

Appendix 'P': Ref. BG Agenda Item No. 68.10

Appendix 'H': Ref. GB Agenda Item No. 54.08

ANNUAL REPORT 2014

**REPORT OF THE BOARD OF GOVERNORS AS TO
THE STATE AND CONDITION OF THE INSTITUTE FOR
THE PERIOD 1ST JANUARY 2014 TO 31ST DECEMBER 2014**



BITS Pilani
Pilani | Dubai | Goa | Hyderabad

ANNUAL REPORT 2014

CONTENTS

PART A: A QUICK GLANCE Annexure of Part A	1 to 26 A-1 to A-128
PART B1: PILANI CAMPUS Annexure of Part B1	B1-1 to B1-140 B1:A-1 to B1:A-102
PART B2: KK BIRLA GOA CAMPUS Annexure of Part B2	B2-1 to B2-84 B2:A-1 to B2:A-24
PART B3: HYDERABAD CAMPUS Annexure of Part B3	B3-1 to B3-63 B3:A-1 to B3:A-41
PART B4: DUBAI CAMPUS Annexure of Part B4	B4-1 to B4-57 B4:A-1 to B4:A-68
PART B5: WORK-INTEGRATED LEARNING PROGRAMMES Annexure of Part B5	B5-1 to B5-16 B5:A-1 to B5:A-133

BITS Pilani

annual report 2014

Part A: A quick glance

CONTENTS

	Page No.
Part A: A quick glance	
GOVERNANCE AND MANAGEMENT	i
A.1 HIGHLIGHTS OF ACHIEVEMENTS DURING THE YEAR 2014	3
A.2 ADMINISTRATIVE APPOINTMENTS	7
A.3 ADMINISTRATIVE BODIES	11
A.4 ADMISSIONS	11
A.5 FLEXIBILITIES: DUAL DEGREE ADMISSIONS AND TRANSFERS	13
A.6 AWARD OF DEGREES AND MEDALS	13
A.7 MoUs	14
A.8 No. OF STUDENTS REGISTERED	14
A.9 COURSES OFFERED	15
A.10 DEGREES OFFERED AT DIFFERENT CAMPUSES	15
A.11 PLACEMENT	17
A.12 FACULTY DATA	17
A.13 PRACTICE SCHOOL STATISTICS	17
A.14 WORK INTEGRATED LEARNING PROGRAMMES (WILP)	19
A.15 BITS ALUMNI AFFAIRS DIVISION (BAAD) ACTIVITIES	21
A.16 FINANCE AND FUND SUPPORT	22
A.17 OBITUARIES	25

GOVERNANCE AND MANAGEMENT



Chancellor
Dr. Kumar Mangalam Birla



Pro-Chancellor
Smt. Shobhana Bhartia



Vice-Chancellor
Prof. B.N. Jain

OTHER SENIOR OFFICERS OF THE INSTITUTE

Prof. G. Raghurama
Director, Pilani Campus

Prof. Sasikumar Punnekkat
Director, K.K. Birla Goa Campus

Prof. V.S. Rao
Director, Hyderabad Campus

Prof. Ranendra N. Saha
Director, Dubai Campus

Prof. G. Sundar
Director, Off-Campus Programmes

Prof. R.K. Mittal
Director, Special Projects

Prof. Ashwin Srinivasan
Deputy Director, K K Birla Goa Campus

Prof. M.M.S. Anand
Registrar

Mr. Manoj Fitkariwala
Chief Financial Officer (on-deputation)

Prof. Sanjay Kumar Verma
Dean, Academic Research (Ph.D. Programme)

Prof. S. Balasubramaniam
Dean, Academic and Resource Planning

Prof. Ajit Pratap Singh
Dean, Admissions

Prof. R. Mahesh
Dean, Faculty Affairs

Prof. Niranjana Swain
Dean, Practice School

Prof. S. Gurunayanan
Dean, Work Integrated Learning Programmes

Prof. Suman Kapur
Dean, International Programmes and Collaboration

A.1 HIGHLIGHTS OF ACHIEVEMENTS DURING THE YEAR 2014

The university made rapid strides during the year 2014 in its march to become one of the top research led technical universities in the country and in Asia. Some of the highlights are:

1. The **Convocation ceremony** at **Pilani** campus was held on 20th July, 2014. Padma Bhushan Mr. S. Ramadorai, Chairman, National Skill Development Agency and Vice Chairman, Tata Consultancy Services, graced the occasion as the Chief Guest. 994 graduating students of first degree, 236 higher degree students and 22 Ph.D. research scholars were awarded degrees on the occasion. On 11th September 2014, the Convocation ceremony was held at BITS Pilani, Dubai Campus. Degrees in engineering were awarded to 343 graduates in the Convocation ceremony. The Chief Guest was Mr. Essa Al Ghurair, Chairman, AlGhurair Resources LLC. The Guest of Honor at the Convocation ceremony was Padma Shri Prof. D Balasubramanian, Director of Research, L.V. Prasad Eye Institute, Hyderabad, India.

The Convocation of the K.K. Birla Goa Campus was held on 3rd August, 2014. Padma Vibhushan Dr. Raghunath Anant Mashelkar was the Chief Guest. 670 students were eligible to receive their degrees, out of which 422 of them received their first degrees, 178 of them their dual degrees under the dual degree scheme, 59 of them their higher degrees and 11 of them their PhD degrees. In Hyderabad campus, the convocation was held on 10th August 2014. The Chief Guest was Padma Bhushan Dr. K. Radha Krishnan, Chairman of Space Commission, Secretary, Department of Space, Government of India and Chairman of ISRO. 683 students received their degree out of which 589 bachelor's degrees, 91 master degrees and three doctorate degrees.
2. Dr. Kiran Bedi, an eminent social activist and a retired Indian Police Service (IPS) officer delivered a talk on "India in Your Hands" on the second day of the annual cultural festival i.e. Oasis observed at Pilani campus during 31st October to 4th November, 2014. She mainly focused on the need to generate social and political awareness among the youth for the betterment of the country.
3. BITS Pilani and its campuses fared very well in all media rankings of engineering colleges during the year 2014. The following are the rankings in the year: **The Higher Education Magazine** has ranked BITS, Pilani at 1st position in 25 Top private universities in India. **The Week**, dated June 1, 2014 has placed BITS Pilani at 7th position in "Top 20 Technical Universities. In **Outlook – June 2014** Handbook ranking of Top Engineering Colleges, BITS Pilani is placed at the 6th position in "Engineering Colleges Composite Ranking" which is based on the past three years: 2011(50%), 2012 (30%) and 2013 (20%).
4. Number of candidates who wrote the BITSAT admission test increased from 139309 in 2013 for 2113 seats to 186181 in 2014 for 2236 seats. The number of girl candidates writing the BITSAT increased from 35356 in 2013 to 47644 in 2014. Simultaneously, the number of BITSAT centers increased from 40 centers in 2013 to 49 centers in 2014.
5. 16 Board toppers of Class XII of 2014 have joined three campuses of BITS Pilani this year.
6. Number of students registered for different programs in the university during 2014 was: 22188 in Second Semester 2013-14 and 22522 in First Semester 2014-15.
7. Total number of courses offered in the university was 704 in Second Semester 2013-14 and 717 in First Semester 2014-15.
8. The university signed MOUs with 10 globally reputed organizations during the year. They are listed in Section A.7 of the Quick Glance Section.
9. The project "Parivartan" to modernize and expand the physical infrastructure in Pilani is in full swing. We have entered Phase-II of the project. In Phase-I, a new academic building (NAB) which has several architectural innovations was inaugurated by Smt. Sarala Birla, Shri B. K. Birla, Industrialist, Dr. Kumar Mangalam Birla, Chancellor, BITS Pilani, Smt. Rajashree Birla, Prof. B.N. Jain, Vice Chancellor, Prof. G. Raghurama, Director and other dignitaries on 28th March, 2014. Five departments are shifted to NAB in August 2014. Classes and labs in NAB have also been started. CV Raman hostel, (with the capacity of 201 single beds) was inaugurated for students. The renovation work in Ram Bhawan Hostel is ongoing. New faculty housing complex work completed, shifting is ongoing. New Basket Ball court, Tennis court & Badminton court were inaugurated. The project, with an outlay of over Rs. 600 Cr., is expected to be completed by 2017-18.
10. To promote innovation and entrepreneurship, a Pilani Innovation & Entrepreneurship Development (PIED) Society was established during 2013-14. The processes for giving admission to startup companies for incubation and providing financial support in terms of seed loan/grant have been streamlined. During the year 2013-14, Rs. 23 Lakhs was disbursed to 3 start-up companies under Technology Incubation and Development of Entrepreneurs scheme (TIDE), Government of India. 6 startup companies were approved for incubation at PIED Society. The "National Entrepreneurship Network (NEN) Premier Award for Northern Zone" was conferred on BITS Pilani for the promotion of Entrepreneurship Development on Campus in the valedictory function of E-Week organised on 8th March, 2014 in Jaipur.

11. Eighty families of 1964-69 batch visited Pilani Campus for a re-union during 23rd - 24th August 2014. Their batch consisted of 320 students, of which 250 have been actively participating in different meets of their Batch which is a regular feature. This has been given a distinction of holding the world record "ALUMNI MEET OF A SINGLE BATCH" which has been published by the Limca Book of Records 2005. After 25 years of graduation, around 200 Alumni from the Batch of 1985-89 visited their Alma Mater during 17th - 19th October 2014 to celebrate their Silver Jubilee Reunion at BITS, Pilani. After 40 years of graduation, around 30 Alumni along with their family members from 1969-74 batch came back to their Alma Mater to celebrate their Ruby Jubilee Reunion.
12. Health Minister Rajya Vardhan Singh Rathore and Krishna Poonia a Gold Medalist in Common Wealth Games visited Pilani campus during BOSM sports festival.
13. During the year 2014, 58 new faculties (32 in Pilani, 6 in Goa 19 in Hyderabad and 1 in Dubai) joined. 72 faculties (39 in Pilani, 18 in Goa, 13 in Hyderabad and 2 in Dubai) left the Institute for several reasons such as planned/forced separation, resignation, expiry of term and retirement. Details are given in 'Annexure A-6'.
14. Campus placement improved during the year. Four campuses put together, number of companies visiting our campuses for recruitment rose from 418 in 2013 to 465 in 2014. And 65 BITS Students' got the job offer with 17.14 lakh average package.
15. Four students of Pilani campus got job offers with salary package of US \$ 235 thousand (INR1.44 Cr) by Google during the year.
16. BITS-Pilani, commenced admissions to international students. The plan to internationalize is an important part of Project Mission 2015 that will help it to become one of the top 25 research-led universities in Asia by 2020. The new scheme will usher in a wave of transnational diversity among BITS community as it admits international students to its undergraduate programmes in Science, Engineering and Economics at the Hyderabad campus starting in academic year 2015-16.
17. BITS Pilani partners with edX a worldwide consortium of Universities, including MIT and Harvard University, enabling online education on a large scale. BITS Pilani will be a contributing member of the edX consortium. It will leverage the platform offered by edX to enhance the learning experience of its own on-campus and off-campus students as well as offer MOOC courses (Massive Open Online Courses) to reach out to students outside BITS. This new initiative will support the objectives of BITS in expanding its technology footprint in education using tools, technology and platform from edX.
18. 24 courses were conducted through Telepresence classrooms, set up through BITS Connect 2.0.
19. NSS, BITS Pilani was honored by Indian Red Cross Society on 20th June, 2014 for the highest collection of blood units among educational institutions of India during 2013-14. The trophy was presented by Dr Harsh Vardhan, Hon'ble Union Health Minister and Chairman, Indian Red Cross Society. Prof Anupam Singhal, NSS Coordinator and Mr. Sasanka Kiretti, NSS President received the trophy.
20. Birla Institute of Technology and Science, Pilani has received the prestigious "**Excellence in ICT integration**" award by Federation of Indian Chamber of Commerce and Industry (FICCI) during the first "FICCI Higher Education Awards 2014" ceremony held on 13th November, 2014 at New Delhi, as a part of the FICCI Higher Education Summit 2014. The award was presented by Mr. Greg Clark, Minister of State for Universities, UK to Prof. B.N. Jain, Vice-Chancellor and Prof. R.K. Mittal, Director, Special Projects, BITS Pilani in the presence of Smt. Smriti ZubinIrani, Hon'ble, Union Minister for HRD and Ms. Niiikki Randhawa Haley, Governor of South Carolina (USA), Mr. Mohandas Pai Chair, FICCI HE Committee.
21. The faculty, students and staff of BITS, Pilani, Hyderabad Campus organized a function on 8th November, 2014 in the newly built Auditorium to commemorate the completion of the first phase of Hyderabad campus project. The Guests of Honor for the function were Dr. Jayesh Ranjan, IAS; Shri Prabhakar Reddy, IAS (Retd); Shri Rajendranath Reddy, IPS; and Shri S. B. L. Mishra, IFS. The people of Hyderabad Campus, who have made dedicated contributions towards First Phase Project completion, were also felicitated in the function.
22. The Master plan, architect and budget for expansion in Hyderabad campus are approved. The submission for Statutory MOEF report is in progress (awaiting formation of MOEF committee for Telangana). The finalization of PMC is in progress and pre-planning for construction has begun. The preparation of tender, drawings, estimates for Phase 1 is expected by April, 2015.
23. In Goa Campus, a summary of total requirement and the finalization of POR (Program of Requirements) are in line with the Growth Plan V3. The POR is finalized with AHC. The Concept and Budget are approved by the Chancellor. The Contour Survey is completed. The finalization of general arrangement for Concept Plans by User Council for Faculty Housing, Student Housing, SAC and New Academic Building is underway.

24. The project "Multi-sustainable roof top Rainwater harvesting: A social Enterprise model" of Prof. Rajiv Gupta, Department of Civil Engineering, BITS Pilani, Pilani campus was selected as one of the top 30 projects on water and sanitation in India by Ministry of Drinking Water and Sanitation in August, 2014 at Delhi in a workshop cum exhibition confuted by MDWS. The same project has been selected one of the top projects on water and uploaded at the site of Ministry of Drinking Water and Sanitation. Site id: http://indiawater.gov.in/misc/MISC_AdvApp.aspx.
25. The Mathematics department, BITS-Pilani, Pilani Campus received DST-FIST grant of Rs.100 Lakhs for a period of 5 years.
26. Dr. Anil Pahwa, Jefferson Science Fellow of US National Academie; a distinguished BITS Alumnus Awarded and Professor of ECE Department of Kansas State University, USA delivered lecture at Dubai campus on 6th September 2014
27. Dr. Stephen Lu, David Packard Chair in Manufacturing Engineering, Professor in the Viterbi School of Engineering at University of Southern California, USA visited and delivered lecture at Dubai Campus on 4th December 2014
28. The Social and Environment Club of BPDC started its activity for the current academic year with DAAN Utsav celebration during 2nd – 8thOctober, 2014. Under the umbrella of the DAAN UTSAV "the joy of giving week" several events were hosted such as Dandiya Night, a fundraiser for The Prime Minister Kashmir Relief Fund, the institute clean up drive, a thanks giving day for the supporting staff, cloth collection drive and a day of interaction with special needs children at BITS Pilani Dubai Campus.
29. The 12th BITS Sports Festival (BSF 2014) celebrated during 23rd - 27th November 2014 at BITS Pilani, Dubai Campus was inaugurated by Director of BITS Pilani Daubai Campus, Prof. Dr. R. N. Saha and Prof. Dr. Suresh Bhargawa from MIT University Australia. Mr. Piyush Chawla (International Cricketer) and Mr. Ranjib Biswal (IPL-Chairman and Honourable Member of Indian Parliament) were the Guest of Honour and the Chief Guest for the Prize distribution ceremony respectively. The Athletics Overall Championship and BSF 2014 Overall Championship trophy were won by BITS Pilani, Dubai Campus.
30. Ms. Janani Ram, a third year ECE student, Dubai Campus won \$35,000 in a competition in June 2014, run by Samsung called Launching People for her high tech idea "My Visual Companion". The concept sees visually impaired people donning a set of custom-made glasses that contain a GPS device and a camera, which will then send audio signals to the wearer to help them see 'obstacles' around them, and whether a walking signal is green or red. She is expected to take her idea to design with the help of funds and technical support from Samsung.
31. Ms. Niharika Pathak, an alumna of 2010-2014 and Miss India Oman, appeared in a beauty pageant making it to the top 10 at the recently held Miss India Worldwide pageant in Abu Dhabi.
32. Ms. Arosha got second place in Women's badminton tournament in the third annual DIAC Sports Cup organized by TECOM Investment's Education Cluster, Dubai. Also, BPDC girls Basket Ball, and Athletics teams turned out to be the runner ups for their respective events.
33. MoU with AMSA RENAL CARE, Dubai was signed on 26thNovember, 2014, Under this MoU, both BITS and AMSA Renal Care have agreed to conduct various activities including but not limited to R&D activities and execution of AMSA sponsored research & consultancy projects at BPDC, projects of BPDC students at AMSA under PS-II/Thesis/ Dissertation, sharing the technical information and conducting training programs.
34. The year witnessed several conferences, seminars and workshops organized in different campuses of BITS. One such event was a "National workshop on LaTeX and MATLAB for Beginners' organized by Department of Mathematics, BITS Pilani, Pilani Campus during 24th - 28th December, 2014. Dr. Trilok Mathur was the Convener and the Co-convener was Dr. Suresh Kumar. The workshop was partially supported by DST-Rajasthan.
35. Prof. Arya Kumar, Department of Economics and Finance, BITS Pilani, Pilani campus was invited to deliver a talk and judge entries in the final round of the Google Start-up Weekend, a global grassroots movement of active and empowered entrepreneurs who are learning the basics of founding start-ups and launching successful ventures. The finals were organized at Prannath Parnami University, Hissar on 29thJune, 2014. The non-profit organization Startup Weekend is headquartered out of Seattle, Washington, and their events have taken place across more than 400 cities in over 100 countries around the world. He also reviewed papers for the Council for Social Development, Southern Regional Center Hyderabad.
36. Prof. Rajiv Gupta, Department of Civil Engineering, BITS Pilani, Pilani campus was nominated as the Editor-in-Chief (EIC) of the journal, "Recent trends of Civil Engineering and Technology."

37. BITS, Pilani, K. K. Birla Goa Campus, in association with Institute of Agricultural and Urban Ecological Projects affiliated to Humboldt University, Berlin, Germany organized a conference on "Decentralized biogas digesters and their slurry management" during 20th– 21th November, 2014.
38. The Physics Department, BITS Pilani, K K Birla Goa Campus, Goa organized the XXIX SERC Main School in Theoretical High Energy Physics (SERCTHEP) this year during 20th December, 2014 – 8th January, 2015. The event was funded by SERB, Department of Science & Technology (DST), Govt. of India, India.
39. The first National Conference on "Advanced Materials for Defense and Aerospace Applications (AMDA)" 2014 was organized at BITS, Pilani, Hyderabad Campus on 22th December, 2014. Prof. C. N. R. Rao was the Chief Guest and the Keynote Speaker. Eminent speakers from Defence Research and Development (DRDO), Defence Metallurgical Research laboratory (DMRL), Advanced Systems Laboratory (ASL), Mishra Dhatu Nigam (Midhani), Research Centre Imarat (RCI) and ARCI also delivered their talks. A panel discussion on Current State of Technology in Material Science in India was also organized during the conference.
40. Prof. M.B. Srinivas, Dean, Administration, BITS Pilani Hyderabad Campus delivered a talk on Current Trends and Future Prospects of Embedded Systems on 14th December 2014.
41. Adarsh Venkat Raman was awarded the only prize in the Mathematics category for his research on "Engineered MagLev Matrix for Sorting Biological Cells" in the Second UAE UG Student Research Competition in April 2014.
42. Ms. S. Rajeshwari received the best participant's award on 10th April 2014, during the MTCD -2014 workshop at BITS Pilani, Pilani Campus, India.
43. Prof. D.K. Maiti, Department of Mathematics, BITS Pilani, Pilani campus visited ICMSEC, Academy of Mathematics and Systems Science, CAS, Beijing under Chinese Academy of Science Visiting Research Fellowship during 20th May - 3rd August, 2014.
44. Akash Hathiramani, Puneet Khirwar, Pranav Mohan, Animesh Bhasin of third year won the first prize in Student Design Competition (OGOPC) in the ASME SPDC DISTRICT J FINALS-2014, hosted By American University Of Beirut, Lebanon on 27th April 2014.
45. Anomitra Banerjee, a 3rd Year Mechanical Engineering student of BITS Pilani, Dubai Campus, entered into the history books of ASME, as the First Indian UAE resident to win the world level competition. He represented the MENA region in the finals of Old Guard Oral Presentation Competition at the International Mechanical Engineering Congress and Exposition 2014 (Montreal, Canada) held on 16th November 2014 and bagged the first position. BITS Pilani has been honored to be the First Indian Institute to win the Global Competition of ASME (American Society Of Mechanical Engineers) since 1956.
46. Prof. P. Yogeeswari is the second Indian to receive IASP 2014 Award for Excellence in Pain Research and Management in Developing Countries under the Basic Science research category.
47. Prof K. Srinivasa Raju Awarded S.N. Gupta Memorial Award for Research Contribution to the field of Water Resources Engineering by Indian Society for Hydraulics
48. Dr. Asima Shaukat, Department of Chemical Engineering received the INSA Inspire Faculty Award from Department of Science and Technology, Govt. of India.
49. Dr. Vince Cable, Member of Parliament, Government of UK along with his officials and delegation visited BITS Pilani, K K Birla Goa Campus on 11th October 2014.
50. Mr. Phanindra Sama, BITS Pilani alumnus and Co-Founder, Red Bus visited for Entrepreneur in Residence program (EIR) on 15th October 2014 at BITS Pilani, K K Birla Goa Campus.
51. Dr. Neelima Thota & Dr. Mylles Elledge visited BITS Pilani, K K Birla Goa Campus for Workshop on Interdisciplinary Research during 15 – 16th November, 2014.
52. BITS, Pilani, Hyderabad campus team won the BEST (Biotechnology Entrepreneurship Student Teams) INDIA 2014 from ABLE (Association of Biotechnology Led Enterprises) an initiative of Department of Biotechnology, Government of India
53. Prof Suresh Bhargava, Deputy Pro Vice Chancellor (Int)-College of Science, Engineering and Health and Director - Centre of Advanced Materials & Industrial Chemistry, School of Applied Sciences, RMIT University, Melbourne, Australia visited the Dubai Campus during 23rd – 24th November 2014. He delivered a talk on "Multidisciplinary Approach to Create Innovation in Science and Engineering".

A.2 ADMINISTRATIVE APPOINTMENTS

The following administrative appointments were made during the year:

- A. Prof. K.E. Raman, Senior Professor has been appointed as Acting Director, BITS, Pilani - K. K. Birla Goa Campus with effect from 14th January 2014.
- B. Prof. G. Sundar, Deputy Director (Off-Campus Programmes) has been appointed as Director (Off-Campus Programmes and Industry Engagement) with effect from 24th March, 2014.
- C. Prof. R.K. Mittal, Director, BITS, Pilani – Dubai Campus has been appointed as Director (Special Project) with effect from 24th March, 2014.
- D. Prof. Ranendra N. Saha, Deputy Director (Research & Educational Development and Administration) has been appointed as Director, BITS, Pilani - Dubai Campus with effect from 24th March, 2014.
- E. The following have been appointed as Deans of the Divisions mentioned against their names with effect from 16th June 2014 for a term of three years:

I. University Wide:

S.No.	Name	Division
Pilani Campus:		
1.	Prof. Shan Balasubramaniam	Academic and Resource Planning
2.	Prof. R. Mahesh	Faculty Affairs
3.	Prof. Niranjana Swain	Practice School
4.	Prof. S. Gurunaryanan	Work Integrated Learning Programmes
K K Birla Goa Campus:		
1.	Prof. Sunil Bhand	Sponsored Research and Consulting

II. Campus Wide:

Pilani Campus		
1.	Prof. S.C. Sivasubramanian	Administration
K K Birla Goa Campus:		
1.	Prof. D. M. Kulkarni	Administration
Hyderabad Campus		
1.	Prof. M.B. Srinivas	Administration
Dubai Campus		
1.	Prof. T.G. Thomas	Admissions
2.	Prof. Roop Kumar	Faculty Affairs
3.	Prof. Muralidharan B.	Practice School
4.	Prof. Priti Bajpai	Student Welfare

F. The following have been appointed as Associate Deans of the Divisions mentioned against their names as per details given below:

Pilani Campus

S.No.	Name	Administrative Function	Period
1.	Prof. Anshuman Dalvi	Faculty Affairs	16-01-2014 to 15-01-2017
2.	Prof. Hemant Ramanlal Jadhav	Academic Research	16-01-2014 to 15-01-2017
3.	Prof. Sanjeev Kumar	Sponsored Research and Consulting	16-01-2014 to 15-01-2017
4.	Prof. Hitesh Datt Mathur	Academic and Resource Planning	16-01-2014 to 15-01-2017
5.	Prof. Dalip Kumar	International Programmes and Collaboration	16-01-2014 to 15-01-2017
6.	Prof. Hari Om Bansal	Admissions	16-01-2014 to 15-01-2017
7.	Prof. P Srinivasan	Practice School	16-01-2014 to 15-01-2017
8.	Mr. K. Venkatasubramanian	Work Integrated Learning Programmes	16-01-2014 to 15-01-2017
9.	Prof. Anil Kumar	Work Integrated Learning Programmes	13-05-2014 to 15-01-2017
10.	Prof. Srikanta Routroy	Instruction	16-01-2014 to 15-01-2017
11.	Prof. Bijay Kumar Rout	Academic Registration and Counselling	16-01-2014 to 15-01-2017
12.	Prof. Kumar Neeraj Sachdev	Student Welfare	11-11-2014 to 15-01-2017

Off Campus

1.	Prof. (Ms) S. Sindhu	Practice School (Bangalore)	16-01-2014 to 15-01-2017
2.	Prof. G. Venkiteswaran	Work Integrated Learning Programmes (Chennai)	16-01-2014 to 15-01-2017

K K Birla Goa Campus

S.No.	Name	Administrative Function	Period
1.	Prof. Dhananjay M Kulkarni	Faculty Affairs	16-01-2014 to 15-01-2017
2.	Dr. Prasanta Kumar Das	Academic Research	16-01-2014 to 15-01-2017
3.	Prof. Sunil Bhand	Sponsored Research & Consulting	16-01-2014 to 15-01-2017
4.	Prof. Ranjan Dey	Academic and Resource Planning	16-01-2014 to 15-01-2017
5.	Prof. M Srikanth	International Programmes & Collaboration	16-01-2014 to 15-01-2017
6.	Prof. Pravin M Singru	Practice School	16-01-2014 to 15-01-2017
7.	Prof. Raghunath A. Ratabole	Work Integrated Learning Programmes	16-01-2014 to 15-01-2017
8.	Prof. Sampatrao Dagu Manjare	Admissions	16-01-2014 to 15-01-2017
9.	Prof. Aditya Prasad Koley	Instruction	16-01-2014 to 15-01-2017
10.	Prof. (Ms) Neena Goveas	Academic Registration and Counselling	16-01-2014 to 15-01-2017
11.	Dr. (Ms) Lucy J. Gudino	Student Welfare	16-01-2014 to 15-01-2017

Hyderabad Campus

S.No.	Name	Administrative Function	Period
1.	Dr. Souri Banerjee	Faculty Affairs	16-01-2014 to 15-01-2017
2.	Prof. (Ms.) Vidya Rajesh	Academic Research	16-01-2014 to 15-01-2017
3.	Prof. (Ms.) P Yogeeswari	Sponsored Research and Consulting	16-01-2014 to 15-01-2017
4.	Dr. P K Thiruvikraman	Academic and Resource Planning	16-01-2014 to 15-01-2017

S.No.	Name	Administrative Function	Period
5.	Dr. P Sankar Ganesh	International Programmes and Collaboration	16-01-2014 to 15-01-2017
6.	Dr. K V G Chandrasekhar	Practice School	16-01-2014 to 15-01-2017
7.	Prof. Srinivasa P. Regalla	Work Integrated Learning Programmes	16-01-2014 to 15-01-2017
8.	Prof.Chittaranjan Hota	Admissions	16-01-2014 to 15-01-2017
9.	Prof. A Vasani	Instruction	16-01-2014 to 15-01-2017
10.	Prof. Morapakala Srinivas	Academic Registration and Counselling	16-01-2014 to 15-01-2017
11.	Dr. Sandip S. Deshmukh	Student Welfare	16-01-2014 to 15-01-2017

Dubai Campus

S.No.	Name	Administrative Function	Period
1.	Dr. Neeru Sood*	Academic Research	16-06-2014 to 15-06-2017
2.	Dr. Anand Kumar	Academic and Resource Planning	16-06-2014 to 15-06-2017
3.	Dr. K Kumar	Instruction	16-06-2014 to 15-06-2017
4.	Dr. A. Somasundaram	Academic Registration and Counselling	16-06-2014 to 15-06-2017

*She will also look after Sponsored Research.

G. The following have been appointed as Chief of the Unit mentioned against his name with effect from 1st September 2014 upto 31st August 2015.

S.No.	Name	Unit
1.	Prof. S.C. Sivasubramanian	Computer Assisted Housekeeping
2.	Prof. M.M.S. Anand	General Administration
3.	Prof. J.P. Misra	Information Processing Centre
4.	Prof. Surekha Bhanot	Instrumentation
5.	Mr. Giridhar M. Kunkur(Officiating)	Publications and Media Relations
6.	Prof. Rahul Banerjee	Software Development & Educational Technology
7.	Prof. N.V. Muralidhar Rao	Centralised Purchases
8.	Prof. Mani Sankar Dasgupta	Placement
9.	Dr. Anshuman	Estate Management

H. The following have been appointed as Head of Department mentioned against their names as per details given below:

Pilani Campus

S.No.	Name	Department	Period
1	Dr. Rajesh Mehrotra	Biological Sciences	01-09-2014 to 31-8- 2016
2	Dr. Suresh Gupta	Chemical Engineering	01-09-2014 to 31-8- 2016
3	Prof. Anil Kumar	Chemistry	01-09-2014 to 31-8- 2016
4	Prof. Manoj Kumar	Civil Engineering	01-09-2014 to 31-8- 2016
5	Prof. Rahul Banerjee	Computer Science and Information Systems	01-09-2014 to 31-8- 2016
6	Dr. Arvind Sudarsan	Economics and Finance	01-09-2014 to 31-8- 2016
7	Prof. Anu Gupta	Elect. & Electro. Engg and Instrumentation	01-09-2014 to 31-8- 2016
8	Prof. Geetha B.	Humanities and Social Sciences	01-09-2014 to 31-8- 2016
9	Prof. Anil Kumar Bhat	Management	01-09-2014 to 31-8- 2016

S.No.	Name	Department	Period
10	Prof. Dilip Kumar Maiti	Mathematics	01-09-2014 to 31-8- 2016
11	Prof. Sai Jagan Mohan	Mechanical Engineering	01-09-2014 to 31-8- 2016
12	Dr. S. Murugesan	Pharmacy	01-09-2014 to 31-8- 2016
13	Prof. Debi Datt Pant	Physics	01-09-2014 to 31-8- 2016

Hyderabad Campus

S.No.	Name	Department	Period
1.	Dr. A. Ramesh Babu	Chemical Engineering	01-09-2014 to 31-08-2016
2.	Dr. Jagadeesh Anmala	Civil Engineering	01-09-2014 to 31-08-2016
3.	Prof. Y Yoganandam	Electrical & Electronics Engineering	01-09-2014 to 31-08-2016
4.	Prof. Y V Daseswara Rao	Mechanical Engineering	01-09-2014 to 31-08-2016
5.	Dr. Shrikant Yashwant Charde	Pharmacy	01-09-2014 to 31-08-2016
6.	Dr. N L Bhanu Murthy	Computer Science & Information Systems	01-09-2014 to 31-08-2016
7.	Prof. Suman Kapur	Biological Sciences	01-09-2014 to 31-08-2016
8.	Dr. Anupam Bhattacharya	Chemistry	01-09-2014 to 31-08-2016
9.	Dr. M.G.Prasuna	Humanities & Social Sciences	01-09-2014 to 31-08-2016
10.	Prof. Ramana Sonti	Economics & Finance	01-09-2014 to 31-08-2016
11.	Dr. Bivudutta Mishra	Mathematics	01-09-2014 to 31-08-2016
12.	Dr. Aravinda N Raghavan	Physics	01-09-2014 to 31-08-2016

Dubai Campus Campus

S.No.	Name	Department	Period
1.	Dr. B Vijay Kumar	Computer Science	01-06-2014 to 31-05-2016
2.	Dr. A.B. Chattopadhyay	Electrical & Electronics Engineering	01-06-2014 to 31-05-2016
3.	Dr. Ram Karthikeyan	Mechanical Engineering	01-06-2014 to 31-05-2016
4.	Dr. Trupti Swarup Gokhale	Biotechnology	01-06-2014 to 31-05-2016
5.	Dr. B.G. Prakash Kumar	Chemical Engineering	01-06-2014 to 31-05-2016
6.	Dr. Srinivasa Rao	Humanities and Social Sciences	01-06-2014 to 31-05-2016
7.	Dr. Maneesha	General Sciences	01-06-2014 to 31-05-2016

- I. The following have been appointed as Faculty-in-charges at Piloni Campus against his name with effect from 1st September 2014 upto 31st August 2015.

S.No.	Name of Faculty-in-charge	Name of Centres/Sections/Entities	Period
1.	Dr. Rajendra Prasad Pareek	Medical Center	01-09-2014 to 31-8-2015
2.	Dr. Abhijit K. Digalwar	Transport Services Section	01-09-2014 to 31-8-2015
3.	Prof. Kuldip Singh Sangwan	Workshop	01-09-2014 to 31-8-2015
4.	Dr. Virendra Singh Nirban	Reprography Section	01-09-2014 to 31-8-2015
5.	Dr. G.S. Chauhan	Publicity and Branding	01-09-2014 to 31-8-2015
6.	Dr. Yashvardhan Sharma	Pay Roll processing (CAHU)	01-09-2014 to 31-8-2015
7.	Dr. (Ms.) Jyoti	Center for Entrepreneurial Leadership	01-09-2014 to 31-8-2015
8.	Dr. Karunesh Kumar Gupta	Projection Systems and IU Services	01-09-2014 to 31-8-2015

S.No.	Name of Faculty-in-charge	Name of Centres/Sections/Entities	Period
9.	Dr. Virendra Singh Shekhawat	Educational Technology Support (SDETU)	01-09-2014 to 31-8-2015
10.	Dr. (Ms.) Poonam Goyal	Infant Care Center	01-09-2014 to 31-8-2015
11.	Prof. (Ms.) Sangeeta Sharma	Societal Development	01-09-2014 to 31-8-2015
12.	Dr. Sarvesh Satija	Institute Functions	01-09-2014 to 31-8-2015
13.	Prof. Hari Om Bansal	Alumni Affairs	11-11-2014 to 31-8-2015

J. Prof. Sai Jagan Mohan is appointed as Chief Warden with effect from 17th December 2014.

K. The following faculty members have been appointed as Resident Warden of the hostels noted against their names as per details given below:

S.No.	Name	Hostel	w.e.f.
1.	Dr. Amit Kumar Verma	Krishna & Gandhi Bhawan	01-07-2014
2.	Dr. Arun Kumar Jalan	Shankar Bhawan	01-07-2014
3.	Dr. Virendra Singh Shekhawat	Srinivasa Ramanujan Bhawan	01-07-2014
4.	Dr. Dipendu Bhunia	Budh Bhawan & Malviya Bhawan – D Block	19-11-2014
5.	Mr. Sachin U Belgamwar	Malviya Bhawan – A,B & C Blocks	19-01-2015

The names and designations of senior officers of different campuses are given in Annexures (Pilani Campus, 'Annexure B1-14'; K.K. Birla Goa Campus, 'Annexure B2-1'; Hyderabad Campus, 'Annexure B3-1' and Dubai Campus, 'Annexure B4-1').

A.3 ADMINISTRATIVE BODIES

General Body

The General Body of the Institute held its 53rd Meeting on 29th March 2014 under the Chairmanship of Dr. Kumar Mangalam Birla, Chancellor of the Institute. Details are given in 'Annexure A-1'.

Board of Governors

The Board of Governors of the Institute held its 67th Meeting on 29th March 2014 under the Chairmanship of Dr. Kumar Mangalam Birla, Chancellor of the Institute. Details are given in 'Annexure A-2'.

Finance Committee

The Finance Committee of the Institute held its 53rd Meeting on 29th March 2014 under the Chairmanship of Dr. Kumar Mangalam Birla, Chancellor of the Institute.

Senate

The Senate of the Institute met four times during the year. It held its 168th, 169th, 170th and 171st meetings on 22nd April, 2014, 17th May, 2014, 15th July, 2014 and 15th November, 2014 respectively.

Examination Committee

The Examination Committee met 9 times during the year for analysis and declaration of grades; approval of Ph.D. Thesis Reports; approval of the award of degrees/medals for the eligible students; deciding cases of scrutiny, unfair means and related matters.

A.4 ADMISSIONS

BITSAT 2014

A total of 186181 candidates, including 47644 girls, from all over the country took the BITSAT 2014 test. The candidates had the option of choosing their own centers, date and time for the test, which was conducted during 14th May – 29th May, 2014.

BITSAT 2014 Highlights are

- Computer-based objective type online test, conducted from 14 May 2014 to 29 May, 2014 in 49 centers across India and in Dubai.
- 186181 candidates appeared in BITSAT-2014 for 2236 Seats.
- Use of Secure High-end Technology.
- Choice of Date, Time and Center for Candidates, and immediate Result on Computer Screen.
- Eligibility criteria for admission to Integrated First degree programmes: A Minimum 75% aggregate marks in Mathematics, Physics & Chemistry with a minimum of 60% in each (in 10+2 stream). In addition, Direct Admission offers were made to Board Toppers irrespective of their BITSAT score. 19 board toppers joined BITS in 2014.

The results of admissions to BITS were made available on Internet. Candidates applying for admission to BITS could find the latest information on the status of their application at <http://www.bitsadmission.com/>. Information on waiting list status, fee payment status etc. was made available and thousands of applicants used this instant access for information.

The number of admissions made to various programmes of the Institute in the year 2014 are given in the table below. The numbers in brackets indicate number of female students. The details such as programme-wise cut-off scores etc. are given in 'Annexure A-3'. A comparison of the cut-off marks/scores for admissions to BITS since 1966 are given in 'Annexure A-4'.

	II Semester 2013-2014	I Semester 2014-2015
1. BITS Pilani – Pilani Campus		
Integrated First Degree Programmes	-	922 (124)
Higher Degree Programmes	-	268 (83)
Doctoral Programmes	54(21)	17 (09)
Total	54(21)	1207(216)
2. BITS Pilani – K.K. Birla Goa Campus		
Integrated First Degree Programmes	-	630(71)
Higher Degree Programmes	-	33(10)
Doctoral Programmes	8(03)	14 (5)
Total	8(03)	677(86)
3. BITS Pilani – Hyderabad Campus		
Integrated First Degree Programmes	-	721(111)
Higher Degree Programmes	-	52(28)
Higher Degree (3 year Integrated Programmes)	-	10(01)
Doctoral Programmes	20(07)	9 (01)
Total	20(07)	792 (141)
4. BITS Pilani – Dubai Campus		
Integrated First Degree Programmes	7 (1)	449 (141)
Higher Degree Programmes	36 (14)	20 (5)
Doctoral Programmes	9 (3)	4 (2)
Total	52 (18)	473 (148)
5. Work-Integrated Learning Programmes		
Integrated First Degree Programmes	373(007)	948(133)
Higher Degree Programmes	2538(872)	2324(505)
Total	2911 (879)	3272 (638)
GRAND TOTAL	3045(2854)	6431(1229)

A.5 FLEXIBILITIES: DUAL DEGREE ADMISSIONS

During the Academic year 2014-2015, 627 students (261 at Pilani, 195 at Goa and 171 at Hyderabad and 2 at Dubai) were permitted to work concurrently for two first degrees under Dual Degree scheme. Details are given in 'Annexure A-5'.

A.6 AWARD OF DEGREES AND MEDALS

(a) Award of Degrees

During the year, a total of 8135 (1870) degrees awarded. The details on the award of degrees are given below. The numbers in brackets indicate number of female students.

	Number of degrees awarded				
	Pilani Campus	Goa Campus	Hyderabad Campus	Dubai Campus	WILP
74 th Award (vide Board of Governors meeting held on 29.03.2014)	78(21)	54(4)	62(9)	48(09)	2444(596)
75 th Award (vide Board of Governors approval on 16.07.2014)	1252(250)	794(187)	785(242)	295(98)	2323(454)
Total	1330(271)	848(191)	847(251)	343(107)	4767(1050)

(b) Award of Medals for Academic Year 2013-2014

BITS Pilani - Pilani Campus

The list of students who were awarded various medals, for the students graduated at the end of First Semester, Second Semester and Summer Term of the academic year 2013-2014 has been given in the following table:

S.No.	ID.No.	Name	Sex	CGPA Obtained	Position Obtained	Type of Medal to be Awarded
Integrated First Degree Programmes (No. of students: 824)						
1.	2010A3TS135P	Anirudha S Bhat	M	9.97	(FIRST)	GOLD
2.	2010A3PS049P	Husain Yasir Mohsin	M	9.94	(SECOND)	SILVER
3.	2010A3PS187P	Agrim Gupta	M	9.94	(SECOND)	SILVER
4.	2010A4PS088P	Pratham Jain	M	9.92	(THIRD)	BRONZE

BITS Pilani - K.K. Birla Goa Campus

S.No.	ID.No.	Name	Sex	CGPA Obtained	Position Obtained	Type of Medal to be Awarded
Integrated First Degree Programmes (No. of students: 602)						
1.	2010A3PS060G	NAMITA PAUL	F	9.89	(FIRST)	GOLD
2.	2010A4TS472G	BAPAT SHOUNAK VINAYAK	M	9.88	(SECOND)	SILVER
3.	2010A7PS334G	RAUL AMEYA RAVINDRA	M	9.69	(THIRD)	BRONZE

BITS Pilani - Hyderabad Campus

S.No.	ID.No.	Name	Sex	CGPA Obtained	Position Obtained	Type of Medal to be Awarded
Integrated First Degree Programmes (No. of students: 582)						
1.	2009B5A3364H	HARSHITHA S K	F	9.96	(FIRST)	GOLD
2.	2010A2PS315H	MAYANK SINGH	M	9.95	(SECOND)	SILVER
3.	2010AAPS017H	MALDE NISHIT KETAN	M	9.82	(THIRD)	BRONZE

BITS Pilani - Dubai Campus

S.No.	ID.No.	Name	Sex	CGPA Obtained	Position Obtained	Type of Medal to be Awarded
Integrated First Degree Programmes (No. of students: 292)						
1.	2010A7PS041U	ARIHANT SOGANI	M	10.00	(FIRST)	GOLD
2.	2010A7PS159U	NAMBIAR SHRUTI SURENDRAKUMAR	F	10.00	(FIRST)	GOLD
3.	2010AAPS106U	JYOTIKA SINGH	F	9.93	(SECOND)	SILVER
4.	2009A1A7053U	ARSHIA FATHIMA	F	9.88	(THIRD)	BRONZE

A.7 MoUs

The Institute has signed the Memoranda of Understanding with the following reputed organizations during 2014.

- | | |
|---|--|
| 1. SKF India Ltd., Mumbai | 6. Pace University, New York, USA |
| 2. Indian Naval Academy (INA), Ezhimala, Dist. Kannur | 7. INFLIBNET Centre, Gandhinagar |
| 3. Infotech Enterprises Limited, Hyderabad | 8. NALSAR University of Law, Hyderabad |
| 4. Cipla Limited, Mumbai | 9. Florida International University, Miami, Florida, USA |
| 5. Goa State Pollution Control Board, Panaji, Goa | 10. IGATE Global Solutions Limited, Bangalore |

A.8 NUMBER OF STUDENTS REGISTERED

	No. of Students Registered					Total
	Pilani Campus	Goa Campus	Hyderabad Campus	Dubai Campus	Work-Integrated Learning Programs	
Second Semester 2013-2014	4439	2784	3099	1515	22188	34025
First Semester 2014-2015	4569	2816	3253	446	22522	33606
Summer Term 2013-2014	839	563	700	1676	-	3778
GRAND TOTAL						71409

The above table includes students registered in First Degree, Higher Degree and Ph.D. Programmes.

During Second Semester 2013-2014, a total of 729 Ph.D. students were on-rolls, while a total of 774 Ph.D. students were on-rolls during First Semester 2014-2015.

Category-wise Distribution of Ph.D. Students

S.No.	CATEGORY	NO. OF Ph.D. STUDENTS ON ROLLS							
		II Sem 2013-2014				I Sem 2014-2015			
		Pilani	Goa	Hyderabad	Dubai	Pilani	Goa	Hyderabad	Dubai
1	Research scholars	249	98	149	16	260	107	176	3
2	Staff	79	31	27	13	72	33	25	13
3	Ph D Aspirants	87	0	0	1	82	0	0	1
TOTAL		416	129	176	30	414	140	201	17
GRAND TOTAL		729				774			

A.9 COURSES OFFERED

Semester/ Summer Term	Pilani Campus	Goa Campus	Hyderabad Campus	Dubai Campus	Work-Integrated Learning Programmes
II Semester 2013-2014	609	381	379	215	704
I Semester 2014-2015	521	334	358	200	717
Summer Term 2013-2014	8	1	11	12	–

A.10 DEGREES OFFERED AT DIFFERENT CAMPUSES

Pilani Campus

A. Integrated First Degree Programmes	B. Higher Degree Programmes
<p>B.E. (Hons.) Chemical Civil Electrical & Electronics Engineering Mechanical Computer Science Electronics & Instrumentation Manufacturing Engineering</p> <p>B.Pharm.(Hons.)</p> <p>M.Sc.(Hons.) Bio. Sciences Chemistry Economics Mathematics Physics</p> <p>M.Sc.(Tech.) General Studies</p>	<p>M.E. Chemical Civil with Specialization in Structural Engineering. Computer Science Mechanical Software Systems Microelectronics Embedded Systems Design Engineering Biotechnology Civil with Specialization in Transportation Engineering. Chemical with Specialization in Petroleum Engineering. Civil with Specialization in Infrastructure Engineering. Manufacturing Systems Engineering. Communication Engineering</p> <p>M.Pharm. M.Pharm. (with Specialization in Pharmaceuticals) M.Pharm. (with Specialization in Pharmaceutical Chemistry) Master of Business Administration (M.B.A.)</p>
C. Ph.D.	

K.K. Birla Goa Campus

A. Integrated First Degree Programmes	B. Higher Degree Programmes
<p>B.E. (Hons.) Chemical Computer Science Electrical & Electronics Engineering. Electronics & Instrumentation Mechanical</p> <p>M.Sc.(Hons.) Biological Sciences Chemistry Economics Mathematics Physics</p>	<p>M.E. Biotechnology Chemical Engineering Design Engineering Embedded Systems Microelectronics Software Systems</p>
<p>C. Ph.D.</p>	

Hyderabad Campus

A. Integrated First Degree Programmes	B. Higher Degree Programmes
<p>B.E. (Hons.) Chemical Civil Computer Science Electrical and Electronics Electronics & Communication Electronics & Instrumentation Mechanical Manufacturing Engineering</p> <p>B. Pharm. (Hons.)</p> <p>M.Sc.(Hons.) Biological Sciences Chemistry Economics Mathematics Physics</p>	<p>M.E. Biotechnology Civil with Specialization in Structural Engineering. Computer Science Computer Science (with specialization in Information Security Design Engineering Embedded Systems Mechanical with Specialization in Thermal Engg.</p> <p>M.Pharm. (with Specialization in Pharmaceutics) M.Pharm. (with Specialization in Pharmaceutical Chemistry)</p>
<p>C. Ph.D.</p>	

Dubai Campus

A. Integrated First Degree Programmes	B. Higher Degree Programmes
<p>B.E. (Hons.) Biotechnology Chemical Computer Science Electrical and Electronics Electronics and Communication Electronics and Instrumentation Mechanical</p>	<p>M.E. Biotechnology Design Engineering Microelectronics Software Systems</p> <p>Master of Business Administration (M.B.A.)</p>
<p>C.Ph. D.</p>	

A.11 PLACEMENT

	Pilani	Goa	Hyderabad	Dubai
Number of companies which conducted campus interviews	156	122	138	49
Number of offers made	823	541	438	95

A.12 FACULTY DATA

As on January 1, 2015, the number of faculty members of each of the campus is given below:

Designation	Pilani		Goa	Hyderabad	Dubai	Total
	On Campus	Off Campus				
Tenured						
Senior Professors	6	-	1	3	1	11
Professors	30	-	7	12	8	57
Associate Professors	37	3	21	15	21	97
Assistant Professors	134	13	81	91	21	340
Non-Tenured						
Professors on Contract	-	-	1	-	-	1
Visiting Professors	-	-	-	2	-	2
Assistant Professors on Contract	4	-	-	-	-	4
Visiting Assistant Professors	-	-	1	-	-	1
Sr. Lecturers	-	-	-	-	6	6
Lecturers	47	16	35	25	3	126
Visiting Faculty	-	7	2	10	-	19
Adjunct Faculty	-	1	-	-	-	1
Instructors	-	2		-	-	2
Total	258	42	149	158	60	667

During the year 2014, 66 new faculties (37 in Pilani, 9 in Goa 19 in Hyderabad and 1 in Dubai) joined. 72 faculties (39 in Pilani, 18 in Goa, 13 in Hyderabad and 2 in Dubai) left the Institute for reasons such as planned/forced separation, resignation, expiry of term and retirement. Details are given in 'Annexure A-6'.

A.13 PRACTICE SCHOOL STATISTICS

Pilani, Goa and Hyderabad Campuses:

An important aspect of education at BITS is its institutionalized linkages with the world of work. The Institute attaches great importance to the University-Industry Linkages and gives mutually reinforcing thrust to it through various avenues like Practice School (PS), Work Integrated Learning Programmes (WILP), Technology Innovation Centre (TIC) and off-campus Ph.D.

All integrated first degree and higher degree programmes of the Institute provide for a Practice School option. The past statistics show that almost all the students admitted, opt for this programme. During the calendar year 2014 the Practice School programme was operated at 477 stations, with 19 stations hosting both Practice School-I (PS-I) and Practice School-II (PS-II), accommodating 4305 students and 148 faculty members. Categorization of PS stations is given below:

S. No.	Categories of Organizations	No. of Organization in	
		PS-II & PS for Higher Degree	PS-I
1.	Banks and other Financial Institutions	24 (20)	3 (3)
2.	Design, Development, Consultancy and Software Organization	176 (203)	30 (26)
3.	National Research Laboratories and other Research centers	33 (36)	26 (26)
4.	Production, Manufacturing and Public Work Units	73 (70)	107 (118)
5.	Publishing Houses, News Agencies and Museums	1 (2)	4 (5)
	Total	307 (331)	170 (178)

In 2014, an integrated practice school allotment for 4305 students was carried out across Pilani, Goa and Hyderabad campuses. The statistical details of the centre-wise distribution of students and faculty at PS-I stations are given in 'Annexure A-7' followed by the details of the Operational Statistics of PS-II and PS for higher degree in Annexure 'A-8'. Growth statistics of PS-I, PS-II and PS for higher degree are given in Annexure 'A-9', while facilities available at various PS-II stations are given in Annexure 'A-10'.

Following is the break up of students who were registered in PS-I, PS-II & PS for Higher Degree:

PS-I	Summer Term 2013-2014	(2081)	2038
PS-II	II Semester 2013-2014	(931)	911
	I Semester 2014-2015	(1125)	1139
PS for Higher Degree			
	II Semester 2013-2014	(216)	217
	I Semester 2014-2015	(02)	00

Total (4355) 4305

Note:- The figures shown in brackets relate to the year 2013.

Dubai Campus

All first degree students have the option of Practice School. PS-II was conducted at 42 stations with 141 students and 42 faculty during February – June 2014 and at 47 stations with 152 students and 45 faculty during August 2014 -January 2015. PS-I was conducted at 99 stations with 369 students and 26 faculties during June - August 2014.

S.No.	Category of Organizations	No. of Organizations	
		PS-II	PS-I
1.	Banks & other financial Institutions.	00 (00)	02 (00)
2.	Design, Development, Consultancy and Software Organization.	21(22)	27(29)
3	Trading	06(08)	07(04)
4	Production, Manufacturing and Maintenance	35 (24)	57(45)
5	Other	01(00)	06(11)
	Total	63(54)	99(89)

With the present annual PS intake of 660 students, the PS programme covers almost entire eligible student population of the Institute. The statistical details of the distribution of students and faculty at PS-I stations are given in 'Annexure B4-15' followed by the details of the Statistics of PS-II given in 'Annexure B4-16'. The Growth statistics of PS-I, PS-II are given in Annexure B4-17, while facilities available at various PS-II stations are given in 'Annexure B4-18'.

Following is the breakup of students who were registered in PS-I, PS-II. (Note: The data pertaining to the calendar year 2013 is given in parentheses)

PS-I	Summer Term 2013-2014	369	(325)
PS-II	II Semester 2013-2014	141	(152)
	I Semester 2014-2015	150	(134)
	Total	660	(611)

A.14 WORK INTEGRATED LEARNING PROGRAMMES (WILP)

Since 1979, the Institute has been participating in the human resource development needs of the industries. The Institute has evolved several degree programmes by integrating the working environment of the employees with the learning environment required by the Institute. These programmes were first started as M.E. (Collaborative) programmes in 1979. Later, from 1988, the Institute ventured into Off-campus Work-Integrated Learning Programmes in Science and Technology areas. These programmes:

- are targeted to meet the needs of continuing education of employed professionals;
- are based on Science & Technology approach and operate disciplines that are non-conventional and Science & Technology oriented;
- are designed for the purposeful acquisition of scientific methods, modern skills and involvement in open-ended experiments;
- judiciously combine the flexibility and ingenuity of the off-campus system with all the regular features of the on-campus system; and
- allow the employed professionals to pursue a meaningful and relevant university degree with minimum dislocation from their work environment.

SALIENT FEATURES

All programmes offered under the Work-Integrated Learning Programmes are characterized by a person - centered approach where the rigour and standard are maintained as in the institute's on-campus programmes. While a number of on-campus programmes are also available under off-campus, the Institute interacts with various organizations like industries, hospitals and national laboratories with a view to design and offer specialized programmes. Many organizations sponsor their employees for various programmes, in order to prepare their human resources to meet the challenges posed by the growth of industries and rapid advancement of technology in India and abroad.

DEGREES OFFERED

Programmes	Collaborating / Sponsoring Organization
B.S. Programmes	
1. Engineering Design	Eaton Technologies, Pune; L&T IES, Vadodara
2. Engineering Technology	Designed for the HRD needs of a diverse spectrum of Engineering Industries
3. Information Systems	Designed for the HRD needs of a diverse spectrum of IT Industries, as well as Wipro Infotech, Mumbai, Wipro Technologies, Bangalore
4. Manufacturing Engineering	Bharath Forge, Pune, TACO, Kirloskar, Pune; Vedanta, Jharsuguda, SKF, Pune
5. Marine Engineering	Tolani Maritime Institute, Induri; RL Institute of Nautical Sciences, Madurai
6. Nautical Technology	Tolani Maritime Institute, Induri; RL Institute of Nautical Sciences, Madurai
7. Optometry	Sankara Nethralaya, Chennai; L V Prasad Eye Institute, Hyderabad; THONEH-NIOS, Malaysia
8. Physician Assistant	Madras Medical Mission, Chennai; Frontier Lifeline, Chennai
9. Power Engineering	ABG, JSW Energy; Tata Power, Mumbai, Essar Power, Hazira

Programmes	Collaborating / Sponsoring Organization
10. Process Engineering	Aditya Birla Group (Cement Business); Hindalco, Renukoot; JSW, Toranagallu; IndoGulf, Jagdishpur, Hindalco, Dahej; DRL Hyderabad; Vedanta Aluminium, Jharsuguda
M.S. Programmes	
1. Automotive Engineering	Tata Technologies, Pune
2. Consultancy Management	Consultancy Development Centre, New Delhi
3. Design Engineering	Eaton Technologies, Pune
4. Embedded Systems	Eaton Technologies, John Deere, Pune; L&T IES, Vadodara; iGatePatni, Mumbai
5. Engineering Management	Technip, Chennai, Mahindra & Mahindra, Nagpur
6. Manufacturing Management	Designed for the HRD needs of a diverse spectrum of Engineering Industries
7. Medical Laboratory Technology	Sankara Nethralaya, Chennai
8. Microelectronics	Wipro Technologies, Cypress, IBM, Qualcomm, Texas, Analog, Bangalore
9. Pharmaceutical Operations & Management	Lupin, Mumbai
10. Project Engineering & Management	DCPL, Kolkata
11. Quality Management	Indian Institute of Quality Management, Jaipur
12. Science Communication	National Council of Science Museums, Kolkata
13. Software Engineering	Wipro Technologies, Wipro Infotech, Yahoo, SAP Labs, EMC. Bangalore; Cognizant, Chennai; Tech Mahindra, Pune and Hyderabad, Qualcomm, Hyderabad; Persistent Systems, Cybage, BMC Software, Pune; iGatePatni, Mumbai; Aricent, Virtusa, Chennai; TCS, Hyderabad
14. Software Systems	Designed for the HRD requirements of a diverse spectrum of IT Industries
15. Systems Engineering	Wipro Infotech, Wipro Technologies, Bangalore
16. Telecommunications & Software Engineering	Tech Mahindra, Avaya, Pune
M.Tech.	
1. Automotive Engineering	Tata Technologies, Pune
2. Manufacturing Management	Designed for the HRD needs of a diverse spectrum of Engineering Industries, as well as Vedanta Aluminium, Jharsuguda and Lanjigarh
3. Pharmaceutical Operations & Management	Cipla, Mumbai
4. Quality Management	Indian Institute of Quality Management, Jaipur
5. Software Systems	Designed for the HRD requirements of a diverse spectrum of IT Industries
M.B.A.	
Consultancy Management	Consultancy Development Centre, New Delhi
Manufacturing Management	Designed for the HRD needs of a diverse spectrum of Engineering Industries
Quality Management	Indian Institute of Quality Management, Jaipur
M.Phil.	
1. Hospital and Health Systems Management	CMC Vellore; Bombay Hospital, Mumbai
2. Optometry	Sankara Nethralaya, Chennai

ADMISSIONS

The number of students admitted in each of the semester is given below.

	Integrated First Degree Programmes	Higher Degree Programmes	Total
Second Semester 2013-2014	373(007)	2538(872)	2911(879)
First Semester 2014-2015	948(133)	2324(505)	3272(638)

The programme-wise details are given in 'Annexure B5-1'.

NUMBER OF STUDENTS REGISTERED

The registration processes for both the semesters was completed on the first day of each semester.

Semester	Number of students registered
Second Semester 2013-2014	22188
First Semester 2014-2015	22522

Details of Registration of students for the First Semester 2014-2015 are given in 'Annexure B5-2'.

COURSES OFFERED

The number of courses, offered during the year 2014 is as follows:

	Number of Courses offered
Second Semester 2013-2014	704
First Semester 2014-2015	717

AWARD OF DEGREES

During the year, a total of 4767 students graduated. The details on the award of degrees are given below.

	Number of degrees awarded
74 th Award (vide Board of Governors meeting held on 29.03.2014)	2444(596)
75 th Award (vide Board of Governors approval on 16.07.2014)	2323(454)
Total:	4767(1050)

Statistical details of these degrees are given in Annexure B5-6.

A.15 ALUMNI AFFAIRS DIVISION (AAD) ACTIVITIES

Alumni Affairs Division (AAD) Activities

Distinguished Alumnus Awards 2014

"BITS Pilani Distinguished Alumnus Award" in 2014 were presented to the following alumni:

- Prof. Anil Pahwa, Kansas State University
- Prof. Gurindar S Sohi, University of Wisconsin-Madison
- Dr. Chandra Shekhar, Director, CEERI, Pilani
- Mr. Pradeep Kashyap, Founder and CEO, MART
- Mr. Raju Reddy, Chairman, BITSAA International

This is in recognition of their significant and outstanding contributions to Professional management of businesses, entrepreneurship or academic teaching and/or research. The awards were presented during the Convocation 2014 at Pilani, on July 20, 2014.

Tennis & Badminton court by Alumni Funds

Two newly built state of the art Tennis & Badminton courts with 8 layered Latex synthetic flooring system, padded umbrella poles with dunking ring facility, electronic score displays, new lighting system and new pavilions were gifted to the Institute by Alumni Funds.

BITSians' Day

The second edition of 'BITSians' Day' was celebrated on 1st of August, 2014.

Alumni Affairs Cell, Pilani campus

During the year, a number of Alumni related events were organized including Silver Jubilee Reunion, Golden Jubilee Reunion, Farewell parties to passing out graduates. More than 200 Alumni of 1985-90 batch with a total number of more than 300 participants including family members participated in a Silver Jubilee Reunion organized between 17th and 19th October 2014. More than 190 Alumni of 1990 batch with a total number of more than 270 participants including family members participated in a Reunion organized between 26th to 28th December, 2014. Eighty families of 1964-69 batch Alumni visited the campus during 23rd to 25th August 2014. 1974-79 batch celebrated their reunion during November 14-17, 2014 with more than 30 alumni along with their family members. Graduating student tea parties were organized on April 30, 2014 and on Nov 28 2014.

An interaction of Distinguished Alumnus Award Winners 2014 with graduating students was organized on Saturday, 19th July 2014. Mrs. Mridula Sankhyan from Goldman Sachs, 1985 batch, conducted a lecture on career counselling in Meera Bhawan for girls.

A series of talks by leading academicians and entrepreneurs were organized in collaboration with CMN (Campus Mentoring Network), BITSAA International for the benefit of students.

Alumni Affairs Cell – BITS Pilani, K. K. Birla Goa Campus

AMA Session: Ask Me Anything (AMA) session is meant to primarily better inform students about the various opportunities available with our international body of alumni association i.e. BITSAA International and how to avail these. The session for this year held on 25th September, 2014 and Parth Goel, Campus Relations Goa Coordinator, BITSAA International and a Fourth year undergraduate was the speaker.

Embryo & On-campus Lectures:

Alumni Affairs Division of BITS Pilani K K Birla Goa Campus has organized 15 Embryo & On-campus in the year 2014 with speakers like, Mr. Karun Philip, Mr. Balasubramanian Muthukumar, Mr. Ravikanth Konteti, Mrs. Anupama TV, etc.

A.16 FINANCE AND FUND SUPPORT

The accounts of the Institute for the financial year 2013-2014 have been audited by M/s. S.R. Batliboi and Co.LLP, Gurgaon, who are the Statutory Auditors of the Institute. M/S Aneja Management Consultants Pvt Ltd, Chartered Accountants, Mumbai are the Internal Auditors.

Finance and Funds during 2013-2014

Investments : As on 31st October 2014, the investment in shares & Units of Mutual Funds (out of Corpus fund) stood at Rs. 1962.77 lakhs. The total fixed deposits with banks stood at Rs. 10061.68 lakhs.

Expenditure : The excess of expenditure over income as per Income & Expenditure Account was Rs.1.50 lakhs.

Pension to Staff : As on 31st October 2014, forty six members of the staff were receiving pension. During the financial year 2013-2014, the Institute spent Rs. 31.67 lakhs on pension.

Gratuity to Staff : Institute has paid Rs. 117.53 lakhs to 27 staff members who left the institute.

Medical Facilities : During the financial year 2013-2014, the Institute spent Rs. 111.22 lakhs net for providing medical facilities to the students and staff of the Institute. The expenditure included contribution to Birla Sarvajani Hospital, Mahadev Singhi Eye Hospital, medical reimbursement and amount spent on visits of dental surgeon.

Financial Assistance to Students: The Institute spent Rs. 410.78 lakhs on scholarships to staff children/spouse/self to cover the fees for education at the Institute and local schools. Further, 978 students received financial assistance of Rs. 518.53 lakhs from different sources, details of which are given below:

S. No.	Particulars	No. of Students	Amount in Rs.
1.	UGC PG Scholarship	0	0
2.	Students Aid Fund	87	780692
3.	Other States Scholarship	15	2026146
4.	Institute Merit Scholarship	98	9208650
5.	Institute Merit-cum-Need Scholarship	778	39837367
Total		978	51852855

A. SAP-DRS

UGC has selected four groups of the Institute under Special Assistance Programme (SAP) at the level of Departmental Research Scheme (DRS)

S. No.	Name of Department	Period	Amount Sanctioned (Rs. in Lakhs)	Amount Released (Rs. in Lakhs)
1.	Pharmacy phase II	5 Years	71.50	63.33
2.	Biological Science	5 Years	31.50	27.02
3.	Chemistry	5 Years	35.00	30.05
4.	Mechanical Engineering	5 Years	38.00	36.64
5.	Mathematics	5 Years	51.50	23.70
6.	Physics	5 years	51.50	46.50
7.	Chemical Engineering	5 Years	48.00	38.67
8.	Civil	5 Years	67.30	54.36
9.	Biological Science Phase II	5 Years	70.75	5.65
10.	Chemistry Phase II	5 Years	70.00	0
Total			535.05	331.57

B. UGC Infrastructure Development Grant

S. No.	Department	Period in Years	Amount Sanctioned (Rs. in Lakhs)	Amount Released (Rs. in Lakhs)
1.	Mathematics	1 Year	20.00	20.00
2.	Physics	1 Year	20.00	20.00
3.	Civil	1 Year	20.00	20.00
Total			60.00	60.00

C. UGC Innovative Program (UGC Master Programme in Public Health)

UGC has granted a project for establishing a Public Health Program under the scheme of UGC Innovative Programmes.

Period	Amount Sanctioned (Rs. in Lakhs)	Amount Released (Rs. in Lakhs)
5 Years	Non Recurring 18.00; Recurring: 11.00 ; Total: 29.00	22.81

D. UGC Funded Centre for Women Studies

UGC has granted a project for establishing a Centre for Women Studies under the scheme of Development of Women's Studies in Indian Universities and Colleges.

Period	Amount Sanctioned (Rs. In Lakhs)	Amount Released (Rs. in Lakhs)
5 Years	Non Recurring 20.00; Recurring: 21.00; Others (3.00 p.a.): 9.00 Total: 50.00	35.08

Financial Details of Department of Science & Technology Grants:**A. DST Funded Technology Business Incubator**

DST has granted a project for establishing Technology Business Incubator at BITS, Pilani.

S. No.	Co-coordinator & Name of Group	Period	Amount Sanctioned (Rs. in Lakhs)	Amount Released (Rs. in Lakhs)
1.	Dr. Arya Kumar and Dr. Anu Gupta	6 Years	Non Recurring: 138.35 Recurring: 53.00 for 5 years Total: 191.35	140.32

B. Grants under DST- FIST:

S. No.	Department	Period	Amount Sanctioned (Rs. in Lakhs) (50:50 Basis)	Amount Released (Rs. in Lakhs)
1	Physics	5	58.00	18.50
2.	Chemical Engineering	5	80.50	33.75
3.	Civil Engineering	5	80.00	32.00
4.	Pharmacy	5	135.00	62.50
5.	Chemistry	5	87.00	35.5
6.	Computer Science	5	53.00	24.00
7.	Mathematics	5	100.00	37.50
8.	EEE & I	5	138.00	36.50
9.	Mechanical Engineering	5	163.00	68.00
10	Biological Science	5	55.00	25.25
Total			944.50	373.5

Financial Details of Department of Electronics and Information Technology:**TIDE Scheme**

S. No.	Co-coordinator & Name of Group	Period	Amount Sanctioned (Rs. in Lakhs)	Amount Released (Rs. in Lakhs)
1.	Dr. Arya Kumar and Dr. Anu Gupta	3 Years	155.00	136.20

BITS Pilani, Dubai Campus

Financial Assistance to Students

746 students received financial assistance of AED 4,223,975/- under different categories for the Academic Year 2013-14, the details of which are given below:

S. No	Particulars	Students Nos.	Amount in AED
1	Institute Merit Scholarship	554	3,273,875
2	Higher Degree and Doctoral Scholarship	62	608,100
3	Need-based Scholarship (Physically challenged, Bereaved family discount)	1	5,250
4	Others (Staff, Siblings, Sports, Special Concessions)	41	336,750
Total		658	4,223,975

A.17 OBITUARIES

The Institute deeply mourns the sad demise of the following during the year:

1. Shri Mool Singh, PSRN 3251, Helping Staff at Pilani Campus died on 8th January 2014 due to kidney failure.
2. Prof. Sanjeev Kumar Aggarwal, GPSRN 570, Director at K. K. Birla Goa Campus died on 11th January 2014 due to cardiac arrest.
3. Mr. Chitrarth Dagar, ID. No. 2011A4PS245P, a student of Pilani Campus died on 1st March 2014.
4. Shri Nathmal Sharma, PSRN 2943, Helping Staff at Pilani Campus died on 24th March 2014 due to cardiac arrest.
5. Shri S. Vijay Kumar, HPSRN 0164, Senior Technician at Hyderabad Campus died on 6th May 2014.
6. Mr. Nelluri Ravi Teja, ID No. 2013A7PS147P, a student of Pilani Campus died on 22nd October 2014 at Manali due to accident.
7. Dr. Champak Baran Das, PSRN 2243, Assistant Professor and Chief Warden at Pilani Campus died on 9th December 2014 due to cardiac arrest at Delhi.
8. Ms. P. Naga Vineela, ID. No. 2011B1A4693G, a student of K.K. Birla Goa Campus died on 21st December 2014.
9. Shri Vijay Prakash Rawat, PSRN 2063, Hostel Superintendent at Pilani Campus died on 29th December 2014 after brief illness at Ajmer.

Note: The complete annual report (Part A and Part B) along with the annexures is given in separate CD.

CONTENTS

Annexure of Part A: A quick glance	Page No.
A1. MINUTES OF THE GENERAL BODY MEETING	A-1-2
A2. MINUTES OF THE BOARD OF GOVERNORS MEETING	A-3-5
A3. DETAILS OF ADMISSIONS MADE DURING THE YEAR 2014	A-6-12
A4. ADMISSIONS: QUALITY OF STUDENTS' INPUT	A-13-15
A5. STATEMENT SHOWING THE NUMBER OF CANDIDATES WHO HAVE BEEN PERMITTED IN THE ACADEMIC YEAR 2013-2014 TO PURSUE VARIOUS DUAL DEGREE PROGRAMMES UNDER VARIOUS PRIORITIES	A-16-18
A6. FACULTY DATA	A-19-22
A7. DETAILS OF DISTRIBUTION OF PS-I STUDENTS AND FACULTY OVER PRACTICE SCHOOL - I STATIONS DURING THE SUMMER 2014	A-23-26
A8. SOME PRACTICE SCHOOL - II STATISTICS	A-27-34
A9. PRACTICE SCHOOL GROWTH STATISTICS	A-35-38
A10. FACILITIES AVAILABLE AT PS-II STATIONS DURING THE YEAR 2014	A-39-47
A11. LIST OF PRACTICE SCHOOL PROJECT ASSIGNMENTS FOR SECOND SEMESTER 2013-2014	A-48-92
A12. BITS PRACTICE SCHOOL STATIONS 2013-2014	A93
A13. BITS PILANI ALUMNI ADVISORY COUNCIL	A-94-96
A14. RESEARCH PROJECT GRANTS	A-97-114
A15. MEMBERS OF VARIOUS BODIES AND COMMITTEES OF THE INSTITUTE	A-115-116
A16. MEMBERS OF THE SENATE	A-117-119
A17. MEMBERS OF THE SENATE APPOINTED BODIES	A-120-123
A18. MEMBERSHIP	A-124
A19. STATISTICS OF Ph.D. QUALIFYING EXAMINATION	A-125-128

GENERAL BODY

The 53rd meeting of General Body of the Institute held on March 29, 2014 under Chairmanship of Dr. Kumar Mangalam Birla, Chancellor of the Institute.

Before taking up the Agenda, the General Body paid homage to its late member Dr. Neelkanth A. Kalyani and acknowledged the excellent services rendered by him in the welfare of the Institute as well as deliberations in the meetings. The General Body also paid homage to late Prof. Sanjeev Kumar Aggarwal, Director, BITS, Pilani - K.K. Birla Goa Campus and appreciated his contribution in the growth and development of the Institute.

The Chancellor heartily welcomed the members and thanked them for attending the meeting and apprised the members that number of applicants registering for our BITSAT entrance test continues to grow. It increased from 166,000 in 2013 to 186,000 in 2014 and the number of cities where the test is conducted also increased from 40 to 45 in 2014. The trend is encouraging and an indicator that BITS remains an aspirational Institute of choice. Students admitted to our First Degree Bachelor's Programme increased marginally from 2,095 to 2150 due to lack of hostel rooms. Whereas intake in Higher Degree (Master's Programme) and Ph.D. Programmes increased sharply from 467 to 609.

The Chancellor also apprised the members that Student Placement Office has been strengthened during the year. The number of visits of companies to the 3 Indian Campuses has increased from 166 to 239 (a 44% increase). A number of new and reputed companies, outside the IT sector, have also come to the campuses such as Michelin, United Technologies, Dow Chemicals, Linde, Fiat, Bosch. Other Technology companies which came are Flipkart, eBay, LinkedIn, and Microsoft USA. In the current placement cycle, 85% of our Bachelor's students have been placed, compared to 76% in the previous year.

The Chancellor informed the members that our Work Integrated Learning Programme (WILP) continues to be a very important and integral part of BITS. Over 21,700 working professionals are enrolled in these programmes. The focus as regards WILP is to address companies' and individuals' need for technical programmes that reskill, enhance employability, and enable employee retention.

He also informed the members that the taking over of the assets of BITS Dubai Campus was completed last February.

The Chancellor apprised that Institute's efforts to hire high quality faculty continues. The focus is on entry-level positions (Assistant Professors) and on those who have earned their PhDs from reputed Universities in India and overseas. Selection process strengthened with the inclusion of senior academics from other reputed Indian Universities and Institutes. 138 new faculty have been added in the past 2 years.

The Chancellor informed that BITS's focus on Research and Entrepreneurship is yielding results. Sponsored Research Grant approvals are expected to cross Rs 24 Cr. Additionally, Rs 5 Cr was received from Gol/DST for setting up a Technology Business Incubator at Hyderabad. A lesser amount has been received for setting up a similar TBI at Pilani / Goa.

The Chancellor told the members that the New Academic Building (NAB) at the Pilani Campus was inaugurated. A new faculty-housing complex is expected to be completed by July 2014 and 3 student hostel buildings to house 200 students will also be ready by August 2014. Renovation of the existing student hostels at Pilani has commenced with the Ram Bhawan and renovation of the main academic building will follow.

The Chancellor informed the members that the engagement with alumni continues to strengthen, with alumni participating in many ways. The Second Alumni Global Meet was held at the Hyderabad Campus in January 2014 and was attended by nearly 2,500. The next meet will be held in December 2016 at Dubai. He also informed that 2014 marks the 50th Anniversary of BITS having become a Deemed University. A number of events to commemorate this important milestone are planned.

The Chancellor mentioned that the income for 2013-14 reported 32.7% growth at Rs 338.34 Cr compared to last year at Rs 255.02 Cr. On campus income at Rs 214.65 Crs has increased by 42.9% over last year. Off Campus fees at Rs 123.69 Crs has increased 18.1% over last year. Off-campus fee constitutes 36.6% of total fees.

He told that expenses grew by 20.5 % over last year but were 10.3% lower than the budget. Employee's cost increased by 14.4% over last year. However this was 3.2% lower than budget. Scholarship cost increased by 26.1% over last year and was lower than budget by 16.3%.

As a consequence, Earnings before Interest, Depreciation and Tax (EBIDTA) are estimated to be at a healthy Rs 135.19 Cr (40.0% of Income), exceeding budget of Rs 114.6 Cr (33.6% of income). EBITDA from On-campus Income is estimated at Rs 40.41 Cr. Whereas EBITDA from off campus is estimated at Rs 94.78 Cr.

Net Earnings are estimated at Rs 105.9 Cr. compared to Rs. 32.9 Cr of last year - budget Rs 91.9 Cr. Capital Expenditure during the year is estimated to be Rs. 137.4 Cr., mainly on account of Project Parivartan at Pilani and Hyderabad campus project. Cash and Cash equivalents as at March 31, 2014 is estimated at Rs. 149 Cr. Total Debt as on 31st March 2014 is estimated to be at Rs 45 Crores. No fresh borrowing during 2013-2014 although an additional Rs 150 Crores was budgeted. During the year FY13, Dubai Campus infrastructure was acquired. Total cost for this acquisition was Rs 197 Cr. Integration of the same is on track.

The Chancellor informed the members that total income is budgeted at Rs 389.80 Cr, which is 15.2% increase over last year. On-Campus enrolment expected to increase by 2.4% (at 10,362), Off-campus enrolment to decrease by 3.7% (at 20,934) mainly due to decrease in intake from one of the major customers. On Campus fee at Rs 256.25 Cr, an increase of 19.4% over last year. Off Campus fee at Rs 133.55 Cr, an increase of 8.0% over last year

An increase in employee cost at 20.6% has been budgeted at Rs 124.20 Cr. Faculty increase is planned by inducting 31 new faculty numbers in line with targeted faculty/student ratios. Expenses of Rs 10.25 Cr on strengthening of our WILP programme. Expenses are budgeted to increase by overall 27.3%. EBIDTA is budgeted at Rs. 131.25 Cr. Marginal drop of 2.9% as compared to previous year. Total EBITDA from WILP is budgeted at Rs 99.35 Cr. Net income is budgeted to grow to Rs. 111.11 Crores compared to Rs. 105.90 Cr.

Capex commitments are budgeted at Rs. 182.89 Cr during FY15. A significant share of this on the Project Parivartan and other routine capex at Pilani (Rs.122.26 Cr), Capex at Goa (Rs.24.61 Crores) and Hyderabad Campuses (Rs. 20.56 Crs). Cash generation and Borrowings – To fund our capex during FY 15 in all the campuses, our operations would generate sufficient cash and there would not be requirement for any additional borrowing. Loan repayment due in 2014-15 is Rs 36 Cr and that would be funded through our internal accruals. Debt at the end of year is estimated at Rs. 9 Cr. The cash position at the end of the year, after meeting capex and debt repayment commitments, will be at healthy 87.43 Crores.

The members unanimously appreciated the same.

Prof. Bijendra Nath Jain, Vice Chancellor of the Institute also apprised members on some of the other initiatives being taken by the Institute.

1. He told that going forward, Institute has decided to explore technology-enabled online delivery of courses to enhance quality of on & off-campus courses and to offer new short term courses to industry professionals (under WILP). We have begun pilot courses using available platforms and will make investments to partner with edX & create course content. He also informed that a “Centre of Excellence in Water, Waste & Energy Management” and have funded 5 projects from BITS has been established.
2. He informed that two faculty members underwent industry immersion in summer 2013, fifteen are expected to do so in summer 2014. Four faculty members went on “Exposure to Universities Abroad” in summer 2013, nine are cleared to do so in summer 2014.

The General Body recorded and approved the registration of 'BITS Pilani Hyderabad Campus TBI Society' under the Andhra Pradesh Societies Registration Act, 2001, on behalf of Birla Institute of Technology & Science (BITS), Pilani at Hyderabad with Founder Members and Board of Governors and 'Pilani Innovation and Entrepreneurship Development Society' under the Rajasthan Societies Registration Act, 1958, on behalf of Birla Institute of Technology & Science (BITS), Pilani at Jhunjhunu with Founder Members. That on behalf of BITS, the Founder Members of these societies shall continue in the office as per the rules and regulations framed by the societies and ratified by BITS. The Founder members shall form the General Body of the Society.

The General Body received and recorded the report on the Research Activities of the Institute and collaboration with various Institutions/organizations both within India and abroad.

The General Body adopted the Report of the Board of Governors as to the state and condition of the Institute for the period from 1st January 2013 to 31st December 2013. While adopting the report, the members of the General Body expressed their happiness and satisfaction over the functioning of the Institute. The General Body also adopted the Balance Sheet and Income & Expenditure Account for the year ended on 31st March 2013 and approved the Budget Estimates of the Institute for the financial year 2014-2015 as recommended by the Finance Committee and Board of Governors.

The General Body also noted that an additional amount of Rs 779 lacs is approved to be spent over a period of three years, viz. FY15, FY16 and FY17, to create content for 21 new courses over 3 years, and to offer 39 courses (both new and repeats) within the first 3 years to our on-campus and off-campus students, using Massive Open Online Courses (MOOCs) pedagogy/technology. Out of above, in FY 2015, Rs 154 lacs is additionally approved to be spent by the 3 Indian campuses and Rs 38 lacs for Dubai Campus.

BOARD OF GOVERNORS

The Board of Governors of the institute held its 67th Meeting on March 29, 2014 under Chairmanship of Dr. Kumar Mangalam Birla, Chancellor of the Institute.

Before taking up the Agenda, the Board of Governors paid homage to late Prof. Sanjeev Kumar Aggarwal, Director, BITS, Pilani - K.K. Birla Goa Campus and appreciated his contribution in the growth and development of the Institute.

The Chancellor heartily welcomed the members and thanked them for attending the meeting and apprised the members that number of applicants registering for our BITSAT entrance test continues to grow. It increased from 166,000 in 2013 to 186,000 in 2014 and the number of cities where the test is conducted also increased from 40 to 45 in 2014. The trend is encouraging and an indicator that BITS remains an aspirational Institute of choice. Students admitted to our First Degree Bachelor's Programme increased marginally from 2,095 to 2150 due to lack of hostel rooms. Whereas intake in Higher Degree (Master's Programme) and Ph.D. Programmes increased sharply from 467 to 609.

The Chancellor also apprised the members that Student Placement Office has been strengthened during the year. The number of visits of companies to the 3 Indian Campuses has increased from 166 to 239 (a 44% increase). A number of new and reputed companies, outside the IT sector, have also come to the campuses such as Michelin, United Technologies, Dow Chemicals, Linde, Fiat, Bosch. Other Technology companies which came are Flipkart, eBay, LinkedIn, and Microsoft USA. In the current placement cycle, 85% of our Bachelor's students have been placed, compared to 76% in the previous year.

The Chancellor informed the members that our Work Integrated Learning Programme (WILP) continues to be a very important and integral part of BITS. Over 21,700 working professionals are enrolled in these programmes. The focus as regards WILP is to address companies' and individuals' need for technical programmes that reskill, enhance employability, and enable employee retention.

He also informed the members that the taking over of the assets of BITS Dubai Campus was completed last February.

The Chancellor apprised that Institute's efforts to hire high quality faculty continues. The focus is on entry-level positions (Assistant Professors) and on those who have earned their PhDs from reputed Universities in India and overseas. Selection process strengthened with the inclusion of senior academics from other reputed Indian Universities and Institutes. 138 new faculty have been added in the past 2 years.

The Chancellor informed that BITS's focus on Research and Entrepreneurship is yielding results. Sponsored Research Grant approvals are expected to cross Rs 24 Cr. Additionally, Rs 5 Cr was received from Gol/DST for setting up a Technology Business Incubator at Hyderabad. A lesser amount has been received for setting up a similar TBI at Pilani / Goa.

The Chancellor told the members that the New Academic Building (NAB) at the Pilani Campus was inaugurated. A new faculty-housing complex is expected to be completed by July 2014 and 3 student hostel buildings to house 200 students will also be ready by August 2014. Renovation of the existing student hostels at Pilani has commenced with the Ram Bhawan and renovation of the main academic building will follow.

The Chancellor informed the members that the engagement with alumni continues to strengthen, with alumni participating in many ways. The Second Alumni Global Meet was held at the Hyderabad Campus in January 2014 and was attended by nearly 2,500. The next meet will be held in December 2016 at Dubai. He also informed that 2014 marks the 50th Anniversary of BITS having become a Deemed University. A number of events to commemorate this important milestone are planned.

The Chancellor mentioned that the income for 2013-14 reported 32.7% growth at Rs 338.34 Cr compared to last year at Rs 255.02 Cr. On campus income at Rs 214.65 Crs has increased by 42.9% over last year. Off Campus fees at Rs 123.69 Crs has increased 18.1% over last year. Off-campus fee constitutes 36.6% of total fees.

He told that expenses grew by 20.5 % over last year but were 10.3% lower than the budget. Employee's cost increased by 14.4% over last year. However this was 3.2% lower than budget. Scholarship cost increased by 26.1% over last year and was lower than budget by 16.3%.

As a consequence, Earnings before Interest, Depreciation and Tax (EBIDTA) are estimated to be at a healthy Rs 135.19 Cr (40.0% of Income), exceeding budget of Rs 114.6 Cr (33.6% of income). EBITDA from On-campus Income is estimated at Rs 40.41 Cr. Whereas EBITDA from off campus is estimated at Rs 94.78 Cr.

Net Earnings are estimated at Rs 105.9 Cr. compared to Rs. 32.9 Cr of last year -- budget Rs 91.9 Cr. Capital Expenditure during the year is estimated to be Rs. 137.4 Cr., mainly on account of Project Parivartan at Pilani

and Hyderabad campus project. Cash and Cash equivalents as at March 31, 2014 is estimated at Rs. 149 Cr. Total Debt as on 31st March 2014 is estimated to be at Rs 45 Crores. No fresh borrowing during 2013-2014 although an additional Rs 150 Crores was budgeted. During the year FY13, Dubai Campus infrastructure was acquired. Total cost for this acquisition was Rs 197 Cr. Integration of the same is on track.

The Chancellor informed the members that total income is budgeted at Rs 389.80 Cr, which is 15.2% increase over last year. On-Campus enrolment expected to increase by 2.4% (at 10,362), Off-campus enrolment to decrease by 3.7% (at 20,934) mainly due to decrease in intake from one of the major customers. On Campus fee at Rs 256.25 Cr, an increase of 19.4% over last year. Off Campus fee at Rs 133.55 Cr, an increase of 8.0% over last year

An increase in employee cost at 20.6% has been budgeted at Rs 124.20 Cr. Faculty increase is planned by inducting 31 new faculty numbers in line with targeted faculty/student ratios. Expenses of Rs 10.25 Cr on strengthening of our WILP programme. Expenses are budgeted to increase by overall 27.3%. EBIDTA is budgeted at Rs. 131.25 Cr. Marginal drop of 2.9% as compared to previous year. Total EBITDA from WILP is budgeted at Rs 99.35 Cr. Net income is budgeted to grow to Rs. 111.11 Crores compared to Rs. 105.90 Cr.

Capex commitments are budgeted at Rs. 182.89 Cr during FY15. A significant share of this on the Project Parivartan and other routine capex at Pilani (Rs.122.26 Cr), Capex at Goa (Rs.24.61 Crores) and Hyderabad Campuses (Rs. 20.56 Crs). Cash generation and Borrowings – To fund our capex during FY 15 in all the campuses, our operations would generate sufficient cash and there would not be requirement for any additional borrowing. Loan repayment due in 2014-15 is Rs 36 Cr and that would be funded through our internal accruals. Debt at the end of year is estimated at Rs. 9 Cr. The cash position at the end of the year, after meeting capex and debt repayment commitments, will be at healthy 87.43 Crores.

The members unanimously appreciated the same.

Later, Prof. Bijendra Nath Jain, Vice Chancellor of the Institute also apprised members on some of the other initiatives being taken by the Institute.

1. He told that going forward, Institute has decided to explore technology-enabled online delivery of courses to enhance quality of on & off-campus courses and to offer new short term courses to industry professionals (under WILP). We have begun pilot courses using available platforms and will make investments to partner with edX & create course content. He also informed that a “Centre of Excellence in Water, Waste & Energy Management” and have funded 5 projects from BITS has been established.
2. He informed that two faculty members underwent industry immersion in summer 2013, fifteen are expected to do so in summer 2014. Four faculty members went on “Exposure to Universities Abroad” in summer 2013, nine are cleared to do so in summer 2014.

The Board of Governors noted the actions of the Chancellor approving the following:

- (a) Recommendations of the Review Committee for lower cadre non-teaching staff members of Pilani campus.
- (b) Proposal to recruit full time off-campus faculty to meet teaching requirements in Work Integrated Learning Programmes.
- (c) Appointment of M/s Aneja Associates, Mumbai as Internal Auditor for Financial Year 2013-2014 for Pilani, Dubai, Goa and Hyderabad Campuses in place of existing internal auditors with effect from 1st October 2013.
- (d) Resolution for authorized signatories in the existing bank accounts of K.K. Birla Goa Campus consequent upon the retirement of Prof. B.J.C. Babu from K.K. Birla Goa Campus and also appointment of Prof. Sanjeev Kumar Aggarwal as Director, K.K. Birla Goa Campus.
- (e) Resolution for authorized persons to act as representative to attend and vote for and on behalf of BITS Society at the 1st Annual General Meeting of Birla Institute of Technology & Science Company, Kolkata.
- (f) Resolution for availing 'Corporate Internet Banking Service' facilities on the existing bank accounts of the Institute.
- (g) Expenditure of Rs. 651 Crores for renovation, expansion and purchase of lab equipment under 'Project Parivartan' at Pilani Campus.
- (h) Expenditure of Rs. 2.08 Crores for completing the interiors of cellar under the Library building in Hyderabad Campus, against a budgeted provision for Rs. 1.98 Crores in the budget for the financial year 2013-14 under 'Interior Works in Library Cellar' to cover interiors.
- (i) Additional expenditure of Rs. 30 Crores for completing the construction of Auditorium Complex at Hyderabad Campus. Total estimated cost of construction is Rs. 60 Crores.
- (j) Expenditure of Rs. 17.56 Crores for construction work of a regular hostel and a temporary pre-fabricated hostel at K.K. Birla Goa Campus.

- (k) Expenditure of Rs. 2.25 Crores to M/s McKinsey & Company to help BITS develop a strategy to grow Work Integrated Learning Programmes of the Institute.

The Board recorded and approved the registration of 'BITS Pilani Hyderabad Campus TBI Society' under the Andhra Pradesh Societies Registration Act, 2001, on behalf of Birla Institute of Technology & Science (BITS), Pilani at Hyderabad with Founder Members and Board of Governors and 'Pilani Innovation and Entrepreneurship Development Society' under the Rajasthan Societies Registration Act, 1958, on behalf of Birla Institute of Technology & Science (BITS), Pilani at Jhunjhunu with Founder Members. That on behalf of BITS, the Founder Members of these societies shall continue in the office as per the rules and regulations framed by the societies and ratified by BITS. The Founder members shall form the General Body of the Society.

The Board received and recorded the reports on Research Activities of the Institute and collaboration with various Institutions/organisations both within India and abroad.

The Board adopted the Report of the Board of Governors as to the state and condition of the Institute for the period from 1st January 2013 to 31st December 2013 and resolved to recommend the same to the General Body for adoption. While adopting the report the members expressed their happiness and satisfaction over the functioning of the Institute. The Board of Governors also approved the Balance Sheet and Income & Expenditure Account for the year ended on 31st March 2013 and recommended the same to the General Body for adoption.

The Board also recommended to the General Body the Budget Estimates of the Institute for the financial year 2014-2015 for its approval. The Board also noted that an additional amount of Rs 779 lacs is approved to be spent over a period of three years, viz. FY15, FY16 and FY17, to create content for 21 new courses over 3 years, and to offer 39 courses (both new and repeats) within the first 3 years to our on-campus and off-campus students, using *Massive Open Online Courses* (MOOCs) pedagogy/technology. Out of above, in FY 2015, Rs 154 lacs is additionally approved to be spent by the 3 Indian campuses and Rs 38 lacs for Dubai Campus.

The Board, through its Circulatory Resolution dated 19th July, 2013 approved the conferment of 4914 degrees (73rd Award) on the students who have graduated since last meeting of the Board and also approved 2686 Degrees (74th Award) on the students who have graduated since the Circulatory Resolution of 19th July, 2013 and 12 medals to eligible students for the academic year 2012-13 who graduated since 66th Meeting of the Board of Governors.

The Board noted the decision of the 52nd Meeting of General Body of the Institute held on 20th March, 2013 regarding the re-election of Dr. Kumar Mangalam Birla as Chancellor and Smt. Shobhana Bhartia as Pro-Chancellor of the Institute for another term of five years with effect from 14th September 2013. The members welcomed the re-election of Dr. Kumar Mangalam Birla and Smt. Shobhana Bhartia as the Chancellor and Pro-Chancellor of the Institute and assured them its whole-hearted cooperation and support.

The Board nominated Prof. G. Raghurama as a member of the Board of Governors under the constituency "One Director by rotation from out of the Directors of Campuses of the Institute" for a term of 3 years with effect from 12th April 2014.

DETAILS OF ADMISSIONS MADE DURING THE YEAR 2014

(A) On-Campus Programmes:

Second Semester 2013-2014

BITS Pilani, Dubai Campus

PROGRAMMES	No. of students joined
1. Integrated First Degree Programmes:	
B.E. (Hons.)	
Biotechnology	00 (00)
Chemical Engineering	01 (00)
Electrical and Electronics Engineering	00 (00)
Mechanical Engineering	01 (00)
Electronics and Instrumentation Engineering	00 (00)
Computer Science	05 (01)
Electronics and Communication Engineering	00 (00)
Total	7 (01)
2. Higher Degree Programmes:	
M.E.	
Microelectronics	08 (04)
Design Engineering	09 (00)
Software Systems	08 (05)
Biotechnology	00 (00)
M.B.A	11 (05)
Total	36 (14)
Grand Total	43 (15)
3. Doctoral Programmes (Ph.D.):	
BITS Pilani, Pilani Campus	54 (21)
BITS Pilani, K.K. Birla Goa Campus	8 (03)
BITS Pilani, Hyderabad Campus	20 (07)
BITS Pilani, Dubai Campus	9 (3)
Total	91 (34)

First Semester 2014-2015

PROGRAMMES	No. of students joined	BITSAT Cut-off scores	
		Highest	Lowest
1. Integrated First Degree Programmes			
(a) Pilani Campus			
<u>Group A</u>			
B.E.(Hons.)			
Chemical	71(10)	362	326
Civil	67(03)	360	322
Computer Science	124(14)	430	375
EEE	106(07)	397	359
Electronics & Instrumentation	62(08)	367	346
Mechanical	84 (02)	392	351
Manufacturing	41(01)	346	311
B. Pharm. (Hons.)	46(22)	311	160
	601(67)		
<u>Group B</u>			
M.Sc.(Hons.)			
Biological Sciences	59(13)	317	300
Chemistry	56(14)	338	310
Economics	67(10)	362	323
Mathematics	61(07)	351	321
Physics	65(09)	346	316
	308(53)		
<u>Group C</u>			
M.Sc.(Tech.)			
Gen. Studies	13(04)		
	13(04)		
Total :	922(124)		
(b) K.K. Birla Goa Campus:			
<u>Group A</u>			
B.E.(Hons.)			
Chemical	45(08)	322	295
Computer Science	91(10)	374	339
Electrical & Electronics	82(10)	350	315
Electronics & Instrumentation	64(09)	332	305
Mechanical	81(02)	344	312

PROGRAMMES	No. of students joined	BITSAT Cut-off scores	
		Highest	Lowest
	363(39)		
Group B			
M.Sc.(Hons.)			
Biological Sciences	60(9)	308	285
Chemistry	56(8)	301	288
Economics	46(5)	314	296
Mathematics	53(7)	323	294
Physics	52(3)	313	293
	267(32)		
Total :	630(71)		
(c) Hyderabad Campus:			
Group A			
B.E.(Hons.)			
Chemical	42(09)	309	294
Civil	52(06)	318	300
Computer Science	142(13)	374	329
EEE	76(10)	348	311
Electronics & Communication	82(21)	350	317
Electronics and Instrumentation	34(07)	321	307
Mechanical	66(02)	347	308
Manufacturing	36(04)	306	293
B. Pharm. (Hons.)	9(05)	319	160
	539(77)		
Group B			
M.Sc.(Hons.)			
Biological Sciences	23(07)	299	284
Chemistry	32(08)	296	286
Economics	52(10)	319	293
Mathematics	39(07)	312	291
Physics	36(02)	306	291
	182(34)		
Total :	721(111)		

Note: (i) The above list consists of 19 students who are First rank holders from 16 different central/ state boards admitted under 'direct admission of board toppers' scheme.

(ii) The above numbers also include 37 admissions of staff children and of BET school students, made under special dispensation consisting of 3 in Bio Sciences, 4 in Chemistry, 6 in Economics, 5 in Mathematics, 6 in Physics and 13 in General Studies.

(d) Dubai Campus:

Admission to Integrated First Degree Programmes

B.E.(Hons.)	
Biotechnology	23 (14)
Chemical Engineering	43 (18)
Electrical and Electronics Engineering	38 (10)
Mechanical Engineering	136 (08)
Electronics and Instrumentation Engineering	12 (09)
Computer Science	140 (52)
Electronics and Communication Engineering	57 (30)
Total	449(141)

2. Higher Degree Programmes :

(a) Pilani Campus

M.E.	
Biotechnology	15(11)
Chemical Engineering	24(12)
Civil (Structural Engineering)	10(02)
Civil (Transportation Engineering)	8(0)
Civil (Infrastructure Engineering)	10(03)
Computer Science	24(13)
Communication Engineering	12(03)
Design Engineering	9(0)
Embedded Systems	11(04)
Manufacturing Systems Engineering	9(0)
Mechanical Engineering	15(11)
Microelectronics	14(12)
Software Systems	25(05)
MBA	60(17)
M.Pharm.	4(02)
M.Pharm. (Pharmaceutics)	14(04)
M.Pharm. (Pharmaceutical Chemistry)	4(02)
Total	268(83)

(b) Goa Campus

M.E.	
Biotechnology	7(4)
Chemical Engineering	6(2)
Microelectronics	7(1)
Embedded Systems	5(1)
Computer Science	8(2)

Total 33(10)

(c) Hyderabad Campus

M.E.

Biotechnology	8(8)
Computer Science	8(4)
Civil (Structural)	8(4)
Embedded Systems	8(4)
Thermal	6(2)
Design	8(1)
M.Pharm. (Pharmaceutics)	6(5)

Total 52(28)

Higher Degree (3 year Integrated) Programme

10(01)

Total 10(01)

(d) Dubai Campus

M. E.

Microelectronics	00 (00)
Design Engineering	04 (00)
Software Systems	09 (04)
Biotechnology	00 (00)

M.B.A

07 (01)

Total 20 (05)

3. Doctoral Programmes (Ph.D.):

(a) Pilani Campus 17 (09)

(b) K.K. Birla Goa Campus 14 (05)

(c) Hyderabad Campus 9 (01)

(d) Dubai Campus 4 (2)

Total 44 (17)

(B) Work-Integrated Learning Programmes:**(A) Second Semester 2013-2014**

PROGRAMMES	No. of students joined	
1. Integrated First Degree Programmes:		
B.S.		
Engineering Technology	179(06)	
Information Systems	18(00)	
Manufacturing Engineering	29(01)	
Power Engineering	97(00)	
Process Engineering	50(00)	<u>373(007)</u>
2. Higher Degree Programme:		
M.S.		
Design Engineering	108(008)	
Embedded Systems	14(001)	
Integrated Software Systems	174(072)	
Manufacturing Management	206(017)	
Microelectronics	31(008)	
Software Engineering	1252(560)	
Software Systems	641(172)	
Systems Engineering	71(016)	
Telecommunications and Software Engineering	41(018)	<u>2538(872)</u>
	Total	<u>2911(879)</u>

(B) First Semester 2014-2015

PROGRAMMES	No. of students joined	
1. Integrated First Degree Programmes:		
B.S.		
Engineering Design	24(03)	
Engineering Technology	284(11)	
Manufacturing Engineering	78(01)	
Marine Engineering	259(03)	
Nautical Technology	80(02)	
Optometry	99(75)	
Physician Assistant	37(37)	
Power Engineering	51(00)	
Process Engineering	35(01)	<u>947(133)</u>
2. Higher Degree Programmes:		
M.S.		
Consciousness Studies	1(000)	
Pharmaceutical Operation & Management	56(005)	
Science Communication	11(003)	
Software Engineering	182(076)	
Software Systems	1077(302)	
Telecommunications & Software Engineering	50(011)	<u>1377(397)</u>

M.Tech.

Automotive Engineering	34(02)	
Manufacturing Management	355(27)	
Pharmaceutical Operation & Management	48(03)	
Quality Management	182(21)	
Software Systems	43(06)	662(059)

M.B.A.

Consultancy Management	91(08)	
Manufacturing Management	87(11)	
Quality Management	65(14)	243(033)

M.Phil.

Hospital and Health Systems Management	32(10)	
Optometry	11(06)	43(007)

Total		3272(638)
-------	--	------------------

SUMMARY

	II Semester 2013-2014	I Semester 2014-2015
1. BITS, Pilani – Pilani Campus		
Integrated First Degree Programmes	-	922(124)
Higher Degree Programmes	-	268(83)
Doctoral Programmes	54(21)	17(09)
Total	54(21)	1207(216)
2. BITS, Pilani – K.K. Birla Goa Campus		
Integrated First Degree Programmes	-	630(71)
Higher Degree Programmes	-	33(10)
Doctoral Programmes	8(03)	14 (05)
Total	8(3)	677(87)
3. BITS, Pilani – Hyderabad Campus		
Integrated First Degree Programmes	-	721(111)
Higher Degree Programmes	-	52(28)
Higher Degree (3 year Integrated Programmes)	-	10(01)
Doctoral Programmes	20(07)	9 (01)
Total	20(07)	792(141)
4. BITS, Pilani – Dubai Campus		
Integrated First Degree Programmes	07 (01)	449(141)
Higher Degree Programmes	36 (14)	20(05)
Doctoral Programmes	09 (03)	04(02)
Total	52 (18)	473 (148)
5. Work-Integrated Learning Programmes		
Integrated First Degree Programmes	373(007)	948(133)
Higher Degree Programmes	2538(872)	2324(505)
Total	2911(879)	3272(638)
GRAND TOTAL	3045 (928)	6421 (1230)

ADMISSIONS: QUALITY OF STUDENTS' INPUT

Year of Admission	Percentage of marks in Qualifying Subjects (General PCM)	
	Max.	Min.
1966-67	93.7	38.2
1967-68	91.2	52.0
1968-69	95.0	47.3
1969-70	92.7	51.6
1970-71	96.7	45.0
1971-72	92.3	56.2

Year of Admission	Semester	Normalised aggregate percentage	
		Highest	Lowest
1972-73	I Sem.	94.30	65.22
	II Sem.	88.16	65.22
1973-74	I Sem.	100.00	70.97
	II Sem.	94.41	70.97
1974-75	I Sem.	97.83	73.00
	II Sem.	97.83	80.11
1975-76	I Sem.	97.00	78.61
	II Sem.	96.14	79.76
1976-77	I Sem.	99.73	78.50
	II Sem.	92.30	69.63
1977-78	I Sem.	100.00	79.11
	II Sem.	97.19	82.84
1978-79	I Sem.	100.00	60.00
	II Sem.	98.05	79.67
1979-80	I Sem.	100.00	69.46
	II Sem.	99.87	84.24
1980-81	I Sem.	100.00	78.72
	II Sem.	(No admissions made)	
1981-82	I Sem.	100.00	81.10
	II Sem.	97.15	86.30
1982-83	I Sem.	100.00	84.13
	II Sem.	100.00	86.64
1983-84	I Sem.	100.00	84.68

Year of Admission	Semester	Normalised aggregate percentage	
		Highest	Lowest
	II Sem.	99.22	85.35
1984-85	I Sem.	99.89	85.60
	II Sem.	96.67	85.60
1985-86	I Sem.	100.00	85.05
	II Sem.	99.04	85.56
1986-87	I Sem.	100.00	88.63
	II Sem.	97.61	88.63
1987-88	I Sem.	100.00	88.11
	II Sem.	97.81	88.37
1988-89	I Sem.	100.00	88.86
	II Sem	100.00	92.63
1989-90	I Sem	100.00	89.03
	II Sem	98.96	89.03
1990-91	I Sem	100.00	90.90
	II Sem.	100.00	93.87
1991-92	I Sem.	100.00	90.96
	II Sem.	100.00	96.11
1992-93	I Sem	100.00	93.81
	II Sem.	100.00	94.71
1993-94	I Sem.	100.00	93.91
	II Sem.	100.00	95.02
1994-95	I Sem.	100.00	94.53
	II Sem.	99.52	94.99
1995-96	I Sem.	100.00	94.70
	II Sem	98.66	96.07
1996-97	I Sem.	100.00	95.27
	II Sem.	97.87	95.30
1997-98	I Sem.	100.00	95.31
	II Sem.	99.52	95.32
1998-99	I Sem.	100.00	95.10
	II Sem.	100.00	95.31
1999-2000	I Sem.	100.00	96.09
	II Sem.	98.89	96.70
2000-01	I Sem.	100.00	96.11
	II Sem.	99.79	96.11
2001-02	I Sem.	100.00	97.15

Year of Admission	Semester	Normalised aggregate percentage	
		Highest	Lowest
	II Sem.	100.00	97.44
2002-03	I Sem.	100.00	98.069
	II Sem.	100.00	98.069
2003-04	I Sem.	100.00	98.374
	II Sem.	100.00	98.374
2004-05	I Sem.	100.00	97.323
	II Sem.	99.673	97.323

Year of Admission	Semester	BITSAT Test Score	
		Highest	Lowest
2005-06	I Sem.	434	245
	II Sem.	366	267
2006-07	I Sem.	430	283
	II Sem.	300	283
2007-08	I Sem.	411	260
	II Sem.	386	251
2008-09	I Sem.	419	230
2009-10	I Sem.	422	255
	II Sem.	304	251
2010-11	I Sem.	398	258
2011-12	I Sem.	414	211
2012-13	I Sem.	414	258
2013-14	I Sem.	418	266
2014-15	I Sem.	430	160

STATEMENT SHOWING THE NUMBER OF CANDIDATES WHO HAVE BEEN PERMITTED IN THE ACADEMIC YEAR 2014-2015 TO PURSUE VARIOUS DUAL DEGREE PROGRAMMES UNDER VARIOUS PRIORITIES

(i) **Pilani Campus:**

FIRST PRIORITY

(From Group 'B' to Group 'A' Programmes)

Programmes* From ↓ To →	A1	A2	A3	A4	A5	A7	A8	AB	Total
B1	10	10	8	4	-	9	3	3	47
B2	7	4	10	11	-	9	4	2	47
B3	5	6	8	5	-	18	10	7	59
B4	6	2	8	9	-	11	10	1	47
B5	3	5	11	11	-	10	3	2	45
Total	31	27	45	40	-	57	30	15	245

OTHER PRIORITIES

Programmes* From ↓ To →	A1	A2	A7	AB	B3	B4	B5	Total
A1				1		1		2
A3			1					1
A7						1		1
B4							1	1
B5						1		1
C7	4	4			2			10
Total	4	4	1	1	2	3	1	16

**(ii) K.K. Birla Goa Campus:
FIRST PRIORITY**

(From Group 'B' to Group 'A' Programmes)

Programmes* From ↓ To →	A1	A3	A4	A7	A8	Total
B1	9	7	3	5	6	30
B2	8	6	5	3	11	33
B3	7	10	10	16	3	46
B4	4	8	6	12	14	44
B5	1	9	14	6	5	35
Total	29	40	38	42	39	188

OTHER PRIORITIES

Programmes* From ↓ To →	A7	B2	B5	Total
A3	1	1	3	5
A4			2	2
Total	1	1	5	7

**(iii) Hyderabad Campus:
FIRST PRIORITY**

(From Group 'B' to Group 'A' Programmes)

Programmes* From ↓ To →	A1	A2	A3	A4	A7	A8	AA	AB	Total
B1	7	3	4	6	2	1	1	6	30
B2	2	4	5	3	4	2	5	2	27
B3	2	2	6	3	12	3	9	1	38
B4	2	3	9	4	10	5	8	2	43
B5	1	3	1	6	11	3	4	2	31
Total	14	15	25	22	39	14	27	13	169

OTHER PRIORITIES

Programmes* From ↓ To →	AB	B3	Total
A1	1	-	1
A4	-	1	1
Total	1	1	2

(iv) Dubai Campus:

Programmes* From ↓ To →	A9	A1	TOTAL
A3	-	1	1
A4	1	-	1
TOTAL	1	1	2

***Legend :**

- A1 B.E. (Hons.) Chemical
- A2 B.E. (Hons.) Civil
- A3 B.E. (Hons.) Electrical & Electronics
- A4 B.E. (Hons.) Mechanical
- A5 B.Pharm. (Hons.)
- A7 B.E. (Hons.) Computer Science
- A8 B.E. (Hons.) Electronics and Instrumentation
- A9 B.E. (Hons.) Biotechnology
- AA B.E. (Hons.) Electronics & Communication
- AB B.E. (Hons.) Manufacturing Engineering
- B1 M.Sc. (Hons.) Biological Sciences
- B2 M.Sc. (Hons.) Chemistry
- B3 M.Sc. (Hons.) Economics
- B4 M.Sc. (Hons.) Mathematics
- B5 M.Sc. (Hons.) Physics
- C2 M.Sc. (Tech.) General Studies
- C5 M.Sc. (Tech.) Engineering Technology
- C6 M.Sc. (Tech.) Information Systems
- C7 M.Sc. (Tech.) Finance

FACULTY DATA

Pilani Campus

List of Faculty members who joined between 01-01-2014 to 31-12-2014.

S.No.	Name of Faculty	Desig.	Discipline	Date of Joining
1.	Dr. Ravi Inder Singh	ASTP	ME	02/01/2014
2.	Dr.(Ms.) Anupam Yadav	ASTP	HUSS	15/01/2014
3.	Ms. Preethi N G	LECT(OC)	CSIS	16/01/2014
4.	Mr. Mohammad Saleem J Bagewadi	LECT(OC)	CSIS	01/02/2014
5.	Mr. Chandra Shekar R K	ASTP(OC)	CSIS	05/02/2014
6.	Dr. Vishal Gupta	ASTP	CSIS	12/02/2014
7.	Dr. Virendra Shekhawat	ASTP	CSIS	24/02/2014
8.	Dr. Pradheep Kumar K	ASTP(OC)	CSIS	03/03/2014
9.	Mr. Yaji Sitaram Vishnu	ASTP(OC)	CSIS	03/03/2014
10.	Ms. P Jayalakshmi	LECT (OC)	MGTS	12/03/2014
11.	Dr. Arun Kumar Vaish	ASTP	ECFIN	15/03/2014
12.	Dr. Navneet Khanna	ASTP	ME	22/03/2014
13.	Dr. Jindal Anil Brijbhushan	ASTP	PHA	18/04/2014
14.	Dr. Biplab Kumar Debnath	ASTP	ME	05/05/2014
15.	Mr. P Gopalan	ASOP(OC)	ME	12/05/2014
16.	Dr. Ankur Roy	ASTP	MGTS	17/05/2014
17.	Dr. Krishna Muniyoor	ASTP	ECOFIN	30/05/2014
18.	Dr. (Ms.) Sunita Raina	ASTP	HUSS	02/06/2014
19.	Dr. Pradyumn Chaturvedi	ASTP	EEE	05/06/2014
20.	Dr. Deepak Chitkara	ASTP	PHA	12/06/2014
21.	Dr. Raman Sharma	ASTP	CHE	16/06/2014
22.	Dr. Sunil Kumar Dubey	ASTP	PHA	20/06/2014
23.	Dr. (Ms.) Anupama Mittal	ASTP	PHA	23/06/2014
24.	Dr. (Ms.) Sailaja Nandigama	ASTP	HUSS	02/07/2014
25.	Dr. Avik Chattopadhyay	ASTP	EEE	01/08/2014
26.	Dr. Satya Sudhakar Yedlapalli	ASTP(OC)	EEE	01/08/2014
27.	Dr. Shaikh Imlak Nurmahmad	ASTP	MGTS	01/08/2014
28.	Dr. Arkopal Kishore Goswami	ASTP	CE	19/08/2014
29.	Dr. Ananthakrishna Chintanpalli	ASTP	EEE	08/10/2014
30.	Mr. Sainath Bitragunta	VFAC	EEE	11/11/2014
31.	Mr. Madichetty Sreedhar	LECT(OC)	EEE	12/11/2014
32.	Ms. Uma Maheshwari N	INST(OC)	MGTS	25/11/2014
33.	Ms. Bulla Radhika	INST(OC)	CSIS	27/11/2014
34.	Mr. Belde Vinay	LECT(OC)	EEE	11/12/2014
35.	Mr. Krishnamurthy Bindumadhavan	ASOP(OC)	MGTS	15/12/2014
36.	Mr. Ashish Narang	LECT(OC)	CSIS	15/12/2014
37.	Mr. Vineet Kumar Garg	ASTP(OC)	CSIS	30/12/2014

List of Academic staff who joined between 01-01-2014 to 31-12-2014.

S.No.	Name of Academic staff	Desig.	Discipline	Date of Joining
1.	Mr. Giridhar M Kunkur	LIBR	HUSS	24/06/2014
2.	Mr. Ishappa Bandi	DLIB	HUSS	04/08/2014

List of Faculty members who Left the Institute between 01-01-2014 to 31-12-2014

S.No.	Name of Faculty	Desig.	Date of Leaving	Reason
1.	Dr. Navneet Upadhyay	LECT	31-01-2014	Resigned
2.	Dr. (Ms.) Sumana Ghosh	ASTP	07-02-2014	Resigned
3.	Shri Maheshwar Dwivedy	LECT	15-05-2014	Resigned
4.	Dr. (Ms.) Vandana K	VFAC	15-05-2014	Resigned
5.	Dr. (Ms.) Monalisa Mishra	ASTP	16-05-2014	Resigned
6.	Dr. Javid Ali	ASTP	19-05-2014	Resigned
7.	Dr. Ankur Roy	ASTP	29-05-2014	Resigned
8.	Ms. A. Muthulakshmi	VFAC	30-05-2014	Resigned
9.	Shri Arshad Javed	LECT	02-06-2014	Resigned
10.	Dr. Praphulla Chandra Shukla	ASTP	28-06-2014	Resigned
11.	Dr. (Ms.) Pooja Ashok	VFAC	30-06-2014	Resigned
12.	Dr. Navneet Khanna	ASTP	05-07-2014	Resigned
13.	Ms. K. Manjusha	VFAC	18-07-2014	Term Expired
14.	Shri Shailendra Singh Shekhawat	LECT	18-07-2014	Term Expired
15.	Dr. Ram Awtar	VPRO	18-07-2014	Term Expired
16.	Dr. (Ms.) Lajja	VFAC	18-07-2014	Term Expired
17.	Dr. Jammula Tirumala Rao	VFAC	18-07-2014	Term Expired
18.	Shri Aquil Mirza Mohammed	LECT	18-07-2014	Resigned
19.	Dr. Varinder Kumar Mittal	LECT	26-07-2014	Resigned
20.	Dr. Biplab Kumar Debnath	ASTP	26-07-2014	Resigned
21.	Shri Nirmal Kumar Gupta	LECT	31-07-2014	Resigned
22.	Prof. L.K. Maheshwari	PECA	31-07-2014	Term Expired
23.	Dr. Karumbaiah Chappanda Nanaiah	ASTP	16-08-2014	Resigned
24.	Shri P Gopalan	ASOP(OC)	27-08-2014	Resigned
25.	Shri Yaji Sitaram Vishnu	ASTP(OC)	01-09-2014	Resigned
26.	Shri Sachin Maheshwari	LECT	20-09-2014	Resigned
27.	Shri Jaipal A	LECT	15-10-2014	Resigned
28.	Prof. S. Kannan	PROF	25-10-2014	Resigned
29.	Shri Shvetank Bhatt	LECT	29-10-2014	Resigned
30.	Dr. Champak Baran Das	ASTP	09-12-2014	Expired
31.	Dr. Rikmantra Basu	ASTP	16-12-2014	Resigned
32.	Dr. Pankaj Biswas	ASTP	19-12-2014	Resigned
33.	Ms. Keskar Swati Pradeep Kumar	LECT	31-12-2014	Term Expired
34.	Dr. Rajiv Ranjan Singh	LECT	31-12-2014	Term Expired
35.	Ms. Anjali Awasthi	LECT	31-12-2014	Term Expired
36.	Shri Gautam Singhvi	LECT	31-12-2014	Resigned
37.	Dr. Murlidhar Arora	VFAC	31-12-2014	Term Expired
38.	Shri Piyush Gupta	VFAC	31-12-2014	Term Expired
39.	Dr. Benu Gopal Saha	VFAC	31-12-2014	Term Expired

List of Academic staff who Left the Institute between 01-01-2014 to 31-12-2014.

S.No.	Name of Academic Staff	Desig.	Date of Leaving	Reason
1.	Dr. Ishwara Bhat M	LIBR	16-07-2014	Retired
2.	Shri Devi Prasad Sharma	ALIB	16-07-2014	Term Expired

K.K. Birla Goa Campus**List of Faculty members who joined between 01-01-2014 to 31-12-2014.**

S.No.	Name of Faculty	Desig.	Discipline	Date of Joining
1.	Prof. Chaitanyamoy Ganguly	VPRO	CHEG	01.01.2014
2.	Dr. Varinder Singh	ASTP	ME	21.03.2014
3.	Dr. Vikas Chaudhari	ASTP	ME	21.03.2014
4.	Dr. Puran Singh	ASTP	ECON	31.03.2014
5.	Dr. Rajorshi Sen Gupta	ASTP	ECON	30.04.2014
6.	Dr. Asima Shaukat	ASTP	CHEG	12.05.2014
7.	Dr. Priyanka N. Desai	ASTP	EEE	16.06.2014
8.	Prof. Santonu Sarkar	PROF	CSIS	14.07.2014
9.	Dr. Nitin Sharma	ASTP	EEE	22.07.2014

List of Faculty members who Left the Institute between 01-01-2014 to 31-12-2014

S.No.	Name of Faculty	Desig.	Date of Leaving	Reason
1.	Prof. Sanjeev Kumar Aggarwal	DIR & SPRO	11.01.2014	Expired
2.	Mr. Atul Kumar	LECT	14.02.2014	Resigned
3.	Dr. Amar Kumar Behera	ASTP	15.03.2014	Resigned
4.	Prof. Nikolay Khartchenko	VPRO	11.05.2014	Resigned
5.	Dr. Rakesh Ganpat Mote	ASTP	17.05.2014	Resigned
6.	Mr. Raghavendra Datta Naik	LECT	30.05.2014	Resigned
7.	Dr. Shrabani Mukherjee	VFAC	25.06.2014	Resigned
8.	Dr. Sree Raj E.S.	ASTP	25.06.2014	Resigned
9.	Dr. Raghvendra Gupta	ASTP	10.07.2014	Resigned
10.	Dr. Dilip Kumar Mohanty	LECT	12.07.2014	Resigned
11.	Dr. Raghavendra G.S.	LECT	28.07.2014	Resigned
12.	Dr. Aruna B. Reddi	ASTP	31.07.2014	Resigned
13.	Prof. Chaitanyamoy Ganguly	VPRO	31.07.2014	Resigned
14.	Dr. Gyan Prakash	ASTP	08.12.2014	Resigned
15.	Dr. Rajaram Lakkaraju	ASTP	20.12.2014	Resigned
16.	Dr. Swarup Kumar Majee	ASTP	24.12.2014	Resigned
17.	Mr. Gautam Krishnan	VFAC	31.12.2014	Term End
18.	Dr. Geetha Varier	VFAC	31.12.2014	Term End

Hyderabad Campus

List of Faculty members who joined between 01-01-2014 to 31-12-2014.

S.No.	Name of Faculty	Desig.	Discipline	Date of Joining
1.	Dr. Arti Dhar	ASTP	PHAR	04/01/2014
2.	Dr. Runa Kumari	ASTP	EEE	10/03/2014
3.	Ms. J U Krithika Aishwarya	LECT	CE	12/03/2014
4.	Dr. Jeevanand S	ASTP	EEE	01/04/2014
5.	Dr. Suchetana Chakraborty	ASTP	CSIS	15/04/2014
6.	Mr. Santosh Kumar Mahapatra	VFAC	HUSS	29/04/2014
7.	Dr. Venkateswaran Rajgopalan	ASTP	EEE	12/05/2014
8.	Dr. Veerendra Vikram Awasthi	ASTP	MATH	30/05/2014
9.	Dr. Debdas Ghosh	ASTP	MATH	02/06/2014
10.	Prof. Ramana Sonti	ASOP	ECOFIN	02/06/2014
11.	Dr. Archana Srivastava	ASTP	ECOFIN	06/06/2014
12.	Dr. Sabareesh Geetha Rajasekharan	ASTP	ME	13/06/2014
13.	Dr. Trishikhi Raychoudhury	ASTP	CE	18/06/2014
14.	Dr. Maria Mercy Amutha A	ASTP	HUSS	02/07/2014
15.	Prof. G Bhuvaneshwari	VPRO	EEE	17/07/2014
16.	Mr. Dip Sankar Banerjee	VFAC	CSIS	01/08/2014
17.	Ms. Sunita Singh	LECT	EEE	01/08/2014
18.	Mr. Deepu Vijay. M	LECT	EEE	14/08/2014
19.	Dr. Srinivasa Rao Zinka	ASTP	EEE	25/11/2014

List of Faculty members who Left the Institute between 01-01-2014 to 31-12-2014

S.No.	Name of Faculty	Desig.	Date of Leaving	Reason
1.	Mr. Ashish Sharma	LECT	02/01/2014	Resigned
2.	Ms. K Kavitha	LECT	16/01/2014	Resigned
3.	Dr. Meera Lal	VFAC	09/04/2014	Resigned
4.	Dr. Basudha Misra	ASTP	19/05/2014	Resigned
5.	Mr. N Aditya	LECT	13/06/2014	Resigned
6.	Mr. Malagavelli Venu	LECT	18/07/2014	Term Expired
7.	Mr. T Syama Sundar	VFAC	18/07/2014	Term Expired
8.	Dr. R Srinivasan	ASTP	30/08/2014	Resigned
9.	Mr. Rahul Vats	LECT	05/09/2014	Resigned
10.	Dr. Pradip Babanrao Dhamole	ASTP	27/12/2014	Resigned
11.	Prof. Ashok Kumar Kapoor	VPRO	31/12/2014	Resigned
12.	Dr. Jeevanand S	ASTP	31/12/2014	Resigned
13.	Dr. Swarnali Bandopadhyay	ASTP	31/12/2014	Term Expired

Dubai Campus

List of Faculty members who joined between 01-01-2014 to 31-12-2014.

S.No.	Name of Faculty	Desig.	Discipline	Date of Joining
1.	Dr. Vilas Haridas Gaidhane	ASTP	EEE	07/09/2014

List of Faculty members who Left the Institute between 01-01-2014 to 31-12-2014

S.No.	Name of Faculty	Desig.	Date of Leaving	Reason
1.	Ms. Kavitha Sathya Narayanan	LECT	23/01/2014	Resigned
2.	Dr. Guntur Vijaya	PROF	01/07/2014	Resigned

DETAILS OF DISTRIBUTION OF PS-I STUDENTS AND FACULTY OVER PRACTICE SCHOOL - I STATIONS DURING THE SUMMER 2014

Sr No	CENTER	STATION	No. of Student	No. of Faculty
1	AHMEDABAD	ADANI POWER	5	1**
		ELITECORE TECHNOLOGIES PVT. LTD.	5	1**
		INFIBEAM	15	1**
2	AJMER	SHREE CEMENTS LIMITED	11	1*
3	ALUVA (KERALA)	THE FERTILIZERS AND CHEMICALS TRAVANCORE LTD. (FACT)	24	1*
4	ANAND	IDMC LTD.	5	1**
5	AURANGABAD	AURANGABAD ELECTRICALS	12	1*
		SIEMENS	5	1*
6	BADARPUR(DELHI)	NATIONAL THERMAL POWER CORPORATION (NTPC)	18	1*
7	BANGALORE	CORPSHAALA TECHNOLOGIES PVT. LTD.	5	1**
		FLUTURA BUSINESS SOLUTIONS PRIVATE LTD.	5	1**
		GENPACT ⁺	4	1**
		JANGRAHA	11	1**
		RAILTEL CORPORATION	5	1**
		STRAND LIFE SCIENCE (P) LTD.	6	1**
		UTTHUNGA TECHNOLOGIES PVT LTD	5	1
YUKEN INDIA LTD.	5	1**		
8	BAROTIWALA	ULTRATECH PHARMACEUTICALS	11	1*
9	BATHINDA	TECH TRAINING CELL(GURU NANAK DEV THERMAL PLANT GNDTP)	10	1*
10	BHADRAVATHI(SHIMOGA)	THE MYSORE PAPER MILLS LTD.	23	1
11	BHILAI	BHILAI STEEL PLANT	41	1*
12	BHOPAL	BHARAT HEAVY ELECTRICALS LTD (BHEL)	20	1*
		SANFIELD INDIA LTD	5	1*
13	BHUBANESWAR	THE INSTITUTE OF MINERALS AND MATERIALS TECHNOLOGY	16	1
14	BOKARO	BOKARO STEEL PLANT	29	1
15	CHANDRAPUR(MAHARASHATRA)	AWARPUR CEMENT WORKS	9	1
16	CHENNAI	CENTRAL ELECTRONICS ENGINEERING RESEARCH INSTITUTE (CEERI) ⁺	14	1*
		CENTRAL LEATHER RESEARCH INSTITUTE (CLRI) ⁺	25	1
		CENTRAL SCIENTIFIC INSTRUMENTS ORGANIZATION (CSIO) ⁺	8	1*
		INDIAN BANK	14	1*
		MEDICAL RESEARCH FOUNDATION	10	1**
		NATIONAL METALLURGICAL LABORATORY (NML)	5	1*
		THE MADRAS MEDICAL MISSION	11	1**
WHEELS INDIA LTD.	10	1*		
17	CHITTORGARH	HINDUSTAN ZINC LTD.	10	1*
18	DAMANJODI	NATIONAL ALUMINIUM COMPANY LIMITED (NALCO)	16	1*
19	DEHRADUN	INDIAN INSTITUTE OF REMOTE SENSING	25	1*

Sr No	CENTER	STATION	No. of Student	No. of Faculty
		WADIA INSTITUTE OF HIMALAYAN GEOLOGY	15	1*
20	DELHI	505 ARMY BASE WORKSHOP	15	1*
		CENTER OF EXCELLENCE IN TELECOMMUNICATION	10	1*
		GMR VARALAKSHMI FOUNDATION	10	1*
		GREENPEACE INDIA	10	1*
		HINDUSTAN PREFAB LIMITED	10	1**
		INDIAN RED CROSS SOCIETY BLOOD BANK	26	1*
		MOSER BAER INDIA LIMITED	6	1**
		RELIANCE COMMUNICATIONS LTD	5	1**
21	FARIDABAD	ESCORTS	15	1**
		SUPERSEALS INDIA LTD.	5	1**
22	GANDHINAGAR	BHASKARACHARYA INSTITUTE FOR SPACE APPLICATIONS AND GEOINFORMATIC (BISAG)	25	1**
23	GAUHATI	GAUHATI REFINERY	10	1
24	GOA	CARTINI INDIA LTD.	11	1*
		CG PPI ADHENSIVE PRODUCTS LTD	5	1*
		CHOWGULE & CO. LTD.	14	1*
		FUNSKOOL (INDIA) LTD.	9	1*
		GOA SHIPYARD LTD.	9	1*
		HELIX TECH.	5	1*
		HIMIGIRI CASTINGS P LTD	10	1*
		NATIONAL CENTRE FOR ANTARTIC AND OCEAN RESEARCH (NCAOR)	9	1*
		ORCHID BIO MEDICAL SYSTEMS	21	1
		POWER ENGINEERING INDIA PVT. LTD.	9	1*
		PUTZMEISTER	5	1*
		SIEMENS	6	1*
		SMART LINK NETWORK SYSTEMS	5	1*
VERGO PHARMA RESEARCH	5	1*		
ZUARI INDUSTRIES LTD.	6	1*		
25	GURGAON	EIH LIMITED	5	1*
		RITES LTD	12	1**
26	HYDERABAD	BHARAT DYNAMICS LTD.*	8	1*
		BHUMI	6	1*
		GMR VARALAKSHMI FOUNDATION	15	1*
		HBL POWER SYSTEMS LTD.	11	1*
		HMT BEARINGS LTD.	31	1*
		L.V.PRASAD EYE INSTITUTE	15	1*
		LEXICON INFOTECH LTD	5	1*
		MAUKA TECHNOLOGIES PVT. LTD.	5	1*
		NCCCM	13	1*
		SERVOMAX INDIA PVT. LTD.	17	1*
		SUKHILA POWER ELECTRONICS	10	1*
TOPTALENT.IN	4	1*		
27	JABALPUR	KEC INTERNATIONAL LIMITED	18	1
28	JAFFERABAD	GUJRAT CEMENT WORKS	8	1
29	JAGGAYAPET	MADRAS CEMENTS	25	1
30	JAIPUR	AMOL PHARMACEUTICALS PVT LTD	8	1*
		JAIPUR DEVELOPMENT AUTHORITY	15	1*

Sr No	CENTER	STATION	No. of Student	No. of Faculty
31	JALGAON	BRAKES FOUNDATION MANUFACTURING LTD	5	1*
		ORIENT CEMENT	16	1*
		RAYMOND LTD.	9	1*
		THE SUPREME INDUSTRIES	9	1*
32	JAMNAGAR	ESSAR POWER	20	1
33	JAMSHEDPUR	TATA STEEL	18	1
34	JHANSI	BHARAT HEAVY ELECTRICALS LTD (BHEL)	8	1
35	JHARSUGUDA	VEDANTA ALUMINIUM LTD	20	1
36	JODHPUR	BIRLA WHITE CEMENTS	11	1*
37	KALPAKKAM	INDIRA GANDHI CENTRE FOR ATOMIC RESEARCH (IGCAR)	25	1*
		MADRAS ATOMIC POWER PLANT	25	1*
38	KOCHI	CARBORUNDUM UNIVERSAL LTD.	10	1*
39	KOLKATA	DEVELOPMENT CONSULTANTS PRIVATE LIMITED	5	1*
		HEDGE QUANTS	8	1*
		TEXMACO LTD.*	10	1*
40	KORAPUT	HINDUSTAN AERONAUTICS LIMITED, ENGINE DIVISION	10	1*
41	KUDANKULAM	KUDANKULAM NUCLEAR POWER PLANT	23	1
42	LUCKNOW	BIOTECH PARK	19	1
43	MAHAN(MADHYA PRADESH)	ESSAR POWER, MAHAN	15	1*
44	MAHAPE	LARSEN & TOUBRO LIMITED (L&T) INFOTECH LTD.	5	1*
45	MALKHED (MAHARASHTRA)	RAJSHREE CEMENT	15	1
46	MANDIDEEP	HEG LIMITED	11	1*
47	MANESAR	HONDA MOTORS	20	1*
48	MOHALI	EDIFECS TECHNOLOGIES PRIVATE LTD.	5	1*
49	MUMBAI	ATOMIC ENERGY REGULATORY BOARD (AERB)	5	1*
		BEN LINE AGENCIES (INDIA) PVT. LTD.	6	1*
		BHABHA ATOMIC RESEARCH CENTRE	25	1
		CENTURY RAYON*	19	1**
		CMC LTD*	8	1*
		FACT VENTURES PTE LTD.	10	1*
		GREENPEACE INDIA	18	1*
		HINDUSTAN PETROLEUM CORPORATION LIMITED (HPCL)	10	1*
		HOMI BHABHA CENTRE FOR SCIENCE EDUCATION (TIFR)	15	1*
		KOTAK MAHINDRA BANK	6	1*
		MUMBAI RAIL VIKAS CORPORATION LTD.	5	1**
		ORIENT ENTERPRISES (PHOENIX INTERPLAST)	5	1*
		PRAMA INSTRUMENTS PRIVATE LIMITED	10	1*
		PRS PERMACEL PVT LTD	5	1**
RELIANCE COMMUNICATIONS LTD.	15	1*		
RELIANCE JIO(RJIL)	5	1*		
50	MUNDRA (GUJARAT)	ADANI POWER	18	1
51	MUSSOORIE	CENTRAL PUBLIC WORKS DEPARTMENT (CPWD)	20	1*
52	MYSORE	TRITON VALVES LTD	6	1**
		WUERTH ELECKTRONIK	5	1**
54	NAGDA	GRASIM CHEMICALS*	10	1**
		GRASIM INDUSTRIES*	25	1**

Sr No	CENTER	STATION	No. of Student	No. of Faculty
55	NAGPUR	GEOMITRA	6	1**
		GLOBAL LOGIC ⁺	5	1**
		METAL FAB HIGH TECH PVT LTD.	11	1**
		TECHTURE STRUCTURES PVT LTD. ⁺	6	1**
		WINDALSOPERATION	10	1**
56	NANDYAL	JSW CEMENT PVT LTD	14	1
57	NEEMUCH(MADHYA PRADESH)	VIKRAM CEMENT WORKS	13	1*
58	NOIDA	GLOBAL AUTOTECH	15	1**
59	PILANI	BIRLA MUSEUM	8	1*
		CENTRAL ELECTRONICS ENGINEERING RESEARCH INSTITUTE ⁺	27	1*
60	PITHAMPUR	MAHLE ENGINE COMPONENTS INDIA PVT. LTD.	10	1**
		NEOCORP INTERNATIONAL LIMITED	11	1**
61	PUNE	BHARAT FORGE LTD ⁺	11	1**
		DIESEL LOCO SHED,CENTRAL RAILWAY	10	1*
		DIVGI METALWARES PRIVATE LTD.	5	1**
		DIVGI-WARNER LTD. ⁺	5	1*
		INTER-UNIVERSITY CENTRE FOR ASTRONOMY AND ASTROPHYSICS (IUCCA)	5	1*
		KIRLOSKAR PNEUMATIC COMPANY LIMITED	5	1*
		NATIONAL CHEMICAL LABORATORY ⁺	10	1**
		RENU ELECTRONICS PVT LTD	6	1
		SKF INDIA LTD. ⁺	9	1*
		TATA TECHNOLOGIES LIMITED ⁺	12	1*
		THERMAX ⁺	8	1**
62	RAWAN	RAWAN CEMENT WORKS	6	1*
63	REDDIPALAYAM(TAMIL NADU)	REDDIPALAYAM CEMENT WORKS	9	1*
64	RENUKOOT	HINDALCO INDUSTRIES LIMITED	10	1*
65	ROURKELA	ROURKELA STEEL PLANT	41	1
66	SAHIBABAD	BHUSHAN STEEL LTD,SAHIBABAD	19	1**
67	SIRPUR KAGHAZNAGAR	THE SIRPUR PAPER MILLS LTD.	21	1
68	TADPATHRI	ULTRATECH CEMENT LIMITED	8	1**
69	TARAPUR	TARAPUR ATOMIC POWER STATION (TAPS)	10	1**
70	TIRORA (MH)	ADANI POWER LIMITED	17	1
71	TRICHY	BHARAT HEAVY ELECTRICALS LTD (BHEL)	15	1*
72	TRIVANDRAM	CENTRE FOR DEVELOPMENT OF IMAGING TECHNOLOGY (CDIT)	22	1*
		LAW PUNDITS	6	1*
73	VIJAYANAGAR	JSW ENERGY	20	1**
		JSW STEEL ⁺	20	1**
		EFFTRONICS SYSTEMS PVT. LTD.	10	1*
		KANAKA DURGA AGRO OIL PRODUCTS LTD	19	1*
		NAVATA ROAD TRANSPORT	10	1*
			2038	170

* Faculty looking after more than one PS-I station

** PS-II Faculty looking after PS-I

+ PS-I organisations hosting PS-II also

SOME PRACTICE SCHOOL - II STATISTICS

Statistical Details of the Distribution of Students & Faculty over Practice School-II and Practice School (for Higher Degree) Stations during the year 2014

Sr.No.	Stations	Second Semester 13.01.2014 -20.06.2014		First Semester 04.07.2014 - 14.12.2014		Total No. of Students
		No. of Students	No. of Faculty	No. of Students	No. of Faculty	
Ahmedabad						
1.	HILTI India Pvt. Ltd.	2	1*	-	-	2
2.	Skyquest Technology Consulting Pvt. Ltd.	4	1*	3	1*	7
Aurangabad						
3.	Skoda Auto India Pvt. Ltd.	2	1*	4	1*	6
4.	Wockhardt Research Centre	5	1*	-	-	5
Bangalore						
5.	Altair Engineering India Pvt. Ltd.	8	1*	5	1*	13
6.	Amadeaus Software Labs India Pvt. Ltd.	-	-	2	1*	2
7.	Amazon Development Centre	27	1*	20	1*	47
8.	Analog Devices	4	1*	5	1*	9
9.	Appcito Networks Pvt. Ltd.	-	-	2	1*	2
10.	APTEAN	-	-	8	1*	8
11.	ANZ Grindlays	3	1*	-	-	3
12.	Apigee	2	1*	-	-	2
13.	ARM	8	1*	9	1*	17
14.	Aruba Networks	4	1*	6	1*	10
15.	Arvind Internet	-	-	12	1*	12
16.	Azul Systems	-	-	1	1*	1
17.	Beckman Coulter (formerly ReaMetrix India Pvt. Ltd)	2	1*	2	1*	4
18.	Biocon	2	1*	-	-	2
19.	Bidgely	-	-	2	1*	2
20.	Blue Jeans Network India Pvt. Ltd.	4	1*	7	1*	11
21.	Blue Tree Consultancy Services Pvt. Ltd.	3	1*	-	-	3
22.	Bosch	3	1*	2	1*	5
23.	Broadcom India Pvt. Ltd	21	1*	14	1*	35
24.	Centre for Artificial Intelligence & Robotics	5	1*	11	1*	16
25.	CA Technologies	-	-	7	1*	7
26.	CIREL Systems	2	1*	-	-	2
27.	Cosmic Circuits Pvt. Ltd.	4	1*	-	-	4
28.	CSIR-National Aerospace Laboratories	5	1*	5	1*	10
29.	CSR	2	1*	5	1*	7
30.	Dell R&D	3	1*	-	-	3
31.	Derrick Petroleum	8	1*	10	1*	18
32.	DreamWorks Animation	4	1*	2	1*	6
33.	EBay India Development Centre	10	1*	11	1*	21
34.	EMC	11	1*	6	1*	17
35.	EnSci - A Unit of Weir Minerals India Pvt. Ltd.	2	1*	5	1*	7

Sr.No.	Stations	Second Semester 13.01.2014 -20.06.2014		First Semester 04.07.2014 - 14.12.2014		Total No. of Students
		No. of Students	No. of Faculty	No. of Students	No. of Faculty	
36.	Ericsson Global India Pvt. Ltd.	7	1*	20	1*	27
37.	Ernst & Young Pvt. Ltd.	2	1*	-	-	2
38.	Exotel Techcom Pvt. Ltd.	2	1*	-	-	2
39.	Fabmart	2	1*	-	-	2
40.	Fiber Link	10	1*	5	1*	15
41.	Fiorano Software Technologies Pvt. Ltd.	3	1*	3	1*	6
42.	Flipkart Online Services Pvt. Ltd	16	1*	37	1	53
43.	GE John F Welch Technology Centre	2	1*	-	-	2
44.	Genpact Analytics *	11	1*	3	1*	14
45.	Global Logic	2	1*	2	1*	4
46.	Goldman Sachs India Pvt. Ltd.	10	1*	18	1*	28
47.	HSBC	3	1*	-	-	3
48.	Hilti	-	-	2	1*	2
49.	Icicle Technologies Pvt. Ltd.	2	1*	-	-	2
50.	ILabs	8	1*	4	1*	12
51.	Infinera	8	1*	6	1*	14
52.	Informatica Business Solutions Pvt. Ltd	6	1*	9	1*	15
53.	InMobi	7	1*	-	-	7
54.	Intel India Technology Pvt. Ltd.	18	1*	25	1*	43
55.	ITW	3	1*	4	1*	7
56.	JDA Software Solutions	8	1*	16	1*	24
57.	J.P. Morgan Chase	-	-	7	1*	7
58.	KPMG	2	1*	2	1*	4
59.	Lantiq India Pvt. Ltd.	6	1*	3	1*	9
60.	LSI Research & Development Pvt. Ltd.	11	1*	-	-	11
61.	Magnet Works	2	1*	-	-	2
62.	MarketShare Infotech India Pvt. Ltd.	4	1*	3	1*	7
63.	Media Iq Digital	6	1*	5	1*	11
64.	Mercedes Benz	5	1*	5	1*	10
65.	Mu Sigma Business Solutions	2	1*	13	1*	15
66.	National Centre for Biological Sciences	-	-	3	1*	3
67.	National Entrepreneurship Network	5	1*	5	1*	10
68.	National Instruments Systems (indie)Pvt.Ltd	3	1*	4	1*	7
69.	NetApp	17	1*	7	1*	24
70.	NetSkope Software India Pvt. Ltd.	5	1*	6	1*	11
71.	Nutanix Technologies India Pvt. Ltd.	3	1*	-	-	3
72.	Nvidia Graphics Pvt. Ltd.	28	1*	35	1*	63
73.	Optumsoft Research Pvt Ltd	2	1*	-	-	2
74.	Oracle India Pvt. Ltd.	16	1*	1	1*	17
75.	Pantaloons Fashion & Retail Ltd.	2	1*	-	-	2
76.	Parsons Brinckerhoff	2	1*	-	-	2
77.	Philips Research Asia	2	1*	-	-	2
78.	Polycom Technology (R&D) Centre Pvt. Ltd.	3	1*	2	1*	5
79.	Practo Technologies Pvt. Ltd.	4	1*	4	1*	8
80.	Qualcomm	2	1*	-	-	2
81.	Sabre Holdings(Formely Sabre Travels)	1	1*	17	1*	18

Sr.No.	Stations	Second Semester 13.01.2014 -20.06.2014		First Semester 04.07.2014 - 14.12.2014		Total No. of Students
		No. of Students	No. of Faculty	No. of Students	No. of Faculty	
82.	SAMSUNG India Software Operations	5	1*	-	-	5
83.	SAP Labs	3	1*	2	1*	5
84.	Satvva Media & Consulting Pvt Ltd	2	1*	2	1*	4
85.	Sevenion Software Systems Pvt. Ltd.	2	1*	-	-	2
86.	Shell	3	1*	2	1*	5
87.	Siemens Corporate Research & Technologies	2	1*	-	-	2
88.	SiRIUS Embedded Software (P) Ltd.	2	1*	2	1*	4
89.	Syniverse Technologies	-	-	9	1*	9
90.	Tangoe India Softek Pvt. Ltd	-	-	4	1*	4
91.	TAS Analytic Services	7	1*	4	1*	11
92.	Tejas Networks	7	1*	-	-	7
93.	TESCO	11	1*	12	1	23
94.	Tetcos	2	1*	2	1*	4
95.	Texas Instruments (I) Pvt. Ltd.	9	1*	4	1*	13
96.	Tonbo Imaging Pvt Ltd.	4	1*	4	1*	8
97.	Unilever Research	4	1*	2	1*	6
98.	VMware	1	1*	-	-	1
99.	Walmart Global Technology Services	7	1*	5	1*	12
100.	Zoomcar India Pvt.Ltd	-	-	3	1*	3
Chennai						
101.	Amazon Development Center	8	1*	15	1*	23
102.	ARClS Centre for Fuel Cell Technology	2	1*	-	-	2
103.	Central Electronics Engineering Research Institute(CEERI) ⁺	2	1*	4	1*	6
104.	CSIR - Central Leather Research Institute ⁺	3	1*	2	1*	5
105.	Central Scientific Instruments Organisation ⁺	-	-	2	1*	2
106.	Ernst & Young Pvt. Ltd.	2	1*	-	-	2
107.	Healthcare Technology Innovation Centre (HTIC)	2	1*	2	1*	4
108.	HILTI India Pvt. Ltd.	2	1*	-	-	2
109.	Histogenetics	4	1*	2	1*	6
110.	LatentView Analytics	4	1	-	-	4
111.	Paypal	11	1*	6	1*	17
112.	Ramco Systems	22	1*	30	1*	52
113.	Rane Madras Ltd	2	1*	-	-	2
114.	Sankar Nethralaya	3	1*	1	1*	4
115.	Structural Engineering Research Centre	7	1*	5	1	12
Cochin						
116.	Ernst & Young L.L.P.	2	1*	-	-	2
Coimbatore						
117.	L&T	2	1*	2	1*	4
Dahej (Gujarat)						
118.	Birla Copper	2	1*	2	1*	4
Dehradun						
119.	Indian Institute of Petroleum	4	1	6	1*	10
Delhi						
120.	AnoVIP	-	-	4	1*	4

Sr.No.	Stations	Second Semester 13.01.2014 -20.06.2014		First Semester 04.07.2014 - 14.12.2014		Total No. of Students
		No. of Students	No. of Faculty	No. of Students	No. of Faculty	
121.	Central Road Research Institute	2	1*	2	1*	4
122.	Consilium	3	1*	-	-	3
123.	Deloitte Consulting India Pvt. Ltd	2	1*	-	-	2
124.	EduPristine	4	1*	-	-	4
125.	Grey Orange Robotics Pvt. Ltd.	5	1*	2	1*	7
126.	HILTI India Pvt. Ltd.	2	1*	2	1*	4
127.	National Council of Applied Economic Research	2	1*	2	1*	4
128.	National Institute of Science and Tech. Dev. Studies (NISTADS)	4	1*	4	1*	8
129.	Value Edge India	7	1*	7	1*	14
Faridabad						
130.	Rite Infotech Pvt Ltd	4	1*	1	1*	5
Goa						
131.	Aditya Birla Management Corporation Pvt. Ltd.	1	1*	-	-	1
132.	Crompton Grieves PPI adhesive products Ltd	2	1	-	-	2
133.	GMI Zarhak Moulders Pvt Ltd	-	-	2	1*	2
134.	IFB Global	3	1	2	1*	5
135.	Pentair Water India Pvt. Ltd.	2	1*	5	1*	7
136.	Persistant System	-	-	2	1*	2
Greater Noida						
137.	ST Microelectronics(I) Pvt.Ltd.	19	1*	13	1*	32
Gurgaon						
138.	Aurum Equity Partners	2	1*	3	1*	5
139.	Bharti Soft Bank	-	-	1	1*	1
140.	Boxbeat Technologies Pvt. Ltd.	2	1*	-	-	2
141.	Comverse Network System Pvt.Ltd.	-	-	4	1*	4
142.	Ericsson Global India Pvt. Ltd.	2	1*	17	1*	19
143.	Ernst & Young Pvt. Ltd.	3	1*	-	-	3
144.	Hike	-	-	6	1*	6
145.	Jabong	2	1*	2	1*	4
146.	KPMG	2	1*	2	1*	4
147.	Mahle Filters India Ltd	3	1*	-	-	3
148.	Paxcel Technologies	-	-	3	1*	3
149.	Pantaloons Fashion & Retail Ltd.	2	1*	-	-	2
150.	Reckitt Benckiser	2	1*	5	1*	7
151.	Sagacious Research	4	1*	3	1	7
152.	SRF Ltd.	3	1*	4	1*	7
153.	Tata Consultancy Services	-	-	5	1*	5
154.	UOP India Pvt Ltd (A Honeywell company)	1	1	-	-	1
Halol (Baroda)						
155.	Aditya Birla Insulators	3	1*	2	1*	5
Hosur						
156.	FTRTL	-	-	2	1*	2
Hyderabad						
157.	Aditya Birla Management Corporation Pvt. Ltd.	1	1*	-	-	1
158.	Accendo Technologies Pvt Ltd.	-	-	2	1*	2

Sr.No.	Stations	Second Semester 13.01.2014 -20.06.2014		First Semester 04.07.2014 - 14.12.2014		Total No. of Students
		No. of Students	No. of Faculty	No. of Students	No. of Faculty	
159.	Amazon Development Center	17	1*	21	1*	38
160.	Bharat Dynamics Ltd. (BDL) +	7	1*	4	1*	11
161.	Bravo Lucy	2	1*	-	-	2
162.	Broadcom India Pvt. Ltd.	5	1*	-	-	5
163.	BT & BT Management			4	1*	4
164.	Centre for DNA Fingerprinting and Diagnostics	3	1*	2	1*	5
165.	CMC Ltd.	2	1*	-	-	2
166.	Covidien Engineering Services Pvt. Ltd.	4	1*	-	-	4
167.	Fiorano Software Technologies Pvt. Ltd.	2	1*	2	1*	4
168.	GE John F Welch Technology Centre	2	1*	-	-	2
169.	IMI Mobile	8	1*	6	1*	14
170.	Indian Institute of Chemical Technology	10	1*	10	1*	20
171.	Informatica Business Solutions Pvt.Ltd	2	1*	-	-	2
172.	Industry ARC	-	-	10	1*	10
173.	Inside View	3	1*	3	1*	6
174.	International Advanced Research Centre for Powder Metallurgy and New Materials	2	1*	4	1*	6
175.	JDA Software Solutions	6	1*	9	1*	15
176.	Jord International	-	-	3	1*	3
177.	Microsemi India Pvt Ltd	5	1*	-	-	5
178.	MXIT	2	1*	-	-	2
179.	My smart price	2	1*	2	1*	4
180.	Mylan Labs Ltd. (formerly Matrix Labs Ltd.)	17	1*	-	-	17
181.	Novartis	8	1*	3	1*	11
182.	Nuevosol Energy Pvt. Ltd.	2	1*	-	-	2
183.	Nvidia Graphics Pvt. Ltd.	5	1*	3	1*	8
184.	Oracle India Pvt Ltd.	10	1*	4	1*	14
185.	Polmon	2	1*	2	1*	4
186.	Polycom Technology (R&D) Centre Pvt. Ltd.	7	1*	10	1*	17
187.	Puzzolana Machinery Fabricators Engineering Ltd.	5	1*	-	-	5
188.	Sandilya Consulting Engineers	3	1*	-	-	3
189.	Signode India Ltd.Rudraram	2	1*	-	-	2
190.	Salesforce.com	-	-	3	1*	3
191.	Silicon Image R&D Pvt Ltd	2	1*	5	1*	7
192.	Tech Vedika Software Pvt. Ltd.	3	1*	-	-	3
193.	Vasant Chemicals and Organics Ltd.	2	1*	1	1*	3
194.	Worley Parsons India	-	-	3	1*	3
Indore						
195.	Prataap Snacks Factory	-	-	2	1*	2
Jaipur						
196.	NBC Bearings	2	1*	-	-	2
197.	NK Buildcon	2	1*	-	-	2
198.	Stellarix Consultancy Services Pvt Ltd	2	1*	3	1*	5
Jodalli (Karnataka)						
199.	Spicer India Ltd.	-	-	1	1*	1
Kalyan (Mumbai)						

Sr.No.	Stations	Second Semester 13.01.2014 -20.06.2014		First Semester 04.07.2014 - 14.12.2014		Total No. of Students
		No. of Students	No. of Faculty	No. of Students	No. of Faculty	
200.	Century Rayon ⁺	3	1*	4	1*	7
Kolkata						
201.	BOC India Ltd.	-	-	4	1*	4
202.	Development Consultants Pvt. Ltd. (DCPL)	2	1*	2	1*	4
203.	LINDE INDIA LIMITED	4	1*	-	-	4
204.	Tega Industries Ltd.	2	1*	4	1*	6
205.	TEXMACO ⁺	1	1*	2	1*	3
Kota						
206.	Chambal Fertilizers and Chemicals Ltd.	3	1*	-	-	3
Mohali						
207.	Paxcel Technologies	-	-	2	1*	2
Mumbai						
208.	Aditya Birla Corporate IT	2	1*	1	1*	3
209.	Aditya Birla Corporate World Class Manufacturing	4	1*	2	1*	6
210.	Aditya Birla Science & Technology Company Ltd.	4	1*	3	1*	7
211.	Carwale (Automotive Exchange Pvt.Ltd)	-	-	4	1*	4
212.	CMC Ltd. ⁺	2	1*	1	1*	3
213.	Credit Suisse	13	1*	15	1*	28
214.	DBOI (Deutsche Bank)	2	1*	2	1*	4
215.	Deloitte Consulting India Pvt. Ltd	10	1*	-	-	10
216.	Development Consultants Pvt. Ltd. (DCPL)	4	1*	4	1*	8
217.	Dorsch Consult (India) Pvt. Ltd.	2	1*	-	-	2
218.	Dow Chemical International Pvt Ltd	4	1*	2	1*	6
219.	EduPristine	3	1*	-	-	3
220.	Ernst & Young Pvt Ltd.	2	1*	-	-	2
221.	Geometric Limited	2	1*	2	1*	4
222.	Godrej	2	1*	-	-	2
223.	Hilti	-	-	2	1*	2
224.	Hourglass Research	2	1*	3	1*	5
225.	J.P. Morgan Services India Pvt. Ltd	12	1*	8	1*	20
226.	J.P.Morgan Chase	20	1*	39	1*	59
227.	KPMG	2	1*	2	1*	4
228.	Mayuresh Group	-	-	4	1*	4
229.	Morgan Stanley Advantage Services	7	1*	-	-	7
230.	Morningstar	2	1*	2	1*	4
231.	MSCI- Bara Client Services	3	1*	3	1*	6
232.	MSCI -Bara Data Management	2	1*	2	1*	4
233.	MSCI Financial Planning & Analysis	1	1*	1	1*	2
234.	MSCI -Bara Quantitative Equity Research	3	1*	3	1*	6
235.	MSCI Index and Research	-	-	3	1*	3
236.	MSCI Technology & Development	-	-	2	1*	2
237.	National Stock Exchange of India Ltd.	3	1*	-	-	3
238.	Netcore Solutions	-	-	2	1*	2
239.	Nokia –Location & Commerce (Formerly Navteq)	-	-	7	1*	7
240.	Pantaloons Fashion & Retail Ltd.	6	1*	-	-	6
241.	Skoda Auto India Pvt. Ltd.	2	1*	1	1*	3

Sr.No.	Stations	Second Semester 13.01.2014 -20.06.2014		First Semester 04.07.2014 - 14.12.2014		Total No. of Students
		No. of Students	No. of Faculty	No. of Students	No. of Faculty	
242.	UltraTech Cement Ltd.	3	1*	-	-	3
243.	Vakilmehtheth	2	1*	-	-	2
244.	Wootify	-	-	4	1*	4
245.	Worley Parsons	-	-	4	1*	4
Nagda						
246.	Grasim Chemicals +	2	1*	-	-	2
247.	Grasim Industries Ltd +	4	1*	1	1*	5
Nagpur						
248.	Global Logic +	-	-	4	1*	4
249.	Skyline Consulting Engrs Pvt. Ltd.	2	1*	2	1*	4
250.	Techture Structures Pvt.Ltd.+	-	-	3	1*	3
Narketpally						
251.	Oil Country Tubular Ltd.	4	1*	4	1*	8
Noida						
252.	Adobe	2	1*	-	-	2
253.	Alliance Infotech	-	-	2	1*	2
254.	Atrenta India Pvt.Ltd.	-	-	2	1	2
255.	CSR Ltd	-	-	2	1*	2
256.	Global Logic	-	-	6	1*	6
257.	LEXINNOVA	3	1*	-	-	3
258.	Opera Solutions	2	1*	-	-	2
259.	Synopsys	3	1*	-	-	3
Panth nagar (Gujrat)						
260.	Spicer India Ltd.	-	-	1	1*	1
Pilani						
261.	Aditya Birla Management Corporation Pvt. Ltd.	2	1	-	-	2
262.	Central Electronics Engineering Research Institute +	3	1	8	1	11
Pune						
263.	AutoDesk	2	1*	2	1*	4
264.	Avaya India	11	1*	2	1*	13
265.	B.G.Shirke Construction Technology Pvt. Ltd.	2	1*	2	1*	4
266.	Batelle Science and Technology India Pvt Ltd	2	1*	4	1*	6
267.	Behr India Ltd	-	-	4	1*	4
268.	Bharat Forge Ltd. +	4	1*	3	1*	7
269.	Cadence	2	1*	-	-	2
270.	Centre for Development of Advanced Computing	-	-	2	1*	2
271.	Chrysler India Automative	-	-	4	1*	4
272.	Credit Suisse	22	1*	35	1	57
273.	Divgi Warner (P) Limited +	2	1*	3	1*	5
274.	Eaton Technologies	2	1*	2	1*	4
275.	FAB India	2	1*	-	-	2
276.	Gabrel India Ltd	-	-	1	1*	1
277.	Halliburton Technology Center	-	-	2	1*	2
278.	IDeaS - SAS	2	1*	4	1*	6
279.	Ishwar Parmar Group	-	-	2	1*	2
280.	LSI Research & Development Pvt. Ltd.	7	1*	-	-	7

Sr.No.	Stations	Second Semester 13.01.2014 -20.06.2014		First Semester 04.07.2014 - 14.12.2014		Total No. of Students
		No. of Students	No. of Faculty	No. of Students	No. of Faculty	
281.	Lupin Research Park	3	1*	-	-	3
282.	Mahle Filters India Ltd	-	-	3	1*	3
283.	National Chemical Laboratory +	-	-	3	1*	3
284.	Nvidia Graphics Pvt. Ltd.	6	1*	2	1*	8
285.	Reflexis Systems India Pvt Ltd.	5	1*	6	1*	11
286.	SKF India Ltd. +	5	1*	6	1*	11
287.	Skoda Auto India Pvt. Ltd. (Chakan)	3	1*	3	1*	6
288.	Spicer India Ltd.	2	1*	3	1*	5
289.	Tata Autocomp Systems Ltd.	5	1*	4	1*	9
290.	Tata Motors	5	1*	4	1*	9
291.	Tata Technologies	5	1*	4	1*	9
292.	Tensilica	-	-	3	1*	3
293.	Thermax Ltd. +	-	-	2	1*	2
294.	Victor Gaskets India Ltd.	2	1*	-	-	2
Roorkee						
295.	Central Building Research Institute	2	1	4	1*	6
Satara						
296.	Spicer India Ltd	-	-	1	1*	1
Secunderabad						
297.	RSV Construction Pvt. Ltd.	2	1*	2	1*	4
Sirsi						
298.	Divgi Warner Pvt Ltd	-	-	1	1*	1
Surat						
299.	Ace Business and Market Research Group	5	1*	1	1*	6
Thailand						
300.	Aditya Birla Chemicals Ltd	4	1*	4	1*	8
Trivandrum						
301.	Centre for Development of Imaging Technology (C-DIT)	4	1*	2	1*	6
302.	Klientas	-	-	5	1*	5
303.	Law Pandits	2	1*	-	-	2
304.	Sun Tec Business Solutions Pvt Ltd	-	-	3	1*	3
Udaipur						
305.	Hindustan Zinc Limited, Chittorgarh	4	1*	5	1*	9
Valsad/Ankleshwar						
306.	Atul Ltd.	2	1*	3	1*	5
Vijaynagar						
307.	JSW Steel Ltd +	4	1	5	1	9
Total		1128	49	1139	47	2267

+Stations hosting PS-I also

*Faculty looking after more than one PS-II Station

PRACTICE SCHOOL GROWTH STATISTICS

PRACTICE SCHOOL-I

Session	No. of students who attended PS-I	No. of faculty who supervised PS-I	No. of PS-I stations
Summer 1973	15	04	01
Summer 1974	89	17	09
Summer 1975	244	26	14
Summer 1976	355	33	28
Summer 1977	349	32	38
Summer 1978	335	35	38
Summer 1979	474	45	53
Summer 1980	397	34	42
Summer 1981	372	33	36
Summer 1982	462	39	44
Summer 1983	476	43	49
Summer 1984	491	40	52
Summer 1985	514	42	52
Summer 1986	507	38	49
Summer 1987	497	35	49
Summer 1988	552	42	59
Summer 1989	574	42	58
Summer 1990	572	46	63
Summer 1991	530	43	62
Summer 1992	625	53	78
Summer 1993	648	56	87
Summer 1994	612	55	81
Summer 1995	607	54	80
Summer 1996	648	54	89
Summer 1997	628	53	86
Summer 1998	638	53	87
Summer 1999	568	42	73
Summer 2000	656	52	85
Summer 2001	770	52	100
Summer 2002	807	52	98
Summer 2003	861	60	115
Summer 2004	861	57	95
Summer 2005	840	54	83
Summer 2006	1376	68	129
Summer 2007	1340	79	138
Summer 2008	1399	72	133
Summer 2009	1355	68	121
Summer 2010	1926	95	204
Summer 2011	2065	107	203
Summer 2012	2036	105	183
Summer 2013	2081	74	178
Summer 2014	2038	93	170

PRACTICE SCHOOL-II FOR INTEGRATED FIRST DEGREE

Semesters	No. of students who attended PS-II	No. of faculty who supervised PS-II	No. of PS-II stations
Second Sem. 72-73	10	04	01
First Sem. 73-74	12	04	01
Second Sem. 73-74	12	08	01
First Sem.74-75	36	05	06
Second Sem. 74-75	56	15	09
First Sem.75-76	31	06	05
Second Sem. 75-76	75	12	15
First Sem.76-77	121	18	15
Second Sem. 76-77	110	21	18
First Sem.77-78	151	16	16
Second Sem. 77-78	159	19	20
First Sem.78-79	166	23	20
Second Sem. 78-79	171	23	26
First Sem. 79-80	159	25	23
Second Sem. 79-80	153	25	22
First Sem.80-81	183	27	25
Second Sem. 80-81	195	26	28
First Sem.81-82	181	28	30
Second Sem. 81-82	184	27	31
First Sem.82-83	208	26	32
Second Sem. 82-83	212	23	34
First Sem.83-84	213	30	31
Second Sem. 83-84	200	23	35
First Sem.84-85	217	30	34
Second Sem. 84-85	213	37	41
First Sem. 85-86	239	33	41
Second Sem. 85-86	231	34	46
First Sem.86-87	248	36	47
Second Sem. 86-87	249	40	45
First Sem.87-88	231	40	48
Second Sem. 87-88	232	36	46
First Sem.88-89	274	39	51
Second Sem. 88-89	269	30	51
First Sem.89-90	275	31	49
Second Sem. 89-90	272	32	49
First Sem.90-91	272	30	49
Second Sem. 90-91	274	29	57
First Sem. 91-92	306	32	62
Second Sem. 91-92	297	36	66
First Sem.92-93	297	38	68
Second Sem. 92-93	281	34	69
First Sem.93-94	311	36	69
Second Sem. 93-94	314	38	79
First Sem.94-95	335	36	80
Second Sem. 94-95	344	35	79
First Sem.95-96	330	43	84
Second Sem. 95-96	323	40	91
First Sem.96-97	321	42	92
Second Sem. 96-97	323	43	89
First Sem.97-98	320	42	86
Second Sem. 97-98	330	42	87
First Sem.98-99	317	36	82

Semesters	No. of students who attended PS-II	No. of faculty who supervised PS-II	No. of PS-II stations
Second Sem. 98-99	327	37	89
First Sem. 1999-2000	324	42	84
Second Sem. 1999-2000	335	42	91
First Sem. 2000-2001	347	43	85
Second Sem. 2000-2001	336	44	93
First Sem. 2001-2002	330	43	88
Second Sem. 2001-2002	349	36	84
First Sem. 2002-2003	400	40	99
Second Sem. 2002-2003	406	43	93
First Sem. 2003-2004	427	42	88
Second Sem. 2003-2004	426	43	88
First Sem. 2004-2005	456	44	94
Second Sem. 2004-2005	459	46	101
First Sem. 2005-2006	499	53	110
Second Sem. 2005-2006	470	48	113
First Sem. 2006-2007	458	46	103
Second Sem. 2006-2007	570	53	128
First Sem. 2007-2008	708	53	153
Second Sem. 2007-2008	763	54	165
First Sem. 2008-2009	864	54	174
Second Sem. 2008-2009	730	61	193
First Sem. 2009-2010	862	62	194
Second Sem. 2009-2010	871	66	229
First Sem. 2010-2011	897	62	219
Second Sem. 2010-2011	874	69	261
First Sem. 2011-2012	1085	72	259
Second Sem. 2011-2012	1087	63	273
First Sem. 2012-2013	1190	64	256
Second Sem 2012-2013	1147	63	263
First Sem 2013-2014	1127	60	246
Second Sem 2013-2014	1128	49	244
First Sem 2014-2015	1138	48	221

PRACTICE SCHOOL FOR HIGHER DEGREE

Semesters	No. of students who attended PS	No. of faculty who supervised PS	No. of PS stations where Higher Degree students were also sent
Second Sem. 91-92	18	09	12
First Sem.92-93	39	19	20
Second Sem. 92-93	41	19	21
First Sem.93-94	35	16	17
Second Sem. 93-94	41	11	15
First Sem.94-95	43	18	22
Second Sem. 94-95	45	17	17
First Sem.95-96	53	29	36
Second Sem. 95-96	52	27	35
First Sem.96-97	60	25	36
Second Sem. 96-97	55	25	33
First Sem.97-98	45	21	28
Second Sem. 97-98	56	22	29
First Sem.98-99	38	20	28
Second Sem. 98-99	46	19	24
First Sem. 1999-2000	62	26	34

Semesters	No. of students who attended PS	No. of faculty who supervised PS	No. of PS stations where Higher Degree students were also sent
Second Sem. 1999-2000	63	26	33
First Sem. 2000-2001	39	23	27
Second Sem. 2000-2001	50	26	36
First Sem. 2001-2002	85	23	27
Second Sem. 2001-2002	100	27	39
First Sem. 2002-2003	69	25	35
Second Sem. 2002-2003	46	20	22
First Sem. 2003-2004	02	02	02
Second Sem. 2003-2004	59	22	27
First Sem. 2004-2005	43	11	16
Second Sem. 2004-2005	88	20	32
First Sem. 2005-2006	46	16	19
Second Sem. 2005-2006	95	22	31
First Sem. 2006-2007	50	18	24
Second Sem. 2006-2007	111	30	47
First Sem. 2007-2008	55	23	31
Second Sem. 2007-2008	129	41	67
First Sem. 2008-2009	63	35	53
Second Sem. 2008-2009	174	48	84
First Sem. 2009-2010	38	18	21
Second Sem. 2009-2010	146	40	78
First Sem. 2010-2011	63	29	41
Second Sem. 2010-2011	181	42	96
First Sem. 2011-2012	78	29	44
Second Sem. 2011-2012	230	40	105
First Sem. 2012-2013	72	22	34
Second Sem 2012-2013	217	16	75
First Sem 2013-2014	2	4	2
Second Sem 2013-2014	217	35	88
First Sem 2014-2015	0	0	0

+ It may be noted that the faculty members and PS stations indicated in this table are common to that of integrated First Degree PS-II Programme and thus numbers shown under the columns 3 and 4 are subsets of the respective columns of table "PRACTICE SCHOOL - II FOR INTEGRATED FIRST DEGREE" given above.

FACILITIES AVAILABLE AT PS-II STATIONS DURING THE YEAR 2014

S.No.	PS-II Station	Out of pocket Allowance (Rs. Per Month)	Accommodation provided	Other
AHMEDABAD				
1	Skyquest Technology Consulting Pvt. Ltd.	Rs. 5,000/- p.m.	No	No
2	HILTI India Pvt. Ltd.	Rs. 15,000/- p.m.	No	No
AURANGABAD				
3	Skoda Auto India Pvt. Ltd	Rs.8,000/- p.m.	No	No
4	Wockhardt Research Centre	Rs. 7000/- p.m.	No	No
BANGALORE				
5	Altair Engineering India Pvt. Ltd.	Rs. 15100/- p.m.	No	No
6	Amadeaus Software Labs India Pvt. Ltd.	Rs. 18000/- p.m.	No	No
7	Amazon Development Centre	Rs. 30000/- p.m.	Accommodation provided for initial 7 days as a part of the relocation policy at no cost	No
8	Analog Devices	Rs. 20000/- p.m.	No	Sodexo Coupons worth Rs.1100 provided per month. Third AC train fare to and fro.
9	ANZ Grindlays	Rs. 10000/- p.m.	Accommodation initial 15 days	1st class train fare to Bangalore
10	Apigee	Rs. 25000/- p.m.	No	No
11	Appcito Networks Pvt.Ltd.	Rs. 15000/- p.m.	No	No
12	APTEAN	Rs. 25000/- p.m.	No	No
13	ARM	Rs. 20000/- p.m.	No	No
14	Aruba Networks	Rs. 25000/- p.m.	No	No
15	Arvind Internet	Rs. 25000/- p.m.	No	No
16	Azul Systems	Rs. 25000/- p.m.	No	No
17	Beckman Coulter (formerly ReaMetrix India P Ltd)	Rs. 15000/- p.m.	For Both Boys and Girls 1 week accommodation provided on arrival at Bangalore.	Reimbursement of local conveyance on that day from airport to hotel
18	Biocon	Rs. 10000/- p.m.	No	No
19	Blue Tree Consultancy Services Pvt. Ltd.	Rs. 15000/- p.m.	No	No
20	Bidgely	Rs. 20000/- p.m.	No	No
21	Blue Jeans Network India Pvt. Ltd.	Rs. 25000/- p.m.	No	a)Flight Tickets To & From home town to Bangalore b)Taxi Pick and drop for those residing beyond 10 kms from the office
22	Bosch	Rs. 15000/- p.m.	No	No
23	Broadcom India Pvt Ltd	Rs. 24000/- p.m.	No	No
24	CA Technologies	Rs. 20000/- p.m.	Accommodation at Bangalore for first 15 days.	Food coupons of INR 1100/- per month
25	Centre for Artificial Intelligence & Robotics	Rs. 8000 (Scholarship)	No	No
26	CSIR-National Aerospace Laboratories	Rs. 8000 (Scholarship)	No	No
27	CIREL Systems	Rs. 20000/- p.m.	No	No
28	Cosmic Circuits Pvt. Ltd.	Rs. 15000/- p.m.	No	No
29	CSR	Rs. 22000/- p.m.	No	No

S.No.	PS-II Station	Out of pocket Allowance (Rs. Per Month)	Accommodation provided	Other
30	Derrick Petroleum	Rs. 20000/- p.m.	No	No
31	Dell R&D	Rs. 25000/- p.m.	No	No
32	DreamWorks Animation	Rs. 35000/- p.m.	No	Company provided shuttle (bus) service for local commute within Bangalore Company provided pick-up and drop service if required to work off-business hours.
33	EBay India Development Centre	Rs. 50,000/- p.m.	At No Cost for few days	No
34	EMC	Rs. 25000/- p.m.	No	No
35	EnSci - A Unit of Weir Minerals India Pvt. Ltd.	Rs. 7000/- p.m.	No	No
36	Ericsson Global India Pvt Ltd	Rs. 20000/- p.m.	No	No
37	Ernst & Young Pvt. Ltd.	Rs. 15500/- p.m.	No	No
38	Exotel Techcom Pvt. Ltd.	Rs. 5000/- p.m.	No	No
39	Fiber Link	Rs. 27000/- p.m.	No	No
40	Fabmart	Rs. 40000/- p.m.	No	No
41	Fiorano Software Technologies Pvt. Ltd.	Rs. 20000/- p.m.	No	No
42	Flipkart Online Services Pvt. Ltd	Rs. 25000/- p.m.	No	Rs. 20000 for travel and accommodation.
43	Genpact Analytics ⁺	Rs. 12000/- p.m.	No	No
44	GE John F Welch Technology Centre	Rs. 10500/- p.m.	No	No
45	Global Logic	Rs. 15000/- p.m.	No	No
46	Goldman Sachs India Pvt. Ltd.	Rs. 15500/- p.m.	For Both Boys and Girls Outstation candidates will be provided initial 7 days accommodation	One time to & from economy airfare to Bangalore
47	Hilti	Rs. 15000/- p.m.	No	No
48	HSBC	Rs. 22500/- (HD)	No	No
49	ILabs	Rs. 30000/- p.m.	No	III AC train fare provided one way
50	Icicle Technologies Pvt. Ltd.	Rs. 30000/- p.m.	No	No
51	Infinera	Rs. 30000/- p.m.	No	No
52	Informatica Business Solutions Pvt Ltd	Rs. 30000/- p.m.	No	No
53	InMobi	Rs. 20000/- p.m.	No	No
54	Intel India Technology Pvt. Ltd.	Rs. 22000/- p.m.	No	To and Fro Airfare
55	ITW	Rs. 10000/- p.m.	No	No
56	JDA Software Solutions	Rs. 18000/- p.m.	No	No
57	J.P.Morgan Chase	Rs. 15000/- p.m.	No	No
58	KPMG	Rs. 15000/- p.m.	No	No
59	Lantiq India Pvt. Ltd.	Rs. 20000/- p.m.	No	No
60	LSI Research & Development Pvt. Ltd.	Rs. 22000/- p.m.	No	No
61	MarketShare Infotech India Pvt. Ltd.	Rs. 45000/- p.m.	No	No
62	Magnet Works	Rs. 15000/- p.m.	No	No
63	Media Iq Digital	Rs. 20000/- p.m.	No	No
64	Mercedes Benz	Rs. 12000/- p.m.	No	No
65	Mu Sigma Business Solutions	Rs. 10000 (Tentative)	No	No
66	National Centre for Biological Sciences	Rs. 8000 (Scholarship)	No	No
67	National Entrepreneurship Network	Rs. 15000/- p.m.	No	No
68	National Instruments Systems (India) Pvt. Ltd.	Rs. 20000/- p.m.	No	No

S.No.	PS-II Station	Out of pocket Allowance (Rs. Per Month)	Accommodation provided	Other
69	NetApp	Rs. 25000/- p.m.	For Both Boys and Girls At No Cost for 20 days	No
70	NetSkope Software India Pvt. Ltd.	Rs. 36000/- p.m.	No	No
71	Nutanix Technologies India Pvt. Ltd.	Rs. 55000/- p.m.	No	No
72	Nvidia Graphics Pvt. Ltd.	Rs. 25000/- p.m.	For Both Boys and Girls at no cost for 14 days from joining.	Airfare- one way from respective location to Bangalore Free cab / shuttle facility available Gear store – free nvidia goodies
73	Oracle India Pvt. Ltd.	Rs. 25000/- p.m.	No	No
74	Optumsoft Research Pvt Ltd	Rs. 27000/- p.m.	No	No
75	Polycom Technology (R&D) Centre Pvt. Ltd.	Rs. 15000/- p.m.	No	No
76	Practo Technologies Pvt. Ltd.	Rs. 20000/- p.m.	No	No
77	Pantaloons Fashion & Retail Ltd.	Rs. 10000/- p.m.	No	No
78	Parsons Brinckerhoff	Rs. 10,000/- p.m.	No	No
79	Philips Research Asia	Rs. 15000/- p.m.	No	No
80	Qualcomm	Rs. 20000/- p.m.	No	No
81	Sabre Holdings(Formerly Sabre Travels)	Rs. 25000/- p.m.	No	No
82	SAP Labs	Rs. 25000/- p.m.	No	No
83	SAMSUNG India Software Operations	Rs. 25000/- p.m.	No	Onward and Return Economy airfare over and above 500 kms from Bangalore OR 1st class A/C train fare up to 500 kms of distance from Bangalore
84	Sevenion Software Systems Pvt. Ltd.	Rs. 25000/- p.m.	No	No
85	Satvva Media & Consulting Pvt Ltd	Rs. 9000/- p.m.	For Both Boys and Girls Help will be provided to arrange accommodation	Reimbursement of actual fare during the field trips
86	Siemens Corporate Research & Technologies	Rs. 20000/- p.m.	No	No
87	Shell	Rs. 20000/- p.m. (Tentative)	No	No
88	SIRIUS Embedded Software (P) Ltd.	Rs. 10000/- p.m.	No	No
89	Syniverse Technologies	Rs. 20000/- p.m.	No	No
90	Tangoe India Softek Pvt Ltd	Rs. 25000/- p.m.	No	No
91	TAS Analytic Services	Rs. 12000/- p.m. (Tentative)	No	No
92	Tejas Networks	Rs. 18000/- p.m.	No	No
93	TESCO	Rs. 20000/- p.m.	No	No
94	Tetcos	Rs. 15000/- p.m.	No	No
95	Texas Instruments (I) Pvt. Ltd.	Rs. 25000/- p.m.	No	No
96	Tonbo Imaging Pvt Ltd.	Rs. 28000/- p.m.	No	No
97	Unilever Research	Rs. 8000/- p.m.	No	No
98	Walmart Global Technology Services	Rs. 30000/- p.m.	No	No
99	VMware	Rs. 30000/- p.m.	No	No
100	Zoomcar India Pvt. Ltd.	Rs. 25000/- p.m.	No	No
CHENNAI				
101	Amazon Development Center	Rs. 30000/- p.m.	Help will be provided to arrange accommodation	No
102	ARCIs Centre for Fuel Cell Technology	Rs. 8000 (Scholarship)	No	No

S.No.	PS-II Station	Out of pocket Allowance (Rs. Per Month)	Accommodation provided	Other
103	Central Electronics Engineering Research Institute(Chennai Centre) ⁺	Rs. 800/- p.m. + Rs.7200 Scholarship	No	No
104	CSIR - Central Leather Research Institute ⁺	Rs. 8000 (Scholarship)	No	No
105	Central Scientific Instruments Organisation ⁺	Rs. 8000 (Scholarship)	No	No
106	Ernst & Young Pvt. Ltd.	Rs. 15000/- p.m.	No	No
107	Healthcare Technology Innovation Centre (HITC)	Rs. 10000/- p.m. Rs. 12000/- p.m (HD)	No	No
108	Histogenetics	Rs. 10000/- p.m.	No	No
109	HILTI India Pvt. Ltd.	Rs. 15000/- p.m.	No	No
110	LatentView Analytics	Rs. 15000/- p.m.	No	No
111	Paypal	Rs. 50000/- p.m.	No	No
112	Ramco Systems	Rs. 20000/- p.m.	No	No
113	Rane Madras Ltd	Rs. 8000/- p.m.	No	No
114	Sankar Nethralaya	Rs. 5000/- p.m.	No	No
115	Structural Engineering Research Centre	Rs. 8000 (Scholarship)	No	No
COCHIN				
116	Ernst & Young L.L.P.	Rs. 15000/- p.m.	No	No
COIMBATORE				
117	L&T	Rs.6,000/- p.m.	No	No
DAHEJ (GUJARAT)				
118	Birla Copper	Rs. 4,500/- p.m.	No	No
DEHRADUN				
119	Indian Institute of Petroleum	Rs. 2,000/- p.m. + Rs. 6000 Scholarship	No	No
DELHI				
120	anovIP	Rs. 8000/- p.m.	No	No
121	Central Road Research Institute	Rs. 8000/- p.m.	No	No
122	Consilium	Rs. 25000/- p.m.	No	No
123	Deloitte Consulting India Pvt. Ltd	Rs. 12000/- p.m.	No	No
124	EduPristine	Rs. 27500/- p.m.	No	No
125	Grey Orange Robotics Pvt. Ltd.	Rs. 35000/- p.m.	No	No
126	HILTI India Pvt. Ltd.	Rs. 15000/- p.m.	No	No
127	National Council of Applied Economic Research	Rs. 6500/- p.m. + Rs. 1500 Scholarship	No	No
128	National Institute of Science and Tech. Dev. Studies (NISTADS)	Rs. 3000/- p.m. + Rs. 5000 Scholarship	No	No
129	Value Edge India	Rs. 15000/- p.m.	No	No
FARIDABAD				
130	Rite Infotech Pvt Ltd	Rs.12,000/- p.m.	No	No
GOA				
131	Aditya Birla Management Corporation Pvt. Ltd.	Rs. 17,500/- p.m.	No	No
132	Crompton Grievs PPI adhesive products Ltd	Rs. 5,000/- p.m.	No	No
133	Pentair Water India Pvt. Ltd.	Rs. 5,000/- p.m.	No	No
134	GMI Zarhak Moulders Pvt. Ltd.	Rs. 5,000/- p.m.	No	No
135	IFB Global	Rs. 10,000/- p.m.	No	No
136	Persistent System	Rs. 12,000/- p.m.	No	No
GREATER NOIDA				
137	ST Microelectronics(I) Pvt.Ltd.	Rs.18,000/- p.m.	No	No
GURGAON				
138	Aurum Equity Partners	Rs.15000/- p.m.	No	Reimbursement of actual fare during the

S.No.	PS-II Station	Out of pocket Allowance (Rs. Per Month)	Accommodation provided	Other
				field trips
139	Boxbeat Technologies Pvt. Ltd.	Rs.8000/- p.m.	No	No
140	Bharti Soft Bank	Rs.25000/- p.m.	No	No
141	Comverse Network System Pvt. Ltd	Rs.30000/- p.m.	No	No
142	Ericsson Global India Pvt. Ltd.	Rs.20000/- p.m.	No	No
143	Ernst & Young Pvt. Ltd.	Rs.15000/- p.m.	No	No
144	Hike	Rs.30000/- p.m.	No	No
145	Jabong	Rs.20000/- p.m.	No	No
146	KPMG	Rs.15000/- p.m.	No	No
147	Mahle Filters India Ltd	Rs.8000/- p.m.	No	No
148	Pantaloons Fashion & Retail Ltd.	Rs.10000/- p.m.	No	No
149	Paxcel Technologies	Rs.20000/- p.m.	No	No
150	Reckitt Benckiser	Rs.25000/- p.m.	No	No
151	Sagacious Research	Rs.12000/- p.m.	No	No
152	SRF Ltd.	Rs.12000/- p.m.	For Both Boys and Girls Accommodation is charged @ Rs. 4200/- p.m. + Electricity and Water Charges as per actual consumption.	Transport to Office will be provided by Company Bus subject to availability of seats, within Gurgaon.
153	UOP India Pvt Ltd (A Honeywell company)	Rs.20000/- p.m.	No	No
154	Tata Consultancy Services	Rs.15000/- p.m.	No	No
HALOL (Baroda)				
155	Aditya Birla Insulator	Rs.6,800/- p.m.	No	No
HOSUR				
156	FRRTL	Rs.10,000/- p.m.	No	No
HYDERABAD				
157	Aditya Birla Management Corporation Pvt. Ltd.	Rs. 17500/- p.m.	No	No
158	Accendo Technologies Pvt. Ltd	Rs. 10000/- p.m.	No	No
159	Amazon Development Center	Rs. 30000/- p.m.	No	No
160	Bharat Dynamics Ltd. (BDL)*	Rs. 5000/- p.m.	No	No
161	Bravo Lucy	Rs. 30000/- p.m.	No	No
162	Broadcom India Pvt. Ltd.	Rs. 22000 /- p.m.	No	No
163	BT & BT Management Consultancy Pvt. Ltd.	Rs. 10000/- p.m.	No	No
164	Centre for DNA Fingerprinting and Diagnostics	Rs. 8000/- p.m. (Scholarship)	No	No
165	Covidien Engineering Services Pvt. Ltd.	Rs. 15000/- p.m.	No	No
166	CMC Ltd	Rs. 8000/- p.m.	No	No
167	Fiorano Software Technologies Pvt. Ltd.	Rs. 20000/- p.m.	No	No
168	GE John F Welch Technology Centre	Rs. 8000/- p.m.	No	No
169	IMI Mobile	Rs. 18000/- p.m.	No	No
170	Indian Institute of Chemical Technology	Rs. 8000 (Scholarship)	No	No
171	Informatica Business Solutions Pvt Ltd	Rs. 30000/- p.m.	No	No
172	IndustryARC	Rs. 7000/- p.m.	No	No
173	Inside View	Rs. 35000/- p.m.	No	No
174	International Advanced Research Centre for Powder Metallurgy and New Materials	Nil	No	No
175	JDA Software Solutions	Rs. 18000/- p.m.	No	No
176	Jord International	Rs. 12000/- p.m.	No	No
177	My smart price	Rs. 20000/- p.m.	No	No
178	Microsemi India Pvt Ltd	Rs. 20000/- p.m.	No	No
179	MXIT	Rs. 21000/- p.m.	No	No

S.No.	PS-II Station	Out of pocket Allowance (Rs. Per Month)	Accommodation provided	Other
180	Mylan Labs Ltd. (formerly Matrix Labs Ltd.)	Rs. 5000/- p.m, Rs. 6000/- p.m.(HD)	No	No
181	Novartis	Rs. 18000/- p.m.	No	No
182	Nuevosol Energy Pvt. Ltd.	Rs. 7000/- p.m.	No	No
183	Nvidia Graphics Pvt. Ltd.	Rs. 25000/- p.m.	No	No
184	Oracle India Pvt Ltd.	Rs. 25000/- p.m.	No	No
185	Polmon	Rs. 7000/- p.m.	No	No
186	Polycom Technology (R&D) Centre Pvt. Ltd.	Rs. 15000/- p.m.	No	No
187	Puzzolana Machinery Fabricators Engineering Ltd.	Rs. 5000/- p.m.	No	No
188	Sandilya Consulting Engineers	Rs. 5000/- p.m.	No	No
189	Salesforce.com	Rs. 25000/- p.m.	No	No
190	Signode India Ltd.,Rudraram	Rs. 10000/- p.m.	No	No
191	Silicon Image R&D Pvt Ltd	Rs. 20000/- p.m.	No	No
192	Tech Vedika Software Pvt. Ltd.	Rs. 15000/- p.m.	No	No
193	Vasant Chemicals and Organics Ltd.	Rs. 3000/- p.m.	No	No
194	Worley Parsons India	Rs. 16000/- p.m.	No	No
Indore				
195	Prataap Snacks Factory	Rs. 20000/- p.m.	No	No
JAIPUR				
196	Stellarix Consultancy Services Pvt Ltd	Rs. 10000/- p.m.	No	No
197	NBC Bearings	Rs. 4000/- p.m.	No	No
198	NK Buildcon	Rs. 7500/- p.m.	Company will care take of the stay expenses at Surendranagar(roughly 2 months in Jaipur and 2 months in Surendranagar).	No
JODALI (KARNATAKA)				
199	Spicer India Ltd	Rs.8,000/- p.m.	No	No
KALYAN (Mumbai)				
200	Century Rayon +	Rs.6,000/- p.m.	No	No
KOLKATA				
201	Tega Industries Ltd.	Rs. 15000/- p.m.	Only For Boys Accommodation will be provided accommodation subject to availability during time of joining.	No
202	BOC India Ltd.	Rs. 6500/- p.m.	No	Food coupons worth rs. 750/- per month given to students
203	Development Consultants Pvt. Ltd. (DCPL)+	Rs. 9000/- p.m.	No	No
204	TEXMACO+	Rs. 3000/- p.m.	Only For Boys Furnished Accommodation With TV And Ac.	No
205	LINDE INDIA LIMITED	Rs. 6500/- p.m.	No	Food coupons worth Rs. 750/- provided to students per month. If sent on deputation to site offices, lodging and boarding are free of cost.

S.No.	PS-II Station	Out of pocket Allowance (Rs. Per Month)	Accommodation provided	Other
KOTA				
206	Chambal Fertilizers and Chemicals Ltd.	Rs 7500/- p.m.	No	No
MOHALI				
207	Paxcel Technologies	Rs. 20000/- p.m.	No	No
MUMBAI				
208	Aditya Birla Corporate IT	Rs. 15000/- p.m.	No	No
209	Aditya Birla Corporate World Class Manufacturing	Rs. 8500/- p.m.	No	No
210	Aditya Birla Science & Technology Company Ltd.	Rs. 8500/- p.m.	No	No
211	Carwale (Automotive Exchange Pvt. Ltd.)	Rs. 15000/- p.m.	No	No
212	CMC Ltd.*	Rs. 8000/- p.m.	No	No
213	Credit Suisse	Rs. 25000/- p.m.	No	No
214	DBOI (Deutsche Bank)	Rs. 15000/- p.m.	No	No
215	Deloitte Consulting India Pvt. Ltd	Rs. 12000/- p.m.	No	No
216	Development Consultants Pvt. Ltd. (DCPL)	Rs. 8500/- p.m.	No	No
217	Dow Chemical International Pvt Ltd	Rs. 15000/- p.m.	No	No
218	Dorsch Consult (India) Pvt. Ltd.	Rs. 12000/- p.m.	No	No
219	EduPristine	Rs. 27500/- p.m.	No	No
220	Ernst & Young Pvt Ltd.	Rs. 15000/- p.m.	No	No
221	Godrej	Rs. 10000/- p.m.	No	No
222	Geometric Limited	Rs. 12000/- p.m.	No	No
223	Hilti	Rs. 15000/- p.m.	No	No
224	Hourglass Research	Rs. 15000/- p.m.	No	No
225	J.P. Morgan Services India Pvt. Ltd	Rs. 30000/- p.m.	No	No
226	J.P.Morgan Chase	Rs. 15000/- p.m.	No	No
227	KPMG	Rs. 15000/- p.m.	No	No
228	Morgan Stanley Advantage Services	Rs. 30000/- p.m.	No	No
229	Mayuresh Group	Rs. 10000/- p.m.	No	No
230	Morningstar	Rs. 30000/- p.m.	No	No
231	MSCI Bara Client Services	Rs. 30000/- p.m.	No	No
232	MSCI Barra, Data Management	Rs. 30000/- p.m.	No	No
233	MSCI Barra, Quantitative Equity Research	Rs. 30000/- p.m.	No	No
234	MSCI Financial Planning & Analysis	Rs. 30000/- p.m.	No	No
235	MSCI Index and Research	Rs. 30000/- p.m.	No	No
236	MSCI Technology & Development	Rs. 30000/- p.m.	No	No
237	National Stock Exchange of India Ltd.	Rs. 12000/- p.m.	No	No
238	Netcore Solutions	Rs. 20000/- p.m.	No	No
239	NOKIA - Location & Commerce (Formerly Navteq)	Rs. 20000/- p.m.	No	No
240	Skoda Auto India Pvt. Ltd.	Rs. 14000/- p.m.	No	No
241	Pantaloons Fashion & Retail Ltd.	Rs. 10000/- p.m.	No	No
242	UltraTech Cement Ltd.	Rs. 10000/- p.m.	No	No
243	Vakilmehtasheth	Rs. 10000/- p.m.	No	No
244	Wootify	Rs. 20000/- p.m.	No	No
245	Worley Parsons	Rs. 19000/- p.m.	No	No
NAGDA				
246	Grasim Chemicals +	Rs.5,000/- p.m.	No	No
247	Grasim Industries Ltd +	Rs.5,000/- p.m.	No	No
NAGPUR				
248	Global Logic+	Rs. 15000/- p.m.	No	No
249	Skyline Consulting Engrs Pvt. Ltd.	Rs. 5000/- p.m.	No	No
250	Tecture Structures Pvt. Ltd.+	Rs. 5000/- p.m.	No	No

S.No.	PS-II Station	Out of pocket Allowance (Rs. Per Month)	Accommodation provided	Other
MARKETPALLY				
251	Oil Country Tubular Ltd.	Rs.10,000/- p.m.	No	No
NOIDA				
252	Alliance Infotech	Rs. 14000/- p.m.	No	No
253	Atrenta India Pvt. Ltd.	Rs. 15000/- p.m.	No	No
254	Adobe	Rs. 30000/- p.m.	Initial 2 weeks provided accommodation at guest house	No
255	CSR Ltd.	Rs. 22000/- p.m.	No	No
256	Global Logic	Rs. 15000/- p.m.	No	No
257	Lexinnova	Rs. 12000/- p.m.	No	No
258	Opera Solutions	Rs. 30000/- p.m.	No	To and fro travel reimbursement between Pilani and Delhi/NCR
259	Synopsys	Rs. 25000/- p.m. Rs. 30000/- p.m. (HD)	No	No
PANTH NAGAR (GUJARAT)				
260	Spicer India Ltd.	Rs. 8000/- p.m.	No	No
PILANI				
261	Aditya Birla Management Corporation Pvt. Ltd.	Rs. 17,500/- p.m.	No	No
262	Central Electronics Engineering Research Institute +	Rs. 2,000/- p.m. + Rs. 6000 Scholarship	No	No
PUNE				
263	AutoDesk	Rs. 15000/- p.m.	No	No
264	Avaya India	Rs. 15000/- p.m.	No	No
265	B.G.Shirke Construction Technology Pvt. Ltd.	Rs. 9000/- p.m.	No	No
266	Batelle Science and Technology India Pvt Ltd	Rs. 16500/- p.m.	Initial accommodation (3-5 days) may be provided to students on a shared (double occupancy) basis upon request. Initial accommodation will only be provided to non-local student.	No
267	Behr India Ltd	Rs. 8000/- p.m.	No	No
268	Bharat Forge Ltd.*	Rs. 5000/- p.m.	No	No
269	Cadence	Rs. 18000/- p.m.	No	No
270	Credit Suisse	Rs. 25000/- p.m.	No	No
271	Centre for Development of Advanced Computing	Rs. 10000/- p.m.	No	No
272	Chrysler India Automative	Rs. 8000/- p.m.	No	No
273	Divgi Warner (P) Limited*	Rs. 10500/- p.m.	No	No
274	Eaton Technologies	Rs. 10500/- p.m.	No	No
275	FAB India	Rs. 25000/- p.m.	No	No
276	Gabrel India Ltd	Rs. 8000/- p.m.	No	No
277	Halliburton Technology Center	Rs. 12000/- p.m.	No	No
278	IDeaS - SAS	Rs. 25000/- p.m.	Help will be provided to find the good accommodation near to the company.	Employees have to pay approx. Rs. 1,800 per month for the transport facility.
279	ishwar Parmar Group	Rs. 8000/- p.m.	No	No
280	LSI Research & Development Pvt. Ltd.	Rs. 22000/- p.m.	No	No
281	Lupin Research Park	Rs. 6500/- p.m.	No	No

S.No.	PS-II Station	Out of pocket Allowance (Rs. Per Month)	Accommodation provided	Other
282	Mahle Filters India Ltd	Rs. 8000/- p.m.	No	No
283	National Chemical Laboratory ⁺	Nil	No	No
284	Nvidia Graphics Pvt. Ltd.	Rs. 25000/- p.m.	No	No
285	Reflexis Systems India Pvt Ltd.	Rs. 20000/- p.m.	No	No
286	SKF India Ltd. ⁺	Rs. 6000/- p.m.	No	No
287	Skoda Auto India Pvt. Ltd. (Chakan)	Rs. 12000/- p.m.	No	No
288	Spicer India Ltd.	Rs. 8000/- p.m.	No	No
289	Tata Autocomp Systems Ltd.	Rs. 12000/- p.m.	No	No
290	Tata Motors	Rs. 5000/- p.m.	No	No
291	Tata Technologies	Rs. 12000/- p.m.	No	No
292	Tensilica	Rs. 18000/- p.m.	No	No
293	Thermax Ltd. ⁺	Rs. 5000/- p.m.	No	No
294	Victor Gaskets India Ltd.	Rs. 8000/- p.m.	No	No
ROORKEE				
295	Central Building Research Institute	Rs. 4,000/- p.m. + Rs.4000 Scholarship	No	No
SECUNDERABAD				
296	RSV Construction Pvt. Ltd.	Rs. 2000/- p.m.	No	No
SURAT				
297	Ace Business and Market Research Group	Rs. 10000/- p.m.	No	No
SATARA				
298	Spicer India Ltd.	Rs.8,000/- p.m.	No	No
SIRSI				
299	Divgi Warner (P) Ltd	Rs.10,000/- p.m.	No	No
TRIVANDRUM				
300	Centre for Development of Imaging Technology (C-DIT) ⁺	Rs.5,000/- p.m.	No	No
301	SunTec Business Solutions Pvt. Ltd.	Rs.10,000/- p.m.	No	No
302	Law Pandits	Rs.10,000/- p.m.	No	No
303	Klientas	Rs. 10,000/- p.m.	No	No
THAILAND				
304	Aditya Birla Chemicals Ltd	5,000(Thai Bhat)	No	No
UDAIPUR				
305	Hindustan Zinc Limited, Chittorgarh ⁺	Rs. 6,000/-p.m.	No	No
VALSAD				
306	Atul Ltd.	Rs.8,000/- p.m.	No	No
VIJAYANAGAR				
307	JSW Steel Ltd., Vijayanagar Works ⁺	Rs.5,000/- p.m.	No	No

+Stations hosting PS-I also

*Faculty looking after more than one PS-II Station

LIST OF PROJECT ASSIGNMENTS FOR SECOND SEMESTER 2013-2014

1. **HILTI INDIA PVT. LTD, AHMEDABAD**
 1. A HILTI PERSPECTIVE: CONSTRUCTION TRADE STRATEGY AND APPLICATION DEEP DIVE IN INTERIOR FINISHING.
 2. UNDERSTANDING, ANALYZING AND STRATEGIZING THE RESIDENTIAL SEGMENT OF AHMEDABAD FROM HILTI STAND POINT.
2. **SKYQUEST TECHNOLOGY CONSULTING PVT. LTD, AHMEDABAD**
 3. TECHNOLOGY LANDSCAPING METHODOLOGY AND EXECUTION, PATENT LANDSCAPING, ANALYSIS AND ITS METHODOLOGY.
 4. CAPACITY BUILDING PROGRAM FOSTERING RESEARCH & ENTREPRENEURSHIP WITH SUSTAINABLE TOMORROW TECHNOLOGY LANDSCAPE THE COMPETITIVE ADVANTAGE FOR A COMPANY
 5. BASIC ENGINEERING DESIGN PLANNING (BEDP) & TECHNOLOGY TRANSFER (TT)
 6. PRIMARY AND SECONDARY MARKET RESEARCH ON POLYURETHANE DISPERSIONS FOR SPECIFIED USES
3. **SKODA AUTO INDIA PVT. LTD, AURANGABAD**
 7. NVA ACTIVITIES IDENTIFICATION AND REDUCTION
 8. FIELD FAILURE MONITORING OF 100% SKODA OCTAVIA A7 FROM TWO DEALER OPERATING SYSTEMS & ANALYSIS OF LINE BALANCING FOR AUDI A6 LINE
4. **WOCKHARDT RESEARCH CENTRE, AURANGABAD**
 9. DEVELOPMENT AND EVALUATION OF PUSH-PULL OSMOTIC DELIVERY SYSTEM OF AN ANTI-DIABETIC AGENT
 10. FORMULATION AND DEVELOPMENT OF CANDIDATE DRUG FOR COLON TARGETED DRUG DELIVERY SYSTEM.
 11. PRODUCT AND PROCESS DEVELOPMENT OF MODEL CEPHALOSPORIN DRUG USING QUALITY RISK MANAGEMENT BY QUALITY BY DESIGN (QBD)
 12. DESIGN, DEVELOPMENT AND EVALUATION OF CONTROLLED RELEASE MULTIPARTICULATE SYSTEM FOR ANTI-ULCER DRUG
 13. FORMULATION DEVELOPMENT AND EVALUATION OF MODIFIED RELEASE CENTRALLY ACTING SKELETAL MUSCLE RELAXANT
5. **ALTAIR ENGINEERING INDIA PVT. LTD, AURANGABAD**
 14. DESIGNING AND ANALYSIS OF HEAVY VEHICLE STEERING AND SUSPENSION SYSTEM
 15. EPM WEB SERVICE TESTING AUTOMATION AND VALIDATION OF ENTERPRISE PORTAL
 16. AUTOMATED LEAF SPRING MODELLING VALIDATION OF MULTI-BODY DYNAMIC ENTITIES IN FINITE ELEMENT DOMAIN
 17. DEVELOPMENT OF PROCESS MANAGER TEMPLATE FOR LOADCASE SETUP (LCS) FEATURE OF SQUEAK AND RATTLE DIRECTOR(SNRD)
 18. PROCESS AUTOMATION OF THE SIMULATION OF ROAD-SECTION USING RADIOSS SOLVER
 19. DEVELOPMENT OF GRAPHICAL USER INTERFACE AND MODEL SIMPLIFICATION IN HYPERCRASH
 20. INTERFACE DEVELOPMENT AND AEROSPACE TOOLS ENHANCEMENT IN HYPERMESH
 21. HYPERCRASH AUTOMATION
6. **AMAZON DEVELOPMENT CENTRE, BANGALORE**
 22. AMAZON PAYMENTS PORTAL (SANDBOX) DEVELOPMENT
 23. SCALABLE DEVICE CLOUD ARCHITECTURE
 24. CHANGE MANAGEMENT AUTOMATION
 25. IMPROVING SIMS ALGORITHM [USED FOR GIVING SHOE SIZE RECOMMENDATIONS] & UNIT TESTING FOR BASELINE AND MOSAIC
 26. APP INTROSPECTION CONSOLE
 27. COMPLETENESS API, SYNC COPY OF PRIMARY TABLE
 28. IMPLEMENT THE CATALOGUE QUALITY HEALTH DASHBOARD AND LOOP CLOSURE FOR AUDITS FEATURE FOR THE CATALOGUE QUALITY TEAM
 29. USER INTERFACE FOR SELLER TRANSITION STATES
 30. FRAUDULENT APP DETECTION AND CATALOG QUALITY IMPROVEMENT
 31. DEVELOPMENT OF ATTRIBUTE AUGMENTATION TOOL
 32. SELLER INFO PAGE ON JUNGLEE.COM
 33. AUTOMATION OF MANUAL CONFIGURATION TASKS THROUGH CATEGORY CONFIGURATION MANAGER
 34. APPLICATION VISIBILITY DURING INGESTION PROCESS IN AMAZON APPSTORE
 35. CREATING A NOTIFIER FOR LIGHTNING DEAL REDEMPTION FOR MOBILE AND TABLET APP
 36. AMAZON PRODUCT ADS POLICING DEFECT RATE DASHBOARD

- 37. DEVELOPMENT OF ONCALL TOOL AND PERFORMANCE MONITORING OF WEB SERVICES
 - 38. WEEKEND DEALS EMAIL PROGRAM
 - 39. LOAD TESTING OF A WEB SERVICE AND ON CALL TOOL INTEGRATION
 - 40. TEXTTRACE - PAYMENT FAILURE SMS
 - 41. BUILDING POLICING SYSTEM FOR JUNGLEE'S BUSINESSES NEARBY ON INVESTIGATOR WORKBENCH
 - 42. MIGRATION OF TIMESHEET APPLICATION FROM CLASSIC HOST TO EC2
 - 43. CHROME INTERPRETER DEVELOPMENT FOR AMAZON INSTANT VIDEO
 - 44. REFERENCE SITE FOR SIMPLIFIED PAYMENT INTEGRATION
 - 45. AUTOMATED ASIN SELECTION AND MARKET PLACE PROMOTION PROPOSAL TOOL
 - 46. SELECTION INGESTION USING MAGENTO BASED NON-CRAWLING MECHANISM
 - 47. DYNAMIC CONFIGURATION CONTROL FOR WIDGET SERVER
 - 48. SPLIT PANE HTML WISH LIST ON AMAZON IPAD APP
- 7. ANALOG DEVICES, BANGALORE**
- 49. LOW POWER DIGITAL SIGNAL PROCESSING FOR MEMS ASIC
 - 50. VERIFICATION OF NEXT GENERATION DSP PROCESSOR
 - 51. VERIFICATION OF DIGITAL IC COMPONENTS
 - 52. DEVELOPMENT OF GUI FOR LCD DISPLAY USING MICRIUM GRAPHICS LIBRARY
- 8. ANZ GRINDLAYS, BANGALORE**
- 53. PROCESSES OVERVIEW: GLOBAL RECONCILIATION. MACRO CREATION
 - 54. STRUCTURED TRADE FINANCE LOAN
 - 55. OPERATIONS FRAMEWORK OF TRADE AND SUPPLY CHAIN FINANCE
- 9. APIGEE, BANGALORE**
- 56. REDUCTION OF ANALYSIS TIME OF APIGEE CUSTOMER SUPPORT ISSUE
 - 57. QUERY APIS
- 10. ARM, BANGALORE**
- 58. IP VALIDATION AND MODELING ON DEEP SUBMICRON PROCESS NODES
 - 59. AUTOMATION OF VERILOG TIMING TESTBENCH GENERATION
 - 60. IMPLEMENTATION OF CORTEX A53 ON ADVANCED FINFET NODE
 - 61. AUTOMATION FRAMEWORK FOR SYSTEM-ON-CHIP VERIFICATION
 - 62. VALIDATION OF 64-BIT ARM V8 ARCHITECTURE
 - 63. SOFTWARE TESTING OF MEMORY MODEL GENERATORS FOR DFT TOOLS
 - 64. PROCESS TO REPLAY THE VCDs & UPDATING STANDARD CELL FUNCTIONALITY CHECKER
 - 65. TO ADAPT THE EXISTING DESIGN VALIDATION SUITE TESTS TO THE NEWLY FORMED CODING GUIDELINES
- 11. ARUBA NETWORKS, BANGALORE**
- 66. DEVELOPMENT OF SIMULATOR FOR ARUBA INSTANT ACCESS POINT
 - 67. AUTOMATION TESTING OF BOOTLOADER IN ARUBA DEVICES (CONTROLLERS AND SWITCHES)
 - 68. ADDING ARUBA CENTRAL SUPPORT TO SWITCH PLATFORM
 - 69. MANAGING POLICIES ON ARUBA CONTROLLER
- 12. BECKMAN COULTER (FORMERLY REAMETRIX INDIA P LTD), BANGALORE**
- 70. DEVELOPMENT AND VALIDATION OF IMMUNOPHENOTYPING REAGENTS
 - 71. VALIDATION AND MANUFACTURING TECHNIQUES FOR DEVELOPMENT OF BECKMAN COULTER DRIED DOWN REAGENT
- 13. BIOCON, BANGALORE**
- 72. VALIDATION ACTIVITIES WITH THE QUALITY ASSURANCE TEAM AND RISK ASSESSMENT AND FAILURE MODE AND EFFECT ANALYSIS (FMEA) OF MONOCLONAL ANTIBODIES UPSTREAM PROCESS
 - 73. PROCESS DEVELOPMENT FOR ENZYMATIC CONVERSION OF INSULIN ANALOGUE FROM ITS PRECURSOR FORM
- 14. BLUE JEANS NETWORK INDIA PVT. LTD, BANGALORE**
- 74. DEVELOPMENT OF TEST AUTOMATION FRAMEWORK FOR API AUTOMATION OF THE WEB APP
 - 75. DEVELOPMENT OF PRODUCT SIMULATION FRAMEWORK FOR PERFORMANCE TESTING
 - 76. DEVELOPMENT OF TOOLS FOR WEB USER INTERFACE AUTOMATION
 - 77. DEVELOPMENT OF TOOLS FOR AUTOMATED TESTING AND WEB UI AUTOMATED TESTING
- 15. BLUE TREE CONSULTANCY SERVICES PVT. LTD, BANGALORE**
- 78. CONTENT DEVELOPMENT FOR SECONDARY SALES MANAGEMENT AND EMPEXIT
 - 79. ENHANCING THE CONTRACTOR EMPLOYEE MANAGEMENT SYSTEM(CEMS)
 - 80. PRODUCT ENHANCEMENT OF HAPPY VISITOR

16. BOSCH, BANGALORE

- 81. COST-EFFICIENT FUEL INJECTION SYSTEMS
- 82. MONTE-CARLO ANALYSIS OF COMMON RAIL SYSTEM FUNCTIONAL TOLERANCES AND PREDICT WORST-CASE SCENARIO
- 83. 3D CFD ANALYSIS OF COMPONENTS IN IC ENGINE EXHAUST LAYOUT USING OPENFOAM

17. BROADCOM INDIA PVT LTD, BANGALORE

- 84. VERIFICATION OF TEST CASES AT CHIP LEVEL
- 85. VERIFICATION OF REGISTER TEST CASES OF A SYSTEM ON CHIP
- 86. VERIFYING THE INTEGRATION OF POWER MANAGEMENT UNIT (PMU) IN THE CHIP AT RTL AND GATE LEVEL.
- 87. TURNKEY SET TOP BOX SOLUTION FOR SOUTH EAST ASIA MARKETS
- 88. VERIFICATION OF POOLED REQUEST BANK (PRB) OF DMA BLOCK
- 89. EMBEDDED TEST INSERTION INTO A NETLIST
- 90. PERFORMANCE ANALYSIS OF CABLE IMPAIRMENTS
- 91. VERIFICATION OF SUB-BLOCKS IN SYSTEM ON CHIP (SOC)
- 92. PHYSICAL DESIGN FLOW IN IC FABRICATION
- 93. FUNCTIONAL VERIFICATION OF IC DESIGN (BASED ON UVM METHODOLOGY) AND TEAM COLLABORATION SOFTWARE
- 94. VERIFICATION OF V3D GRAPHIC IP AND MODIFICATION OF RANDOM BENCH
- 95. COMPILATION TIME SPEEDUP
- 96. CLOCK DOMAIN CROSSING AND PAD RING DESIGN OF A SYSTEM ONCHIP
- 97. AUDIO ALGORITHM OPTIMIZATION AND TESTING ON SET-TOP BOX CHIP WITH DUAL SIMD CORE
- 98. SDK API INTEGRATION
- 99. AUDIO ALGORITHM OPTIMIZATION AND TESTING ON SET-TOP BOX CHIP WITH DUAL SIMD CORE
- 100. FUNCTIONAL VERIFICATION OF IC DESIGN (BASED ON UVM METHODOLOGY) AND TEAM COLLABORATION SOFTWARE
- 101. POST SILICON VALIDATION
- 102. SOFTWARE TESTING OF NETWORK SWITCH ASIC
- 103. TESTING OF AUDIO DSP SUBSYSTEM

18. CENTRE FOR ARTIFICIAL INTELLIGENCE & ROBOTICS, BANGALORE

- 104. DETECTING STRUCTURED P2P BOTNETS USING GRAPH ANALYSIS AND PROBABILISTIC METHOD
- 105. DESIGN OF AUTOMATED SCOOPING SYSTEM FOR SOIL SAMPLE COLLECTION

19. CIREL SYSTEMS, BANGALORE

- 106. AUTOMATED CURRENT AND VOLTAGE MEASUREMENT BOARD
- 107. DYNAMIC POWER SUPPLY DESIGN USING NON-INVERTING BUCK-BOOST CONVERTER

20. COSMIC CIRCUITS PVT. LTD, BANGALORE

- 108. FPGA BASED VALIDATION PLATFORM FOR USB2 PHY
- 109. SYSTEM SIMULATION USING ALLEGRO SIGRITY TOOLS FOR SI/PI ANALYSIS
- 110. AUTOMATED CHARACTERIZATION OF LDO IP AND IMPLEMENTATION OF LOW POWER AND AREA VOLTAGE REFERENCE CIRCUIT
- 111. FPGA BASED MOBILE APPLICATION SYSTEM

21. CSIR-NATIONAL AEROSPACE LABORATORIES, BANGALORE

- 112. STUDY ON DEVELOPMENT OF ZINC NICKEL ALLOY COATINGS
- 113. Å WEAR TESTING OF NICKEL TERNARY ALLOYS
- 114. VARIATION OF ROUGHNESS AND MEASUREMENT OF SURFACE ENHANCED RAMAN SPECTROSCOPY (SERS) ON DIFFERENT ENGINEERED SURFACES.
- 115. OXIDATION BEHAVIOUR OF GRAPHENE THIN FILMS
- 116. ISOTROPIC ETCHING OF SILICON TO FORM NANO STRUCTURES

22. CSR, BANGALORE

- 117. BLUE SMART APPLICATION DEVELOPMENT
- 118. WLAN TESTING OF WI-FI DIRECT FEATURE

23. DELL R&D, BANGALORE

- 119. SYSTEM CENTER LC ORCHESTRATOR INTEGRATION PACK
- 120. CONFIGURABLE INVENTORY MODULES
- 121. DETECTING UNTESTED CODE PATHS USING CODE COVERAGE TOOLS AND AUTOMATION OF WMI FEATURE

24. DERRICK PETROLEUM, BANGALORE

- 122. DATA ANALYSIS OF UPSTREAM OIL & GAS INDUSTRY
- 123. BUSINESS ANALYSIS OF UPSTREAM OIL AND GAS COMPANIES

- 124. ANALYSIS OF FIELDS IN SOUTH AMERICA AND ANALYSIS OF UPSTREAM OIL & GAS INDUSTRY
- 125. ANALYSIS OF UPSTREAM OIL & GAS INDUSTRY
- 126. BUSINESS ANALYSIS OF OIL & GAS INDUSTRY
- 127. ANALYSIS OF UPSTREAM OIL & GAS INDUSTRY
- 128. BUSINESS ANALYSIS OF UPSTREAM OIL & GAS INDUSTRY
- 129. OIL INDUSTRY: BUSINESS INITIATIVES AND PRODUCTS
- 25. DREAMWORKS ANIMATION, BANGALORE**
 - 130. TD_TRANSFER : A TOOL FOR TRANSFER PIPELINE
 - 131. CODE ANALYTICS AND RATING SYSTEM
 - 132. QT ROBOT : SMOKE TEST FOR LIGHTING TOOL
 - 133. DEVELOP NEW ANIMATION TOOLS FOR THE MOVIES HOW TO TRAIN YOUR DRAGON & PENGUINS OF MADAGASCAR AND SUPPORT AS A TECHNICAL DIRECTOR
- 26. EBAY INDIA DEVELOPMENT CENTRE, BANGALORE**
 - 134. STORES, M2M MIGRATION AND LISTING DRAFT BY CRAWLER-
 - 135. EXPERIMENTATION METHODS FOR A/B TESTING USING TABLEAU AND R
 - 136. CONFIGURABLE FRAMEWORK FOR FEEDBACK SERVICES
 - 137. MULTI ACCOUNT, VERIFICATION RISK ANALYSIS AND PHOTO COMPLIANCE
 - 138. HIGH DIMENSIONALITY METRICS STORE
 - 139. ARSING AND ANALYSIS OF THE E-COMMERCE TRANSACTION LOGS
 - 140. DEVELOPING BUYER FUNNEL FOR EBAY INDIA
 - 141. INFRASTRUCTURE FOR AUTOMATING SERVICE TESTING
 - 142. PAYMENTS 2.0 DEV TOOLS - VERSION CHECKER, DIFF-COVER, FUNCTIONAL CODE COVERAGE REPORTS
 - 143. MARKETING CAMPAIGN TOOL
- 27. EMC, BANGALORE**
 - 144. LINK AND LAUNCH FEATURE DEVELOPMENT FOR VMAX AND VNX GATEWA AND DESIGN AND DEVELOPMENT OF A RESTFUL FRAMEWORK FOR FILE PROVISIONING IN VNX AND VMAX.
 - 145. VIPR DATA SERVICES
 - 146. FEDERATED IDENTITY MANAGER
 - 147. USE OF QR CODES FOR ON-DEMAND AUTHENTICATION
 - 148. RSA AUTHENTICATION MANAGER: AUTOMATION SCRIPT FOR SYNCHRONIZATION OF FILES AND DEVELOPMENT OF REPORTS TO DISPLAY USER INFORMATION
 - 149. FAST SEEDING OF SMALL FILES ON A DD FILE-SYSTEM (DDFS) WITH DESIRED LOCALITY
 - 150. VIPR DATA SERVICES
 - 151. FAST SEEDING OF SMALL FILES ON A DD FILE-SYSTEM (DDFS) WITH DESIRED LOCALITY
 - 152. DEVELOPMENT OF AUTOMATION TEST FRAMEWORK FOR SECURID PRODUCTS (LAC, AM)
- 28. ENSCI - A UNIT OF WEIR MINERALS INDIA PVT. LTD, BANGALORE**
 - 153. ANALYSIS OF RUBBER SLEEVE USED IN ISOGATE KNIFE GATE VALVE PERFORMANCE ENHANCEMENT OF UNDERWATER ROV
 - 154. ANALYSIS OF RUBBER SLEEVE USED IN ISOGATE KNIFE GATE VALV PROPOSAL FOR RE-ENGINEERING AND DEVELOPMENT OF ROTARY VANE VACUUM PUMP
- 29. ERICSSON GLOBAL INDIA PVT. LTD, BANGALORE**
 - 155. DEVELOPMENT OF A WEB BASED TOOL TO QUERY THE DATABASE OF COUNTERS REQUIRED BY THE ENGINEERS IN SSR/ SE TEAM
 - 156. SSR SIM VM RESOURCE RESERVATION BY DYNAMIC ORCHESTRATION IN CHASSIS
 - 157. DYNAMIC & FINE GRAINED FORWARDING PATH DEBUG & PACKET MANIPULATION ON SSR PPA3LP
 - 158. GRAPHICAL LXR FOR IPOS MODULES
 - 159. FLOW TABLE MANAGEMENT GUI
 - 160. FLOW TABLE DESIGNER FOR SDNBLE
- 30. ERNST & YOUNG PVT. LTD, BANGALORE**
 - 161. JE CAAT ANALYSIS AND PAYROLL ANALYTICS
 - 162. JE CAAT PROCEDURES AND PROVISIONING AUTOMATION ENABLEMENT
- 31. EXOTEL TECHCOM PVT. LTD, BANGALORE**
 - 163. SALES TECH AUTOMATION
 - 164. APP DEVELOPMENT AND INTEGRATIONS FOR EXOTEL
- 32. FABMART, BANGALORE**
 - 165. DEVELOPMENT OF A SOCIAL NETWORKING PLATFORM(HOWEEZ.COM)
- 33. FIBER LINK, BANGALORE**
 - 166. UI AND BACKEND CHANGES FOR CLOUDEXTENDER IN THE EXISTING PORTAL OF MAAS360 IN JAVA, GWT, PL/SQL

- 167. MAAS360 PORTAL ENHANCEMENTS FOR WINDOWS PHONE 8 & 8.1
- 168. ENHANCEMENT OF MAAS360 PORTAL
- 169. DEVELOPMENT OF OUT OF OFFICE ASSISTANT & TASKS IN MAAS360 IOS AGENT
- 170. MOBILE APP MANAGEMENT - INTEGRATION APIS AND UX ENHANCEMENTS
- 171. ANDROID BACKEND MODIFICATIONS & FEATURE ADDITIONS
- 172. ENHANCEMENT OF WINDOWS PHONE EMAIL CLIENT IN TERMS OF LANGUAGES SUPPORTED AND OTHER FEATURES
- 173. ENHANCEMENT IN DEVICE VIEW IN MAAS360 PORTAL
- 174. COMPLIANCE RULE, LOCATIONS AND PRIVACY SETTING ENHANCEMENTS IN THE EXISTING PORTAL OF MAAS360
- 175. ENHANCEMENTS FOR USER MANAGEMENT
- 34. FIORANO SOFTWARE TECHNOLOGIES PVT. LTD, BANGALORE**
 - 176. IMPROVING THE FIORANO ESB FUNCTIONALITIES
 - 177. DEVELOPING ADAPTERS FOR FIORANO SOA.
 - 178. IMPLEMENTATION AND TESTING OF FIORANOMQ IN NATIVE C++ JT++, A C++ COMPILER VALIDATION SUITE
- 35. FLIPKART ONLINE SERVICES PVT. LTD, BANGALORE**
 - 179. TASKS CARRIED OUT IN SUPPLY CHAIN & NETWORKS ANALYTICS TEAM
 - 180. BUILDING A FAST AND OPTIMIZED RULE BASED FRAUD DETECTOR
 - 181. MONITORING CATEGORY PROFIT AND LOSS DASHBOARD OF FLIPKART
 - 182. GATHERING COMPETITION DATA AND AUTOMATI GENERATION OF INVENTORY AND SALES REPORTS
 - 183. THIRD PARTY LOGISTICS AND MARKET PLACE
 - 184. IMPROVEMENT OF SOFTLINE SELECTION AND DISCOVERABILITY
 - 185. BULK ORDER DETECTION
 - 186. DEVELOPMENT ENVIRONMENT BOOTSTRAPPER
 - 187. DEVELOPMENT OF CONCEPT SIMILARITY IN FLIPKART SEARCH ID
 - 188. MULTI CHANNEL ATTRIBUTION
 - 189. CUSTOMER PLATFORM ANALYTICS
 - 190. ANALYSIS OF PRODUCT ADS ON FLIPKART
 - 191. DEVELOPMENTAL TASKS FOR RETURNS
 - 192. PROJECTS WORKED ON DURING THE INTERNSHIP AT RETAIL ANALYTICS TEAM OF FLIPKART.
 - 193. MARKETPLACE ACCOUNTING RECONCILIATION
- 36. GE JOHN F WELCH TECHNOLOGY CENTRE, BANGALORE**
 - 194. EXPERIMENTAL INVESTIGATION ON VIBRATIONAL BEHAVIOR OF SOFT SUSPENDED ROTATING MACHINES
 - 195. STUDY OF JOURNAL BEARING DESIGN TYPES, OPERATION AND ANALYSIS
- 37. GENPACT ANALYTICS, BANGALORE**
 - 196. CHANNEL SALES MANAGEMENT SYSTEM
 - 197. DEVELOPING SHOP WORK IN PROGRESS (WIP) TOOL
 - 198. BENCHMARKING OF KEY PERFORMANCE INDICATORS & MANUFACTURING STRATEGY IN SEMICONDUCTOR INDUSTRY
 - 199. SMART DECISION SERVICES FOR PFIZERWORKS
 - 200. DESIGN OF PLAN TO DELIVER PROCESS IN SUPPLY CHAIN MANAGEMENT AND AUTOMATION OF SALES ORDER BACKLOG.
 - 201. RETROSPECTIVE SOCIAL MEDIA ANALYSIS FOR A DRUG AND ITS COMPETITORS
 - 202. KPI BENCHMARKING OF INDUSTRIES, AVIATION COST OUT ANALYSIS
 - 203. DATABASE FOR TERMS & CONDITIONS OF TIME AND MATERIAL CONTRACTS FOR YEAR 2013 & 2014 & ACTUALS VS TARGET ANALYSIS OF GP7000
 - 204. ANALYSIS ON THE IMPACT OF AGE OF LOCOMOTIVE ON ITS FAILURE RATE
- 38. GLOBAL LOGIC, BANGALORE**
 - 205. PREDICTIVE ANALYSIS BASED ON TWITTER FEED
- 39. GOLDMAN SACHS INDIA PVT. LTD, BANGALORE**
 - 206. AUTOMATION OF COLLATERAL UPLOADS & AUTOMATION OF SP CASH RECS
 - 207. CLIENT ASSET PROTECTION
 - 208. CONFIRMS INDUSTRIALIZATION
 - 209. COMPREHENSIVE CAPITAL ANALYSIS AND REVIEW (CCAR)
 - 210. EQUITY DERIVATIVES CONTROL TEAM FUNCTIONS
 - 211. CLIENT CONTROL MONITOR
 - 212. RISK MANAGEMENT IN TRADE FLOWS AND EMIR REGULATORY REFORM COMPLIANCE AS PART OF THE EQUITY DERIVATIVES MIDDLE OFFICE AT GOLDMAN SACHS

- 213. INDUSTRY WIDE COMPLIANCE VOLUME TREND ANALYSIS
- 214. INTRODUCTION TO OPTION PRICING MODELS FOR VANILLA DERIVATIVES
- 215. METADATA MANAGEMENT AND BUSINESS PROCESS MODELING
- 40. HSBC, BANGALORE**
 - 216. CREDIT CARD TRANSACTION AUTHORIZATION AND SPEND ANALYSIS FOR ASIA PACIFIC REGION
 - 217. LOSS FORECASTING ANALYSIS IN RISK ANALYTICS
 - 218. ANALYTICS ON PERFORMANCE OF HSBC RBWM FINANCE BUSINESS IN US AND CANADA REGIONS
- 41. ICICLE TECHNOLOGIES PVT. LTD, BANGALORE**
 - 219. VFX- PROJECT MANAGEMENT SYSTEM
 - 220. WEB DEVELOPMENT
- 42. ILABS, BANGALORE**
 - 221. WEB ANALYTICS & OPTIMIZATION
 - 222. IMPLEMENTATION OF TRANSCRIPT SEARCH FOR PROVIDING SEARCH CAPABILITIES TO 24[7] ASSIST CHAT PLATFORM
 - 223. [24]7ASSIST SUPPORT ENABLEMENT
 - 224. CREATION OF SIMOD (SIMULATION AND MODELING DATASETS) AND BIG DATA ANALYSIS THROUGH MODELING WORKBENCH
 - 225. SOCIAL TESTING
 - 226. AUTOMATION FRAMEWORK FOR TESTING ASSIST SOLUTION
 - 227. PXOE & PREDICTION CONSOLE (VALIDATION & VERIFICATION)
 - 228. DEVELOPMENT OF APPLICATIONS TO MONITOR THE GROWTH OF THE ORGANIZATION
- 43. INFINERA, BANGALORE**
 - 229. POWER AND LINT FLOW CREATION
 - 230. 16-BIT IMPLEMENTATION FOR PMBUS CONTROLLED POWER SUPPLIES
 - 231. DEVELOPMENT OF P4-SEARCH WITH GUI, I-STYLE BEAUTIFIER AND CODE GENERATOR
 - 232. TSV DATA MINING TOOL
 - 233. DESIGN AND DEVELOPMENT OF A MIND-MAPPING SOFTWARE
 - 234. NETWORK SCHEDULING USING WEIGHTED CONSERVATION ROUND ROBBINS ALGORITHM
 - 235. AUTOMATION OF SMP FEATURE
 - 236. VERIFICATION OF SONET TRIB FPGA
- 44. INFORMATICA BUSINESS SOLUTIONS PVT LTD, BANGALORE**
 - 237. HTTP SOURCE AND TARGET SERVICE INTEGRATION IN INFORMATICA VIBE DATA STREAM
 - 238. DEVELOPING/OPTIMIZING FRAMEWORKS FOR LOGGING IN ISP(INFORMATICA SERVICE PLATFORM)
 - 239. GENERIC JDBC ADAPTER FOR INFORMATICA CLOUD
 - 240. INTEGRATION OF MACHINE LEARNING ALGORITHMS WITH RULEPOINT
 - 241. IMF COMPILE TIME BACKWARD COMPATIBILITY & UPGRADE TEST FRAMEWORK
 - 242. IMPROVING THE ACCESSIBILITY OF ADMINCONSOLE AND BEING SCREEN READER COMPLIANT
- 45. INMOBI, BANGALORE**
 - 243. ANALYTICS AND OPERATIONS OF MOBILE AD CAMPAIGNS FOR GLOBAL ONLINE AND INSIDE BUSINESS SALES (GOIB), INMOBI
 - 244. PRODUCT MARKETING RESEARCH
 - 245. TRAINING MANAGEMENT AT INMOBI
 - 246. CAMPAIGN MANAGEMENT FOR JAPAC (ANZ AND S.KOREA) REGION
 - 247. CONCEPTUAL TARGETING PRODUCT CREATION
- 46. INTEL INDIA TECHNOLOGY PVT. LTD, BANGALORE**
 - 248. EARLY FLOORPLAN EXPLORATION IN ASIC DESIGN FLOW
 - 249. DESIGN CONVERGENCE OF AN ASIC
 - 250. HOME AUTOMATION USING ZIGBEE
 - 251. TOOL DEVELOPMENT FOR INFORMATION EXTRACTION AND HEADER GENERATION FROM KERNEL BINARY
 - 252. AUTOMATION OF SOFTWARE TESTING OF INTEL GRAPHICS DRIVER
 - 253. DEVELOPMENT OF WEARABLE SENSOR SYSTEM FOR GAIT ANALYSIS
 - 254. SMART DATA COMPRESSION ALGORITHMS FOR WEARABLE APPLICATIONS
 - 255. A TOOL TO MONITOR COVERAGE DURING POST-SILICON VALIDATION OF INTEL CPUS
 - 256. ACCURATE HIERARCHICAL TIMING BUDGETING**
 - 257. DEVELOPMENT OF WEARABLE GSR AND OPTICAL HEART RATE SENSOR
 - 258. FPGA EMULATION OF A SOC FOR EXTENDED VERIFICATION

- 259. AUTOMATION OF BLOCK LEVEL BACKEND EXECUTION FOR ASIC DESIGN
- 260. TOOL TO GENERATE GPIO SIMULATION MODEL IN VERILOG BASED ON THE USER SPECIFIED PROTOCO
- 261. DEVELOPMENT OF DIRECT RESPIRATORY MEASUREMENT SUBSYSTEM USING CONDUCTIVE STRETCHABLE FABRIC
- 262. DESIGNING A MODULE FOR OBD APPLICATION IN LINUX
- 263. DESIGN AND DEVELOPMENT OF PHYSIOLOGICAL SIGNAL SENSORS ON THE WRIST
- 264. FIRMWARE ENHANCEMENT FOR MAC LAYER OF WI-FI
- 265. PROJECT-1"SYSTEM DESIGN OF CLOCK AND DATA RECOVERY CIRCUIT FOR SERIAL IO & PROJECT-2 DESIGN OF LOW-POWER 8-BIT DAC USING SIGMA DELTA MODULATOR"
- 47. ITW, BANGALORE**
 - 266. OPTIMISING STEEL FRAME DESIGN SUPPORTING A UNI-AXIAL SHAKE TABLE
 - 267. EDDY CURRENT DEVICE FOR CFRP TESTING
 - 268. DESIGN OF ENVIRONMENTAL CHAMBER
- 48. JDA SOFTWARE SOLUTIONS, BANGALORE**
 - 269. MANUAL TESTING AND AUTOMATED TESTING USING PERL IN SCS OPTSERVER
 - 270. DESIGN AND EXECUTION OF TEST CASES FOR ORDER SEQUENCING AND SLOTTING AND JDA SEQUENCING
 - 271. MANUAL TESTING FOR JDA BA AND PMM
 - 272. DESIGN AND EXECUTION OF TEST CASES FOR JDA SEQUENCING 8.1
 - 273. MASTER PLANNING FOR WHAT IF SCENARIOS
 - 274. DEMAND FORECASTING USING JDA DEMAND & JDA FULFILLMENT
 - 275. AUTOMATION OF DOM TEST SCENARIOS
 - 276. AUTOMATION OF DISTRIBUTED ORDER MANAGEMENT TEST SCENARIOS
- 49. KPMG, BANGALORE**
 - 277. RISK CONSULTING: LICENSE COMPLIANCE ADVISORY
- 50. LANTIQ INDIA PVT. LTD, BANGALORE**
 - 278. DESIGN & VERIFICATION OF INTEGRATED VECTORING ENGINE 192
 - 279. BACKEND DESIGN FLOW FOR SMALL DIGITAL BLOCK AND PROCESSOR CORE
 - 280. FUNCTIONAL VERIFICATION
 - 281. WLAN ARCHITECTURE MODELLING USING SYSTEMQ
 - 282. VERIFICATION OF MIPS PROCESSOR
 - 283. VERIFICATION OF THE MIPS INTERAPTIV PROCESSOR SUBSYSTEM
- 51. LSI RESEARCH & DEVELOPMENT PVT. LTD, BANGALORE**
 - 284. PHYSICAL DESIGN OF ASIC BLOCK IN 28 NM TECHNOLOGY USING IC COMPILER
 - 285. PHYSICAL DESIGN OF A MULTIMILLION GATE SOC USING 16-FINFET TECHNOLOGY
 - 286. AUTOMATION IN VLSI DESIGN FOR TESTABILITY (DFT)
 - 287. PHYSICAL DESIGN OF A BLOCK FOR A MULTI-MILLION GATE SOC USING IC COMPILER
 - 288. PHYSICAL DESIGN OF A MULTIMILLION GATE SOC ON 16NM FINFET TECHNOLOGY, USING SYNOPSIS IC COMPILER
 - 289. PHYSICAL DESIGN OF A BLOCK FOR A MULTIMILLION GATE SOC USING IC COMPILER
 - 290. PHYSICAL DESIGN OF ASIC BLOCK IN 28 NM TECHNOLOGY USING IC COMPILER
 - 291. PHYSICAL DESIGN IMPLEMENTATION OF APPLICATION SPECIFIC INTEGRATED CIRCUITS AT 16NM, FINFET BASED TECHNOLOGY NODE USING SYNOPSIS IC COMPILER
- 52. MAGNET WORKS, BANGALORE**
 - 292. REMOTE MONITORING AND DEBUGGING SOLUTION FOR PLC CONTROLLED SYSTEMS
 - 293. ENABLING INDUSTRIAL SENSORS FOR WIRELESS SENSOR NETWORKS
- 53. MARKETSHARE INFOTECH INDIA PVT. LTD, BANGALORE**
 - 294. LOG MONITORING AND HIVE QUERY OPTIMIZATION. CLIENT REQUISITION FORM
 - 295. OPTIMIZER V5, FISCAL CALENDAR GENERATION, QUERY BUILDER, DATA PROFILING USING HIVE AND TABLEAU REPORTS
 - 296. OPTIMIZER V5, FISCAL CALENDAR GENERATION, LOG MANAGEMENT, DATA PROFILING USING HIVE AND TABLEAU REPORTS
 - 297. LOG MONITORING AND HIVE QUERY OPTIMIZATION. CLIENT REQUISITION FORM
- 54. MEDIA IQ DIGITAL, BANGALORE**
 - 298. MEDIA PLANS AND INSIGHTS
 - 299. MEDIA PLANS , EXTRA INSIGHTS AND CAMPAIGN OPTIMIZATION
 - 300. DEVELOPING PROSPECTIVE MEDIA PLANS, INFOGRAPHICS AND MINI INSIGHT REPORTS
 - 301. MEDIA PLANS, INSIGHTS, USER JOURNEY ANALYSIS
- 55. MERCEDES BENZ, BANGALORE**

- 302. MATERIAL CHARACTERIZATION OF ABS AT DIFFERENT TEMPERATURES
- 303. DEVELOPMENT OF SIMULATION METHODOLOGY FOR AUTOMOBILE PARTS STACKING
- 304. MODELLING OF HEAT EXCHANGERS USING CFD
- 305. AUTOMATION OF INTERIOR SIMULATION METHOD. CHECKING THE POTENTIAL OF CONICAL RIBS IN ROOF DAMPERS
- 306. OPTIMIZATION OF BOUNDARY CONDITIONS FOR BPILLAR SUBSTRUCTURE SIMULATIONS
- 56. MU SIGMA BUSINESS SOLUTIONS, BANGALORE**
 - 307. SURVEY ANALYSIS AND TEXT CATEGORIZATION ALGORITHMS
 - 308. SEGMENTATION OF PHYSICIANS BASED ON THE RESPONSE BEHAVIOR AND MARKET MIX MODELING
- 57. NATIONAL ENTREPRENEURSHIP NETWORK, BANGALORE**
 - 309. DIGITAL MARKETING & WEB MANAGEMENT
 - 310. ENTREPRENEUR DEVELOPMENT THROUGH TRAINING AND SKILL BUILDING SESSIONS
 - 311. INSTRUCTIONAL DESIGN FOR COMMUNICATIVE LANGUAGE TEACHING
 - 312. NEN TASK AUTOMATION SOFTWARE
 - 313. MENTOR PLATFORM ENGAGEMENT
- 58. NATIONAL INSTRUMENTS SYSTEMS (INDIA) PVT. LTD, BANGALORE**
 - 314. AUTO-DETECTION OF LTE CHANNELS AND RELATED MEASUREMENTS
 - 315. DEVELOP A PULSE ANALYSIS ALGORITHM USING LABVIEW AND VST
 - 316. ESTIMATION AND CORRECTION OF CARRIER FREQUENCY OFFSETS (CFO) AND SAMPLING\TIMING OFFSETS (SCO\TO) FOR OFDM-SYNCHRONIZATION IN 3GPP LTE SYSTEM
- 59. NETAPP, BANGALORE**
 - 317. MULTIQUEUE I/O SCHEDULER FOR THE LINUX BLOCK LAYER
 - 318. INTEGRATION-REPLICATION WITH OPENSTACK
 - 319. OPTIMIZATION OF WAFL WRITE IN MKFILE COMMAND
 - 320. EVALUATING NETWORK CODING ALGORITHMS
 - 321. HARDWARE MANAGED TRANSACTIONS
 - 322. APPLICATION DEVELOPMENT OVER SPLUNK TO AID IN THE PROCESS OF DATA VISUALIZATION FOR E-SERIES STORAGE PRODUCTS
 - 323. HARDWARE ACCELERATION OF DEDUPLICATION USING NVIDIA GPU
 - 324. IN MEMORY HOT AND COLD DATA TAGGING
 - 325. EARLY WARNING SYSTEM FOR IMPENDING DISK FAILURE
 - 326. FORMULATING A FEASIBLE PROTOTYPE FOR SECURE DYNAMIC DNS UPDATES
 - 327. THE COSINE ESTIMATION TOOL
 - 328. DEDUPLICATION OF ENCRYPTED DATA
 - 329. DATAMEER PLUGIN DEVELOPMENT (BIG DATA REPORTING TOOL)
 - 330. DESIGN OF AN EXT3 PARSER
 - 331. CONFIG ADVISOR MCC PLUGIN
 - 332. WIRESHARK: ADDING A CUSTOM DISSECTOR
 - 333. HEADROOM INSIGHTS
- 60. NETSCOPE SOFTWARE INDIA PVT. LTD, BANGALORE**
 - 334. BUILDING A WEB-BASED TESTING PLATFORM
 - 335. CLOUD SECURITY RESEARCH ON CLOUD STORAGE CATEGORY APPLICATIONS
 - 336. USER INTERFACE AND PERFORMANCE TESTING OF ACTIVE DIRECTORY AND RELATED TECHNOLOGIES
 - 337. CLOUD SECURITY RESEARCH ON CLOUD STORAGE CATEGORY APPLICATIONS
- 61. NUTANIX TECHNOLOGIES INDIA PVT. LTD, BANGALORE**
 - 338. PROVISIONING OF NUTANIX VIRTUAL APPLIANCE ON AZURE CLOUD FOR BACKUP
 - 339. ENABLE CLUSTER MONITORING FOR CLUSTER DIAGNOSIS
 - 340. ENABLE CLUSTER MANAGEMENT USING POWERSHELL
- 62. NVIDIA GRAPHICS PVT. LTD, BANGALORE**
 - 341. POWER ANANLYSIS OF CLOCK TRUNK AT RTL LEVEL AND CHIP TOOL COMPARTMENTALIZATION(AUTOMATION OF TOOLS) OF SOC
 - 342. DEVELOPMENT OF SOC LEVEL TESTBENCHES FOR TEGRA SOCS
 - 343. VIDEO PREPROCESSING TECHNIQUES FOR IMPROVING GAME VIDEO STREAMING
 - 344. IMPLEMENTATION OF PERL BASED FLOW FOR AUTO-GENERATION OF RTL OF CONTROL BACKBONE IN SOC 2. RTL IMPLEMENTATION FOR TIME KEEPING BLOCK IN SOC
 - 345. GPU FULL CHIP VERIFICATION IMPROVEMENTS
 - 346. EMBEDDED RM(RESOURCE MANAGER) TEST SUITE DEVELOPMENT
 - 347. MEMORY OPTIMIZATION OF AVI DEMULTIPLEXER FOR MEDIA PLAYER

- 348. ANDROID FRAMEWORK DEVELOPMENT FOR AUTOMOTIVE
- 349. TEGRA SOCIP NET-LISTING AUTOMATION PROJECT DATA-PLANE FABRIC AUTOMATION ON TEGRA SOC
- 350. PHYSICAL DESIGN FLOW AND ADVANCED TIMING CONSTRAINT ANALYSIS TECHNIQUES
- 351. AUTO GENERATION OF PAD PROGRAMMING USING PERL
- 352. FUNCTIONAL C-MODEL DEVELOPMENT FOR CSI-2 HOST IN TEGRA SOC
- 353. ENERGY ESTIMATIONS FOR POWER STATE TRANSITION POLICIES ON A MOBILE SOC
- 354. FUNCTIONAL VERIFICATION OF MEMORY CONTROLLER
- 355. TESTING AND DEVELOPMENT OF DEVICE DRIVERS
- 356. FUNCTIONAL VERIFICATION OF PCIE OVER MPHYS
- 357. OPTIMIZATION OF CPU RUNSCRIPT
- 358. PERFORMANCE MODELLING OF THE MEMORY SUPERUNIT FOR MAXWELL GPU ARCHITECTURES
- 359. DEVELOPMENT OF DEBUG TOOLS FOR GPU BRING-UP
- 360. VCS PRE-COMPILE/PARTITION COMPILE
- 361. INCORPORATING SELF-CHECKING STIMULUS CREATION ABILITY IN THE RANDOM INSTRUCTION GENERATOR USING CO-SIMULATION APPROACH UNIT VERIFICATION OF DESIGN FOR DEBUG (DFD) MODULE
- 362. FUNCTIONAL VERIFICATION OF TEGRA SILICON MONITORS
- 363. POWER ESTIMATION TOOL DEVELOPMENT AND TEGRA'S CPU POWER MODELLING
- 364. VALIDATING AN INSTRUCTION SET SIMULATOR FOR NVIDIA'S CUSTOM PROCESSOR
- 365. DEVELOPMENT AND VERIFICATION OF C-MODELS OF UNITS OF THE SOC
- 366. COMPLIANCE VERIFICATION OF USB USING AXF FILES
- 367. UNIT LEVEL VERIFICATION OF DISPLAY SUBSYSTEM OF TEGRA
- 63. OPTUMSOFT RESEARCH PVT LTD, BANGALORE**
 - 368. OPTUMSOFT PRODUCT TEST LIVE DASHBOARD
- 64. ORACLE INDIA PVT. LTD, BANGALORE**
 - 369. DEVELOPMENT OF AUTHENTICATION PLUGINS FOR OAM 11G
 - 370. LABEL VERIFICATION TOOL & SQL BENCHMARK TOOL
 - 371. UTILITY APPLICATION DEVELOPMENT FOR IFARM BUILD MONITORING SYSTEM
 - 372. KERBEROS BASED AUTHENTICATION FOR DIRECT-NFS
 - 373. STUDY OF SOA, WEB SERVICES & BPEL AND GUI ENHANCEMENT IN ETL STUDIO
 - 374. RESEARCH ANALYSIS OF ORACLE RETAIL PRODUCT AND DATA INTEGRATOR
 - 375. SECURITY ANALYSIS OF ORACLE RETAIL MERCHANDISING SYSTEM
 - 376. ORACLE RETAIL WAREHOUSE MANAGEMENT SYSTEM APPLICATION
 - 377. INSTALLATION AUTOMATION AND QUALITY ASSURANCE OF CATEGORY MANAGEMENT
 - 378. OIM CONNECTOR FOR GOOGLE APPS
 - 379. TARGET SECURITY COMPLIANCE AUTOMATION
 - 380. TEST ANALYTICS FOR ORACLE RETAIL MERCHANDISING SYSTEM
 - 381. COMBINATION OF DATABASE OBJECTS & TEST AUTOMATION FRAMEWORK
 - 382. TEST ANALYTICS FOR ORACLE RETAIL MERCHANDISING SYSTEM
 - 383. UNIFIED AUTOMATION TESTING IN ORACLE RETAIL
 - 384. SERVICE ORIENTED ARCHITECTURE APPLICATION DEVELOPMENT AND ANALYSIS AND GENERATION OF BUSINESS RULES FOR PERFORMANCE TUNING OF SOA INFRASTRUCTURE AND PREDICTIVE ANALYSIS TO DETERMINE PERFORMANCE OF SOA COMPOSITES.
- 65. PANTALOONS FASHION & RETAIL LTD, BANGALORE**
 - 385. TO OPTIMIZE THE POWER CONSUMPTION AND THUS REDUCE THE POWER LOSS OF COMPANY BY 10%.
 - 386. MYSTERY SHOPPING ANALYSIS, CATCHMENT ANALYSIS & STRATEGIC IMPLEMENTATION FOR SALES AND CUSTOMER FOOTFALL IMPROVEMENT IN PANTALOONS STORE
- 66. PARSONS BRINCKERHOFF, BANGALORE**
 - 387. CATEGORY 3 CHECK OF GROUP 9 (PROJECTS 13 & 28) STRUCTURES, QATAR EXPRESSWAY
 - 388. DESIGN OF UNDERGROUND ENTRANCE STRUCTURE FOR CHENNAI METRO RAIL PROJECT
- 67. PHILIPS RESEARCH ASIA, BANGALORE**
 - 389. IMAGE PROCESSING ALGORITHMS TO SEGMENT OVARIAN FOLLICLES IN ULTRASOUND SCANS
 - 390. IMAGE PROCESSING ALGORITHMS TO GENERATE 3D VOLUME FROM FREEHAND ULTRASOUND SCANS
- 68. POLYCOM TECHNOLOGY (R&D) CENTRE PVT. LTD, BANGALORE**
 - 391. DHCP HOSTNAME PROGRAMMING FOR IMMERSIVE TELEPRESENCE SYSTEMS
 - 392. GENERIC SNMP AGENT FOR POLYCOM CLOUDAXIS PLATFORM

393. LOAD AND PERFORMANCE TESTING OF WSP-SOCIAL CONNECTORS AND AUTOMATION OF PERFORMANCE TESTING
- 69. PRACTO TECHNOLOGIES PVT. LTD, BANGALORE**
394. PREDICTIVE ANALYSIS AND MARKETING RESEARCH AT PRACTO
395. IMPLEMENTATION OF INTERNAL WIKI AND COLLABORATION SUITE USING CONFLUENCE AND DATA ANALYSIS FOR PRACTO PRODUCTS
396. PRACTO TECHNOLOGIES COMPETITOR ANALYSIS AND MASTER DATA MANAGEMENT
- 70. QUALCOMM, BANGALORE**
397. UNIT TEST FRAMEWORK FOR MEDIA SUBSYSTEM OF IMS.
398. IMS PRESENCE APP
- 71. SABRE HOLDINGS(FORMELY SABRE TRAVELS) , BANGALORE**
399. IBM TPF CODE ANALYZER
- 72. SAMSUNG INDIA SOFTWARE OPERATIONS, BANGALORE**
400. SENSOR ANALYTICS ON MOBILE DATA
401. HEVC DECODER
402. WEIGHT LOSS ENGINE:CALORIE EXPENDITURE THROUGH ACTIVITY RECOGNITION
403. NEXT GENERATION SMART ASSISTANT
- 73. SAP LABS, BANGALORE**
404. HYBRID ADD-ON MIGRATION
405. CREATION OF A TOOL TO AUTOMATE PARTS OF THE THREAT MODELLING PROCESS
- 74. SATVVA MEDIA & CONSULTING PVT LTD, BANGALORE**
406. ANALYSIS OF IMPACT FUNDS & RURAL ENTREPRENEURIAL INITIATIVES FOR IMPLEMENTATION IN COMMUNITY DEVELOPMENT
407. MARKETING FOR THE ALTERNATIVE
- 75. SEVENION SOFTWARE SYSTEMS PVT. LTD, BANGALORE**
408. BUSINESS INTELLIGENCE QUALITY CONTROL PROJECT
409. SOCIAL NETWORK INTEGRATION ON PHOTO-SHARING APPLICATION
- 76. SHELL, BANGALORE**
410. BUOYANCY AND STABILITY CHECK OF FLOATING ROOF TANKS
411. LITERATURE STUDY AND EXPERIMENTAL VALIDATION OF EFFECT OF PROCESSING STEPS ON CATALYST PREPARATION FOR NOX
412. LITERATURE EVALUATION OF EFFECTS OF PROCESS PARAMETERS ON PERFORMANCE OF HIGHLY DISPERSED SUPPORTED METAL CATALYST SYSTEMS
- 77. SIEMENS CORPORATE RESEARCH & TECHNOLOGIES, BANGALORE**
413. ADVANCED PROCESS CONTROL
414. DESIGN OF DIGITALLY CONTROLLED CURRENT SOURCE
- 78. SIRIUS EMBEDDED SOFTWARE (P) LTD, BANGALORE**
415. FUEL MONITORING UNIT AND GSM TRIANGULATION
- 79. TAS ANALYTIC SERVICES, BANGALORE**
416. PROJECT & REPORTING IN BUSINESS OFFICE FINANCE DEPARTMENT
417. CENTRALIZED ORDER REGULATION FOR TIME INC. MAGAZINES
418. MARKETING & RESEARCH FOR PRINT MAGAZINES OF TIME INC
419. DIGITAL RESEARCH AND INSIGHTS
420. WEB ANALYTICS (REPORTING) FOR DIGITAL PROPERTIES OF IPC MEDIA
421. AUDIENCE DEVELOPMENT FOR DIGITAL PROPERTIES OF TIME INC. AND IPC MEDIA
422. FINANCIAL ANALYSIS PERFORMED IN TAS FOR TIME INC.
- 80. TEJAS NETWORKS, BANGALORE**
423. DEVELOPING AN ELECTRICAL TRANSCEIVER MODULE TO TEST THE SFP/SFP+ INTERFACE RUNNING AT 155MBPS TO 11.3 GBPS
424. AUTOMATED TESTING OF ELEMENT MANAGEMENT SYSTEM BUILDS
425. SDH TRANSMITTER SIDE TERMINATION
426. IMPLEMENTATION OF IEEE 1588 TRANSPARENT CLOCKING IN A L2 SWITCH
427. INSTANT INTERNAL MESSENGER [IIM]
428. DESIGN FOR TESTABILITY AND JTAG TESTING OF HARDWARE CARDS
429. DESIGN OF FPGA-BASED ETHERNET TESTER WITH GUI FRONT END.
- 81. TESCO, BANGALORE**
430. CAMPAIGN MANAGEMENT FOR THE TRAVEL MONEY ACCOUNT
431. ANALYSIS OF TRADE IN GENERAL MERCHANDISE
432. PERFORMANCE ANALYSIS OF NEW FORMAT STORE QUANTIFYING DELIVERY SLOT AVAILABILITY AND

- IMPACT OF NEW DELIVERY CHARGE
433. BRAND NEW CUSTOMER ACQUISITION AND LIFETIME VALUE ANALYSIS FOR TESCO GROCERY AND WINE CUSTOMERS
434. REAL TIME DELIVERY INFORMATIONS SYSTEM QUANTIFYING DELIVERY SLOT AVAILABILITY
435. DATA & TARGETING IN EMAIL MARKETING
436. ROLE OF PRODUCT OWNER IN WEBSITE DEVELOPMENT
437. TESCO DIRECT WEB ANALYSIS
438. DATA TARGETING FOR PERSONALIZED CAMPAIGNS
439. REPORTING, SEARCH MARKETING & OPTIMIZATION OF ENTERTAINMENT & DOWNLOADS ACCOUNT
440. PAID SEARCH OPTIMIZATION & ACCOUNT MANAGEMENT FOR SEARCH MARKETING
- 82. TETCOS, BANGALORE**
441. DEVELOPMENT OF WIRELESS LAN PROTOCOLS IN A NETWORK SIMULATION SOFTWARE NETSIM
- 83. TEXAS INSTRUMENTS (I) PVT. LTD, BANGALORE**
442. INTERLEAVING MISMATCH MODELLING
443. AUTOMATED ROUTING AND BUFFERING IN A SOC
444. RESOLUTION OF INTERFERENCE IN TIME-OF-FLIGHT (TOF) CAMERA SYSTEMS
445. SYSTEM DESIGN OF OSCILLOSCOPE
446. DESIGN OF ILLUMINATION DRIVER FOR TIME OF FLIGHT CAMERA SYSTEMS
447. SIGN-OFF DRIVEN OPTIMIZATION USING CADENCE TOOLS TEMPUS AND ENCOUNTER DIGITAL IMPLEMENTATION (EDI) SYSTEM
448. EFFICIENT METHODS FOR SOC LEVEL ANALOG MIXED-SIGNAL SIMULATION: AUTOMATED ANALOG BEHAVIOURAL MODEL GENERATION AND VALIDATION
449. AUTOMATION AND ANALYTICS IN DIGITAL IC DESIGN FLOW IMPLEMENTATION
450. HEART RATE MONITOR
- 84. TONBO IMAGING PVT LTD, BANGALORE**
451. OPTIMIZATION OF CODE FOR DSP-BASED VIDEO TRACKING AND DESIGN AND IMPLEMENTATION OF RS-232 INTERFACE FOR IMAGE FUSION
452. CALIBRATION AND INTEGRATION OF ATTITUDE HEADING AND REFERENC SYSTEM (AHRS)AND STATIC POINT PREDICTION IN MULTI-ZOOM CAMERA
453. VIDEO ACQUISITION AND IMAGE PROCESSING FOR THERMAL CAMERA & DESIGNING VIDEO INPUT AND I2C COMMUNICATION INTERFACE FOR FUSION CAMERA
454. BUILDING A SIMULATION ENVIRONMENT FOR TESTING, HAMMING DISTANCE & ROLLING SHUTTER CORRECTION
- 85. UNILEVER RESEARCH, BANGALORE**
455. FOAM CHARACTERIZATION THROUGH BUBBLE SIZE DISTRIBUTION
456. EXTRACTION TECHNOLOGIES FOR POLYPHENOLS
457. UNDERSTANDING THE BEHAVIOR OF DIFFERENT SURFACTANTS AT AIR-WATER INTERFACE.
458. EFFECT OF SALTING-IN AND SALTING-OUT SALTS ON PHASE BEHAVIOR OF PVA-PEG INTER-POLYMER COMPLEX.
- 86. VMWARE, BANGALORE**
459. DESIGNING A COMPREHENSIVE GUI TO HELP VISUALIZE THE DIRECTORY STRUCTURE AND TO MAP OUT THE REQUIRED EVENTS GRAPHICALLY.
- 87. WALMART GLOBAL TECHNOLOGY SERVICES, BANGALORE**
460. PRONUNCIATION BASED SPELLING CORRECTION
461. MARKET SHARE INSIGHTS, BASKET STATISTICS AND WALMART STORES PIPELINE
462. PRODUCT MATCHING EXTENSION FOR CHROME, BOT ACTIVITY DETECTION FROM WALMART.COM ACCESS LOGS
463. MODEL-DRIVEN CODE GENERATION FOR WEB APPLICATIONS
464. MODELING USER CONVERSION BEHAVIOUR
465. TYPEAHEAD PREDICTION
- 88. AMAZON DEVELOPMENT CENTER, CHENNAI**
466. KINDLE DIRECT PUBLISHING TOOLS
467. DMS360 PORTAL
468. ANDROID DIAGNOSTICS VIA CROWDSOURCING
469. IMPLEMENTATION OF MULTIPLE FEATURES FOR DIGITAL OPERATIONS WORKFLOW TEAM
470. IMPROVING READABILITY IN KINDLE
471. INTEGRATION OF CLICKSTREAM WITH THE KINDLE EINK STORE
472. DEVELOPMENT AND MODIFICATION OF ANDROID SYSTEM APPLICATIONS
473. KINDLE TIMELINE
- 89. ARCIS CENTRE FOR FUEL CELL TECHNOLOGY, CHENNAI**
474. ANALYSIS OF COOLANT FLOW-FIELD DESIGN FOR POLYMER ELECTROLYTE MEMBRANE FUEL CELL

475. DESIGN OF HYDROGEN RECIRCULATION SYSTEMS IN POLYMER ELECTROLYTE MEMBRANE (PEM) FUEL CELLS
- 90. CENTRAL ELECTRONICS ENGINEERING RESEARCH INSTITUTE(CHENNAI CENTRE), CHENNAI**
476. INTEGRATION OF WEB AND EMBEDDED TECHNOLOGIES FOR SPECTROPHOTOMETER CONTROL AND DATA ACQUISITION
477. BLUETOOTH WATCH FOR MONITORING VITAL HEALTH PARAMETERS DEVELOPMENT OF INTEGRATED TECHNOLOGICAL SOLUTIONS FOR SECURITY AND OPERATIONS BASED ON UV SENSOR TECHNOLOGIES
- 91. CSIR - CENTRAL LEATHER RESEARCH INSTITUTE, CHENNAI**
478. STUDY OF SOS1 GENE EXPRESSION AND BIOCHEMICAL PARAMETERS IN SESUVIUM PORTULACASTRUM EXPOSED TO HIGH SALINITY
479. DEVELOPMENT OF SOFT CONTROLLERS FOR THE GROWTH AND NON-GROWTH PROCESS OF ASPERGILLUS TAMARII USING SUPPORT VECTOR MACHINES
480. CLASSIFICATION OF LEATHERS BASED ON HISTOLOGY USING IMAGE PROCESSING
- 92. ERNST & YOUNG PVT. LTD, CHENNAI**
481. DATA ANALYSIS IN EMEA REGION USING COMPUTER AIDED AUDIT TECHNIQUES
482. VALIDATION AND PROCESSING OF CLIENT JOURNAL ENTRY DATA USING COMPUTER AIDED AUDIT TECHNIQUES
- 93. HEALTHCARE TECHNOLOGY INNOVATION CENTRE (HTIC) , CHENNAI**
483. SEGMENTATION OF OPTIC DISC IN RETINAL FUNDUS IMAGES
484. TRACING OF CONNECTED BLOOD VESSELS IN RETINAL IMAGES USING GRAPH BASED MODELING
- 94. HILTI INDIA PVT. LTD, CHENNAI**
485. TAMIL NADU MARKET SIZING & GROWTH STRATEGY
486. REDESIGN OF CLAMP USED IN STONE CLADDING FOR COST REDUCTION
- 95. HISTOGENETICS, CHENNAI**
487. HLA TYPING AND ITS IMPACT ON HEMATOPOEITIC STEM CELL TRANSPLANTATION
488. HISTO PERFORMANCE APPRAISAL MANAGEMENT SOFTWARE
489. HLA TYPING AND ITS INFLUENCE ON ORGAN TRANSPLANTATION
490. HLA TYPING AND STUDY ON ETIOLOGY OF DIFFERENT TYPES OF LEUKEMIA
- 96. LATENTVIEW ANALYTICS, CHENNAI**
491. CUSTOMER ANDMARKETING RESEARCH ANALYSIS FOR A MAJOR SOFTWARE COMPANY
492. A REPORT ON ONLINE MARKETING ANALYTICS
493. A REPORT ON MARKETING ANALYSIS USING PREDICTIVE MODELLING
494. A REPORT ON BIG DATA ANALYSIS FOR A MAJOR SOFTWARE COMPANY
- 97. PAYPAL, CHENNAI**
495. RISK HEALTH DASHBOARD
496. FAST TESTING AND INTERVIEW APPLICATION
497. CREATING AN E2E INTEGRATED APPLICATION TO TROUBLE SHOOT DATA ISSUES FOR PAYPAL ENGINEERING BUSINESS REPORTING TEAM
498. DATA CLONE TOOL
499. PAYPAL PAYMENT MODULES FOR OPEN-SOURCE SHOPPING CARTS
500. EXPLORING DATA VISUALIZATION TOOLS AND CREATING DASHBOARDS, KPIs SHOWING TRANSACTION DECLINES AND WEEKLY LOSSES
501. ENHANCEMENT OF BATCHDROID
502. DEFINING OR RESOLUTIONS & PROTECTIONS TEAM & DEVELOPING DASHBOARDS TO MONITOR THEM.
503. CREATING AND UPDATING DASHBOARDS AND KPI(S) SHOWING TRANSACTION DECLINES
504. PRE-COMMIT VALIDATED MERGE IN GITHUB
505. BUILDING WEBSITE FOR DATA ANALYTICS TEAM AND AUTOMATIZATION OF KPI GENERATION
- 98. RAMCO SYSTEMS, CHENNAI**
506. SENDING TEXT MESSAGES USING TWILIO
507. LEAVE MANAGEMENT USING AN ENTERPRISE HCM SOLUTION
508. ELECTRONIC FLIGHT BAG APPLICATION
509. AUTOMATED DATA FLOW(A.D.F) FROM BANKS TO RESERVE BANK OF INDIA(R.B.I)
510. ELECTRONIC FLIGHT BAG APPLICATION
511. ENTERPRISE RESOURCE SOLUTIONING
512. DATA HEALTH MONITORING
513. QUERY PERFORMANCE TUNING (SQL SERVER)
514. ERP ENHANCEMENT & DEFECT FIXING
515. DEMO SYSTEMS FOR VARIOUS GEOGRAPHICAL REGIONS

- 516. WEB DEVELOPMENT
- 517. AVIATION PRODUCT LOGISTIC SUPPORTS AND SERVICES
- 518. DATA ACQUISITION, INTEGRATION AND STORAGE OF RELEVANT BANK DATA
- 519. INTEGRATION OF MOXTRA WITH RVW
- 520. AUTOMATED DATA FLOW FROM BANKS TO RESERVE BANK OF INDIA AND ETL GENERATION
- 521. BASE AVIATION DEVELOPMENT
- 522. STUDY AND APPLICATION OF VARIOUS TECHNOLOGIES INTO RAMCO DECISION WORKS
- 523. INTERNAL SUPPORT PORTAL FOR IMPLEMENTATION TEAM
- 524. LEAVE MANAGEMENT USING AN ENTERPRISE HCM SOLUTION
- 525. ERP ENHANCEMENT
- 526. DESIGN AND MANAGEMENT OF ERP RUNNING BACK END IN SQL
- 527. BACK END STRUCTURE MODELING OF THE FINANCE BUSINESS PROCESS COMPONENTS
- 99. RANE MADRAS LTD, CHENNAI**
 - 528. IMPROVEMENT IN THE "FIRST TIME RIGHT" COMPONENT RESULTS.
 - 529. ENHANCEMENT OF FIXTURE DESIGN
- 100. SANKARA NETHRALAYA, CHENNAI**
 - 530. EXTRACTION AND QUANTIFICATION OF HUMAN CORNEAL COLLAGEN
 - 531. INVOLVEMENT OF LIPID RAFT FRACTIONS IN TOLL LIKE RECEPTOR AND ENDOCANNABINOID SIGNALLING IN MÅLLER GLIAL CELLS OF RETINA
 - 532. TO STUDY THE EFFECT OF LET-7 SEED SEQUENCE ON RETINOBLASTOMA CELL LINE
- 101. STRUCTURAL ENGINEERING RESEARCH CENTRE, CHENNAI**
 - 533. STUDY ON DAMAGE DETECTION TECHNIQUE USING STATIC ANALYSIS DATA
 - 534. STRUCTURAL HEALTH MONITORING OF CIVIL ENGINEERING STRUCTURES
 - 535. MULTISCALE MODELLING OF STRUCTURAL CONCRETE
 - 536. ESTIMATION OF RE-BAR RADIUS AND CORROSION DETECTION USING GPR(GROUND PENETRATING RADAR)
 - 537. DAMAGE IDENTIFICATION THROUGH WAVE PROPAGATION MECHANICS USING LASER DOPPLER VIBROMETER
 - 538. STUDIES ON NON LINEAR VIBRATION CHARACTERISTICS OF REINFORCED CONCRETE BEAM
 - 539. PROBABILISTIC ANALYSIS OF ACOUSTIC EMISSION SIGNALS IN CONCRETE IN COMPRESSION, AND FLEXURE
- 102. ERNST & YOUNG L.L.P, COCHIN**
 - 540. IT RISK ASSESMENT AND MANAGEMENT CONSULTING ACTIVITIES
- 103. L&T, COIMBATORE**
 - 541. PRODUCT RELIABILITY AND DESIGN OF SAFETY MECHANICAL INTERLOCK
 - 542. CFD SIMULATION & OPTIMIZATION OF POST ARC FAULT EFFECTS ON LOW VOLTAGE SWITCHGEAR PANEL & MCCB
- 104. BIRLA COPPER, DAHEJ (GUJARAT)**
 - 543. A REPORT ON PHOSPHORIC ACID PLANT EXPANSION IN BIRLA COPPER, DAHEJ
 - 544. A REPORT ON SSP PLANT SETUP IN BIRLA COPPER, DAHEJ
- 105. INDIAN INSTITUTE OF PETROLEUM, DEHRADUN**
 - 545. DEVELOPMENT OF PROCESSES FOR PRODUCTION OF N-METHYL PYRROLIDONE (NMP)
 - 546. HYDROTREATING OF DE-ASPHALTED OIL AND DE-METALLIZATION OF ASPHALTENE.
 - 547. PURIFICATION OF HYDROGEN USING ADSORPTION
 - 548. MOLECULAR MODELLING AND SIMULATION
- 106. CENTRAL ROAD RESEARCH INSTITUTE, DELHI**
 - 549. CARBON FOOTPRINT AND LIFE CYCLE ANALYSIS OF ROAD CONSTRUCTION PROJECTS
 - 550. ACCIDENT COSTING EVALUATION IN INDIA
- 107. CONSILIUM, DELHI**
 - 551. UCAAS: THE CLOUD PROVISIONING SYSTEM
 - 552. UNIAGENT SOFTPHONE DEVELOPMENT
 - 553. BUSINESS PLANNING AND MARKETING ANALYSIS
- 108. DELOITTE CONSULTING INDIA PVT. LTD, DELHI**
 - 554. ROLE OF ENTERPRISE RISK SERVICES IN THE MODERN ORGANIZATIONS
- 109. EDUPRISTINE, DELHI**
 - 555. IMPLEMENTING & EXTENDING THE FEATURE LIST OF AN OPEN-SOURCE CRM
 - 556. IMPROVING WEBPAGE RANKING AND RELEVENCY USING SEO TOOLS & TECHNIQUES
 - 557. IMPLEMENTATION OF A SCALABLE APPLICATION IN DRUPAL 7

558. IMPORTANCE OF EMAIL MARKETING IN DIGITAL MARKETING
- 110. GREY ORANGE ROBOTICS PVT. LTD, DELHI**
559. HR MANAGEMENT IN GREY ORANGE ROBOTICS
560. SORTATION SYSTEM
561. BUTLER SYSTEM SERVER
562. MECHANICAL DESIGN OF BUTLER SYSTEM
- 111. HILTI INDIA PVT. LTD, DELHI**
563. STRATEGIC TERRITORY DESIGNING AND OPTIMIZATION
564. SCOPE OF HILTI PRODUCTS IN DMRC AND DIMTS & TAPPING OF ARCHITECTURAL POTENTIAL IN WEST DELHI REGION
- 112. NATIONAL COUNCIL OF APPLIED ECONOMIC RESEARCH, DELHI**
565. IMPACT OF ICT IMPLEMENTATION IN PANCHAYATI RAJ INSTITUTIONS & JUDICIAL SYSTEM IN INDIA
566. EXAMINING DIFFERENT ASPECTS OF MGNREGA ACTIVITIES IN THE STATES OF HARYANA, PUNJAB AND RAJASTHAN
- 113. NATIONAL INSTITUTE OF SCIENCE AND TECH. DEV. STUDIES (NISTADS) , DELHI**
567. ANALYSIS OF GROWTH OF MANUFACTURING SECTOR IN KARNATAKA AND MAHARASHTRA
568. AN ANALYSIS OF FAMILY RELATIONSHIP STRUCTURES IN THE INTERLOCKING DIRECTORATES OF A SAMPLE OF INDIAN COMPANIES
569. RETURN MIGRATION OF INDIAN S&T WORKERS
570. AN APPLICATION OF PATENT ANALYSIS ON TSINGHUA UNIVERSITY AND NANOTECHNOLOGY
- 114. VALUE EDGE INDIA, DELHI**
571. WEEKLY COMPETITIVE INTELLIGENCE TRACKERS
572. FDA COMPLETE RESPONSE LETTER ANALYSIS
573. CLINICAL TRIAL ANALYSIS FOR CREATING A MARKET SIZING MODEL
574. MARKET OPPORTUNITY ASSESSMENT AND FORECASTING IN RESISTANT GRAM (+VE AND -VE) BACTERIAL INFECTION SPACE FOR A MAJOR GLOBAL PHARMACEUTICAL CLIENT
575. CREATING AN EX-EUROPE ASP REPORT (A REPORT OF AVERAGE SELLING PRICE OF VARIOUS DRUGS IN ALL REGIONS, EXCEPT EUROPE) FOR VARIOUS CLIENTS, TO BE UPDATED ON A MONTHLY BASIS
576. NATIVE APPLICATIONS FOR ANDROID & IOS PLATFORMS
577. NATIVE APPLICATIONS FOR ANDROID & IOS PLATFORMS
- 115. RITE INFOTECH PVT LTD, FARIDABAD**
578. DESIGNING WEB APPLICATION USING ASP.NET WITH MVC (MODEL-VIEW-CONTROLLER) ARCHITECTURAL PATTERN
579. DEVELOPMENT OF A WEB APPLICATION USING WEB FRAMEWORKS AND MVC ARCHITECTURE
580. WEB APPLICATION DEVELOPMENT IN ASP.NET FRAMEWORK USING MVC PATTERN AND PHONE APP DEVELOPMENT USING PHONEGAP
581. WEB APPLICATION DEVELOPMENT IN ASP.NET FRAMEWORK USING MVC PATTERN
- 116. ADITYA BIRLA MANAGEMENT CORPORATION PVT. LTD, GOA**
582. DESIGN, DEVELOP AND POPULATE UNIVERSITY DASHBOARD
- 117. CROMPTON GRIEVES PPI ADHESIVE PRODUCTS LTD, GOA**
583. DEVISING A STRATEGY FOR ATTAINING 100 CRORE SALES
584. PROCESS & MECHANICAL DESIGN OF HOT MELT COATER
- 118. IFB GLOBAL, GOA**
585. DESIGN FOR MANUFACTURING AND ASSEMBLY OF AUTOMATIC DYNAMIC BALANCER FOR HORIZONTAL AXIS WASHING MACHINE
586. CLOUD CONTROLLED WI-FI ENABLED WASHING MACHINES
587. STUDY AND MODEL GENERATION OF DRUM SUSPENDED FRONT LOAD WASHING MACHINE
- 119. PENTAIR WATER INDIA PVT. LTD, GOA**
588. ANALYSIS AND IMPLEMENTATION OF CONTINUOUS FLOW IN TATA SWACH ASSEMBLY PROCESS
589. VENDOR SCORECARD MANAGEMENT & MAKING MATERIAL FLOW
- 120. ST MICROELECTRONICS(I) PVT.LTD, GREATER NOIDA**
590. C CODE EXTRACTION AND OPTIMIZATION FOR SOUND SOURCE LOCALIZATION AND HUMAN VOICE RECOGNITION
591. BENCHMARKING OF HIGH SPEED STANDARD CELL LIBRARIES
592. DESIGN, VERIFICATION & DEBUGGING OF ESD IPS
593. TEST CHIP AUTOMATION USING PERL
594. DESIGN AND ANALYSIS OF PHASE LOCKED LOOPS
595. DEVELOPMENT OF NEW METHODOLOGY FOR FASTER PLACEMENT OF DIGITAL CIRCUITS
596. POWER SUPPLY NOISE MODELLING IN MIXED SIGNAL IPS

- 597. ULTRA LOW POWER H.264 ENCODER
- 598. DIGITAL BLOCKS FOR HIGH SPEED SERIAL LINKS
- 599. VERIFICATION OF CAN SUBSYSTEM
- 600. ANALYSIS OF 1 MHZ RC OSCILLATOR AND SELF TEST BUFFER OF 10 BIT ADC
- 601. VERIFICATION OF IPS OF LEOPARD & EIGER DEVICES
- 602. ANALYSIS & DEVELOPMENT OF VERIFICATION SUITE FOR ANALOG FRONT END OF D-PHY
- 603. D-PHY TRANSMITTER DESIGN IN CMOS 28NM FDSOI
- 604. DPHY IP COMPILER (CADENCE SOC ENCOUNTER)
- 605. TEST AND DEBUG PLATFORM FOR HDMI
- 606. POWER, IR DROP AND EM ANALYSIS
- 607. DESIGN AND DEVELOPMENT OF MEMORY BIST & INTEGRATION OF PMB WITH VOLTAGE REGULATOR IP
- 608. DESIGN AND ANALYSIS OF PHASE-LOCKED LOOPS
- 121. AURUM EQUITY PARTNERS, GURGAON**
 - 609. INVESTMENT BANKING: AN ANALYST'S PERSPECTIVE
- 122. BOXBEAT TECHNOLOGIES PVT. LTD, GURGAON**
 - 610. OPERATION HANDLING IN E-COMMERCE
 - 611. DATABASE MANAGEMENT OF A E-COMMERCE SITE
- 123. ERICSSON GLOBAL INDIA PVT. LTD, GURGAON**
 - 612. UPDATE OF ICON LIBRARY OF ERICSSON
 - 613. CAPACITY MANAGEMENT AND DEMAND FORECASTING
- 124. ERNST & YOUNG PVT. LTD, GURGAON**
 - 614. JOURNAL ENTRY COMPUTER AIDED AUDITING TECHNIQUES
 - 615. DATA ANALYTICS IN EY
 - 616. JOURNAL ENTRY COMPUTER AIDED AUDITING TECHNIQUES
- 125. JABONG, GURGAON**
 - 617. VENDOR OPERATIONS MANAGEMENT AND PRODUCTION STREAMLINING
 - 618. OPERATIONS: LAUNCH OF NEW SERVICES & PROCESS OPTIMIZATION
- 126. KPMG, GURGAON**
 - 619. SOFTWARE ASSET MANAGEMENT AND CLIENT COMPLIANCE ASSESSMENT
- 127. MAHLE FILTERS INDIA LTD, GURGAON**
 - 620. ADDING STRUCTURE TO IMPORT PROCESS, REDUCTION OF INVENTORY OF IMPORTED PARTS AND ELIMINATION OF PREMIUM FREIGHT
 - 621. IDENTIFICATION OF MAJOR COST IMPACTING AREAS IN INDIRECT PURCHASES AND ANALYZING WAYS OF COST REDUCTION.
 - 622. PROCESS ESTABLISHMENT FOR SUZUKI 2-WHEELER
- 128. PANTALOONS FASHION & RETAIL LTD, GURGAON**
 - 623. OVERVIEW OF PANTALOONS & IMPROVEMENT IN SELL-THROUGH OF CORE PRODUCTS
 - 624. IMPROVEMENT AND STANDARDIZATION OF REPLENISHMENT PROCESS MARKETING RESEARCH IN RAJASTHAN MOVING AVERAGE PRICE ERROR PANTALOONS JUNIOR FASHION ICON-2014
- 129. RECKITT BENCKISER, GURGAON**
 - 625. AUTOMATION AND IMPROVEMENT OF SEED
 - 626. SEED- DEPLOYMENT AND IMPLEMENTATION OF DISTRIBUTOR MANAGEMENT SYSTEMS
- 130. SAGACIOUS RESEARCH, GURGAON**
 - 627. INTELLECTUAL PROPERTY RESEARCH
 - 628. PROTECTION OF INTELLECTUAL PROPERTY
 - 629. INTELLECTUAL PROPERTY (IP) RESEARCH: TYPES, TERMINOLOGIES, TECHNIQUES AND TOOLS
- 131. SRF LTD, GURGAON**
 - 630. BASIC DESIGNING INVOLVING ENGINEERING CALCULATIONS, PROCESS DEVELOPMENT AND DETAILING OF THE PROCESSES AT THE DESIGN STAGE
 - 631. BASIC DESIGNING INVOLVING ENGINEERING CALCULATIONS, PROCESS DEVELOPMENT AND LAYOUT OF THE PROCESS
 - 632. ROCESS ENGINEERING DESIGN FOR PILOT PLANT UPGRADATION
- 132. UOP INDIA PVT LTD (A HONEYWELL COMPANY), GURGAON**
 - 633. CONSOLIDATION OF HYDROPROCESSING VESSEL DESIGN-EXCEL TOOLS WITH WIN 254 2: HYDRAULIC FLOW DIAGRAM MODULES DEVELOPMENT
- 133. ADITYA BIRLA INSULATORS, HALOL(BARODA)**
 - 634. IMPROVING THE COMBUSTION EFFICIENCY OF A KILN
 - 635. STUDY/ MAPPING OF CAPACITY UP TO FILTER PRESS

636. BENCHMARKING OF DRYERS
- 134. ADITYA BIRLA MANAGEMENT CORPORATION PVT. LTD, HYDERABAD**
637. BITS PILANI UNIVERSITY DASHBOARD
- 135. AMAZON DEVELOPMENT CENTER, HYDERABAD**
638. NEW CUSTOMER RETURN FC UI TOOLS
639. DEVELOPMENT OF GUIDED MOVEMENT APP FOR CARRIER INTEGRATION SYSTEM
640. OVERLAP DETECTION OF COMPONENTS IN SHIPPING LABEL & LABEL TESTING CENTRAL
641. OPP BUY PORTAL MIGRATION AND FEATURE CHANGE
642. DEVELOPING THE CONTENT GALLERY PAGE FOR THE PRODUCT CUSTOMIZATION SELLER CENTRAL SELF-SERVICE AND INTEGRATING IT WITH THE BACKEND
643. REPLENISHMENT ENHANCEMENTS
644. DEVELOPMENT OF TOOLS AND FEATURES FOR INCREASING THE EFFICIENCY OF CUSTOMER SERVICE ASSOCIATES
645. DEVELOPMENT OF ON-BOARDING PORTAL FOR ALEXANDRIA
646. SELF-SERVICE PORTAL FOR NON-INVENTORY VENDORS
647. FRACS SHIPMENT CREATION ENHANCEMENTS
648. ENHANCING THE HIGH QUANTITY FEED PROCESSING SYSTEMS
649. VPS MATCHING STATISTICS
650. DOMAIN REGISTRATION AUTHORITY SERVICE
651. WORLD-WIDE 1099K PRESUMPTION RULES SYSTEM
652. PUBLIC KEY INFRASTRUCTURE FOR AMAZON
653. TEXT OVERLAP/OVERWRAP DETECTOR ON SHIPMENT LABEL & TRANSPORTATION TESTING CENTRAL
654. CHLOE SERVICE SELF-SERVE
- 136. BHARAT DYNAMICS LTD. (BDL) , HYDERABAD**
655. AERODYNAMIC ANALYSIS OF A GENERIC MISSILE USING CFD
656. COMPARISON PERFORMANCE OF DIFFERENT PID CONTROLLERS FOR DC MOTOR
657. REPLACEMENT OF 16-BIT 8051 MICROCONTROLLER BY 32BIT ARM CORTEXM3 BASED ARCHITECTURE
658. COMPARISON PERFORMANCE OF DIFFERENT PID CONTROLLERS FOR DC MOTOR
- 137. BRAVO LUCY, HYDERABAD**
659. RETAIL EXECUTION
660. DEVELOPMENT OF MEMO AND MEETING RECORDING APPLICATION
- 138. BROADCOM INDIA PVT. LTD, HYDERABAD**
661. CONFIGURATION AND TESTING OF OSPF PROTOCOL
662. DESIGN OF INFRASTRUCTURE FOR LAB AUTOMATION
663. BFD PROTOCOL IMPLEMENTATION
664. VERIFICATION OF WLAN FUNCTIONALITIES AND THROUGHPUT PERFORMANCE
- 139. CENTRE FOR DNA FINGERPRINTING AND DIAGNOSTICS, HYDERABAD**
665. MODULATION OF IMMUNE REGULATORY PROCESSES IN RABGTPASE KNOCKED DOWN MACROPHAGES
666. RELATIONSHIP BETWEEN PTSP - PTSO- PTSN PHOSPHOTRANSFERASE AND POTASSIUM HOMEOSTASIS IN E.CALI
667. MOLECULAR CHARACTERIZATION OF A LALAN LOME RECIPROCAL TRANS LOCATION + C2;22; BY FLUORESCENCE IN HYBRIDIZATION
- 140. CMC LTD, HYDERABAD**
668. A NEW PRODUCT DEVELOPMENT - TO AUTOMATE GENERATION OF CUSTOM GUI ,MENU AND REQUIREMENTS
669. SIMULATION BASED TEST ENVIRONMENT FOR DRIVER ASSISTANCE SYSTEM
- 141. COVIDIEN ENGINEERING SERVICES PVT. LTD, HYDERABAD**
670. A SYSTEMS APPROACH TO MEDICAL DEVICE TESTING
671. PRE-CONCEPTS WORKS ABBA(AUTOMATIC BLACK BOX ARCHITECTURE) REDESIGN
672. DESIGN OF REUSABLE LIVER RETRACTOR
673. DESIGN & DEVELOPMENT OF A REPOSABLE VESSEL SEALING DEVICE FOR OPEN SURGICAL PROCEDURE
- 142. FIORANO SOFTWARE TECHNOLOGIES PVT. LTD, HYDERABAD**
674. FEATURE ENHANCEMENT IN FIORANO E-STUDIO
- 143. GE JOHN F WELCH TECHNOLOGY CENTRE, HYDERABAD**
675. THERMAL SIMULATION AND DEVELOPMENT OF CLUSTER FORCE CALULATOR FOR CIRCUIT BREAKER
676. DESIGN AND ANALYSIS OF SUB SYSTEMS BASED ON PRESSURE CHARACTERIZATION FOR CIRCUIT

BREAKER

144. IMI MOBILE, HYDERABAD

- 677. TEXT CLASSIFICATION, SOCIAL MEDIA ANALYSIS AND PMG PROJECTS
- 678. KPI MONITORING SYSTEM
- 679. JAVA BASED API DEVELOPMENT
- 680. APPLICATION DEVELOPMENT IN IOS
- 681. DEVELOPMENT OF A MOBILE APPLICATION USING IBM WORKLIGHT AND RESEARCHING ON YOWSUP CHAT CLIENT
- 682. JUNIT TESTIN AND PMG PROJECTS
- 683. RESEARCH AND DEVELOPMENT OF PROFILE MANAGER
- 684. CHURN ANALYSIS FOR MOBILE SUBSCRIPTION SERVICE

145. INDIAN INSTITUTE OF CHEMICAL TECHNOLOGY, HYDERABAD

- 685. PRODUCTION OF BUTYLATED HYDROXY TOULENE
- 686. DESIGN OF REACTIVE DISTILLATION COLUMN
- 687. PROCESS INTENSIFICATION USING MICROREACTOR TECHNOLOGY
- 688. PRODUCTION OF BUTYLATED HYDROXY TOULENE
- 689. STUDY OF KETAZINE FORMATION USING ACETAMIDE CATALYST
- 690. STUDY OF AN ALTERNATE ROUTE OF KETAZINE MANUFACTURE VIA THE PEROXIDE PROCESS USING SILICA GEL AS A CATALYST.
- 691. DESIGN OF REACTIVE DISTILLATION COLUMN
- 692. STUDY OF KETAZINE FORMATION USING ACETAMIDE CATALYST

146. INFORMATICA BUSINESS SOLUTIONS PVT LTD, HYDERABAD

- 693. JUNIT TESTING CODE COVERAGE FOR THE PRODUCT TDM
- 694. DEVELOP DATA ARCHIVE USING COMMAND LINE INTERFACE

147. INSIDE VIEW, HYDERABAD

- 695. ADMIN TOOL SECURITY
- 696. LEAD ENRICHMENT VIA INFORMATION RETRIEVAL,NEWS MIGRATION TO CLOUD, ELASTICSEARCH MIGRATION
- 697. RELATION EXTRACTION FROM TEXT

148. INTERNATIONAL ADVANCED RESEARCH CENTRE FOR POWDER METALLURGY AND NEW MATERIALS, HYDERABAD

- 698. INVESTIGATIONS ON SOL - GEL DERIVED FLAME RETARDANT COATINGS ON TEXTILES
- 699. EMBEDDED SYSTEMS BASED DESIGN AND AUTOMATION OF SPIN COATER USING STEPPER MOTOR
- 700. NANO-MATERIAL SYNTHESIS FOR SOLAR CELL APPLICATION

149. JDA SOFTWARE SOLUTIONS, HYDERABAD

- 701. UTILITY DEVELOPMENT TO SUPPORT JDA INTACTIX MODULES
- 702. QUALITY CONTROL OF JDA POINT OF SALE (POS)
- 703. AUTOMATION AND REGRESSION TESTING OF JDA MAKE TO ORDER(MTO) 8.0.0 MODULES
- 704. TESTING UI FEATURES AND FUNCTIONALITY OF JDA DEMAND V8.1.1
- 705. QUALITY ASSURANCE OF JDA'S MAKE TO ORDER, COMPASS CONTRACT, PROCUREMENT PRODUCTS
- 706. CONFIGURATION MANAGEMENT AND DATABASE ADMINISTRATION

150. MICROSEMI INDIA PVT LTD, HYDERABAD

- 707. DESIGNING OF SIMULATION MODELS AND TIMING CHARACTERIZATION
- 708. CIRCUIT VERIFICATION OF SMARTFUSION2 SOC FPGAS
- 709. FULL CHIP STATIC TIMING ANALYSIS USING PRIME TIME TOOL
- 710. CIRCUIT VERIFICATION OF SMARTFUSION2
- 711. SMARTFUSION2 SOC FPGA PROGRAMMING & SECURITY VALIDATION

151. MXIT, HYDERABAD

- 712. CROSS PLATFORM APPLICATION DEVELOPMENT
- 713. INTERNAL CHAT APPLICATION

152. MY SMART PRICE, HYDERABAD

- 714. COLOR EXTRACTION USING OPENCV
- 715. IMAGE PROCESSING AND CRAWLING APPLICATIONS

153. MYLAN LABS LTD. (FORMERLY MATRIX LABS LTD.) , HYDERABAD

- 716. DEVELOPMENT AND VALIDATION OF DISSOLUTION METHOD FOR EPLERENONE TABLETS BY RP-HPLC
- 717. PREDICTING THE DURATION OF A LYOPHILIZATION CYCLE THROUGH MATHEMATICAL MODELLING TECHNIQUES

- 718. OPTIMIZATION OF PRODUCTION PROCESS OF ATYPICAL ANTIPSYCHOTIC
- 719. DEVELOPMENT OF A METHOD FOR ANALYSIS OF DRUG USING CAPILLARY ELECTROPHORESIS
- 720. DEVELOPMENT AND VALIDATION OF NEW DISCRIMINATING DISSOLUTION METHOD FOR IMMEDIATE RELEASE TABLETS CONTAINING VALSARTAN
- 721. DEVELOPMENT & VALIDATION OF STABILITY INDICATION ASSAY METHOD FOR ESTIMATION OF BOSENTAN FINISHED DOSAGE BY RP-HPLC
- 722. ANALYTICAL METHOD DEVELOPMENT OF IMPURITY IN DRUG SUBSTANCE AT GENOTOXIC LEVEL
- 723. OPTIMIZATION OF SOLVENT EVAPORATION PROCES FOR THE GIVEN DRUG
- 724. IRON COMPLEX DIAFILTRATION FOR PRUGL AND SCALE UP CIRCULATIONS FOR DRUG2
- 725. MAPPING OF PHYSICAL CHARACTERIZATION DATA FOR DRUG PRODUCTS KINETICS INVOLVED IN PARTICLE SIZE REDUCTION OF DRUG
- 726. DESIGN OF SOLVENT RECOVERY SYSTEM FOR A GIVEN API PRODUCTION
- 727. IMPROVEMENT OF SOLUBILITY OF A POORLY SOLUBLE DRUG BY THE NANO-MILLING TECHNIQUE
- 728. ENHANCING DRUG DISSOLUTION BY ATOMIZED DISPERSION TECHNOLOGY
- 729. METHOD DEVELOPMENT FOR SEPARATION OF DIASTRONOMER IMPURITY IN FOSAMPRENAVIR CALCIUM BY HPLC
- 730. A ROAD MAP TO FAILURE ANALYSIS; AN INSIGHT INTO GENERAL PROBLEMS FACED & THEIR TROUBLESHOOTING TECHNIQUES IN THE PHARMACEUTICAL INDUSTRY
- 731. DETERMINATION OF OVERAGE MOLECULAR WEIGHT OF TWO IRON COMPLEXES BY HP-GPC AND ITS PARTIAL VALIDATION
- 154. NOVARTIS, HYDERABAD**
 - 732. COMPREHENSIVE REVIEW OF THE STRATEGY INVOLVED IN THE PATENTING OF ENANTIOMER FORMS OF DRUGS
 - 733. COMPARATIVE STUDY OF REGULARITY REQUIREMENT IN US AND EU FOR GENERIC PRODUCT DEVELOPMENT
 - 734. REGULATORY PERSPECTIVE OF IVIVC WHILE FILING FOR ANDA SUBMISSIONS IN USA AND EUROPE
 - 735. PATENT CLIFF AND THE OPPORTUNITIES FOR INDIAN GENERIC MARKET AFTER 2014
 - 736. ORPHAN DRUG DEVELOPMENT THE NEXT BIG SPACE IN PHARMA DEVELOPMENT
 - 737. IMPACT OF RECENT QUALITY ISSUES ON GROWTH OF THE GENERIC DRUG INDUSTRY IN INDIA
 - 738. QUALITY BY DESIGN: A PARADIGM SHIFT FROM TRADITIONAL APPROACH IN PHARMACEUTICAL DEVELOPMENT OF SOLID DOSAGE FORM
 - 739. DATA MINING IN PHARMACOVIGILANCE
- 155. NUEVOSOL ENERGY PVT. LTD, HYDERABAD**
 - 740. DESIGN AND ANALYSIS OF SOLAR MOUNTING STRUCTURES
 - 741. DESIGN OF SOLAR MODULE MOUNTING STRUCTURES GROUND MOUNT STRUCTURES
- 156. NVIDIA GRAPHICS PVT. LTD, HYDERABAD**
 - 742. VERIFICATION OF AMC RTL USING UVM METHODOLOGY
 - 743. UNIT LEVEL VERIFICATION
 - 744. UNIT LEVEL VERIFICATION OF I2C IN UVM
 - 745. DEVELOPMENT OF TEGRAFLASH
 - 746. VERIFICATION OF CONTROLLED AREA NETWORK (CAN) PROTOCOL
- 157. ORACLE INDIA PVT LTD, HYDERABAD**
 - 747. DIAGNOSTIC UI TOOL(FUSION WEB APPLICATION)
 - 748. FUSION APPLICATIONS DEVELOPMENT
 - 749. SIMPLIFICATION OF SFO APPLICATION
 - 750. TEST AUTOMATION ASSET MANAGEMENT
 - 751. AUTOMATION IN INTEGRATED DESIGN ENVIRONMENT
 - 752. MULTIBRM TOOL AND MAPPING EDITOR TOOL
 - 753. CUSTOMIZABLE USER INTERFACE LEVERAGING METADATA SERVICES
 - 754. TEST AUTOMATION ASSET MANAGEMENT
 - 755. SIMPLIFICATION OF SFO APPLICATION
- 158. POLMON, HYDERABAD**
 - 756. SOLVENT MANAGEMENT SYSTEM IN PHARMACEUTICAL BATCH PROCESSES
- 159. POLYCOM TECHNOLOGY (R&D) CENTRE PVT. LTD, HYDERABAD**
 - 757. MANUAL TESTING IN SOFTWARE QUALITY ASSURANCE
 - 758. PREPARATION OF BEST PRACTICES AND AUTOMATION OF FORMATTING GUIDELINES USING PERL
 - 759. MANUAL TESTING (SOUND STRUCTURE & VVX SERIES)
 - 760. RELEASE SIGNING OF BUILDS
 - 761. TESTING OF POLYCOM VIDEO ENDPOINTS
 - 762. DEVELOPMENT OF MEMORY LEAK CHECK AND DEBUGGING HDX FIRMWARE

- 160. PUZZOLANA MACHINERY FABRICATORS ENGINEERING LTD, HYDERABAD**
763. DESIGN AND ANALYSIS OF A CUTTER SUCTION DREDGER
764. STUDY AND DESIGN OF BUCKET ELEVATORS AND DESIGN OF AIRFOIL
765. DESIGN AND ANALYSIS OF A CUTTER SUCTION DREDGER
766. STUDY AND DESIGN OF HYDRO CYCLONES & BANANA SCREENS
- 161. SANDILYA CONSULTING ENGINEERS, HYDERABAD**
767. USE OF DESIGN SOFTWARES IN PRESENT DAY CONSTRUCTION CONSULTING
768. INTERNSHIP / PRACTICAL TRAINING
769. STRUCTURAL DESIGNING AND ANALYSIS OF 3BHK,2BHK & 1BHK FLAT COMPLEX USING STAAD PRO V8I.
- 162. SIGNODE INDIA LTD.,RUDRARAM, HYDERABAD**
770. VARIABLE PRODUCTS, FORMATION OF PROPOSALS AND CYCLE TIME ANALYSIS
771. DESIGN OF STORAGE RACKS FOR AUTOMATED WAREHOUSE SYSTEM
- 163. SILICON IMAGE R&D PVT LTD, HYDERABAD**
772. DESIGN OF PHASE LOCKED LOOP (PLL)
773. DESIGN OF LOW NOISE PLL
- 164. TECH VEDIKA SOFTWARE PVT. LTD, HYDERABAD**
774. LOW POWER LOCATION SENSING ANDROID APPLICATION
775. LEARNING PROGRESSION/LTI TOOL IMPLEMENTATION/KALEIDOSCOPE/TESTCOMPLETE
776. CSFR/CLOUD PRINTING/VIDYAT
- 165. VASANT CHEMICALS AND ORGANICS LTD.**
777. A STUDY ON SOLVENT RECOVERY SYSTEM.
778. A SUDY ON SOLVENT RECOVERY SYSTEM AND EFFLUENT TREATMENT SYSTEM.
- 166. NBC BEARINGS, JAIPUR**
779. STUDY THE FORCES ON SEAL LIP AND ITS SUSTAINABILITY FOR BALL BEARING
780. DESIGN AND DEVELOPMENT OF PROFILED FREEWHEELING CLUTCH
- 167. NK BUILDCON, JAIPUR**
781. CITY DEVELOPMENT PLAN OF ELEVEN TOWNS OF RAJASTHAN
- 168. STELLARIX CONSULTANCY SERVICES PVT LTD, JAIPUR**
782. OVERVIEW OF PRIOR-ART SEARCH
- 169. CENTURY RAYON, KALYAN(MUMBAI)**
783. ZINC RECOVERY IN CENTURY RAYON PLANT AND REDUCING ITS ENVIRONMENTAL IMPACT
- 170. DEVELOPMENT CONSULTANTS PVT. LTD. (DCPL), KOLKATA**
784. STUDY OF VARIOUS UNIT OPERATIONS/PROCESS AND EQUIPMENT
785. DESIGN AND ESTIMATION OF INDUSTRIAL STRUCTURES
- 171. LINDE INDIA LIMITED, KOLKATA**
786. AIR SEPARATION PROCESS
787. PROCESS DESCRIPTION, SIMULATION AND MODIFICATION OPPORTUNITIES IN CRYOGENIC AIR SEPARATION UNIT
788. STUDY OF CONCEPTS AND PRACTICAL WORKING OF AIR SEPARATOR UNIT FUNCTIONING, INSTALLATION AND COMMISSIONING ALONG WITH WORK DONE TO AS PART OF A TEAM INVOLVED IN PROJECT IMPLEMENTATION.
- 172. TEGA INDUSTRIES LTD, KOLKATA**
789. WASTAGE AND REJECTION CONTROL IN ORDER TO IMPLEMENT QUALITY ENVIRONMENT (5S)
790. IMPROVEMENT IN DESIGN OF SHORT INSERT TO REDUCE THE WASTAGE OF RAW MATERIAL AND RUBBER
- 173. TEXMACO, KOLKATA**
791. COMPUTATIONAL INTELLIGENCE BASED APPROACHES FOR GRAIN-SIZE REFINEMENT OF HADFIELD STEEL AND COST REDUCTION OF ELECTRIC ARC FURNACE
- 174. CHAMBAL FERTILIZERS AND CHEMICALS LTD, KOTA**
792. CALCULATION OF SPECIFIC ENERGY OF AMMONIA 1 PLANT BY CONSIDERING EACH EQUIPMENT SEPARATEL AND CALCULATION OF EFFICIENCY OF ALL MAJOR HEAT EXCHANGERS IN AMMONIA 1 AND AMMONIA 2 PLANT.
793. CALCULATION OF SPECIFIC ENERGY OF AMMONIA 1 PLANT BY CONSIDERING EACH EQUIPMENT SEPARATELY
- 175. ADITYA BIRLA CORPORATE IT, MUMBAI**
794. ACTIONABLE ANALYTICS IN FERTILIZER BUSINESS
795. ANNUAL I.T. CSAT 2013-14 & CHANGE MANAGEMENT ASSIGNMENTS
- 176. ADITYA BIRLA CORPORATE WORLD CLASS MANUFACTURING, MUMBAI**
796. PRODUCTIVITY & QUALITY IMPROVEMENT IN SPINNING PROCESS

797. EXPLORATORY STUDY OF THE CEMENT SUPPLY CHAIN VALUE STREAM MAPPING AND WASTE IDENTIFICATION OF THE ENQUIRY-TO-CASH PROCESS
798. INTRODUCTION AND IMPLEMENTATION OF ROLLOUT KIT (SELF MAINTENANCE MODULE) FOR ADITYA BIRLA INDUSTRIES.
799. APPLYING QUEUEING THEORY TO REDUCE CROWD AND STREAMLINE THE MOVEMENT OF PEOPLE IN THE SODEXO CANTEEN
- 177. ADITYA BIRLA SCIENCE & TECHNOLOGY COMPANY LTD, MUMBAI**
800. POLYMER GRAFTING ONTO CARBON BLACK
801. PROCESS MODELING OF BINARY (SOLVENT/WATER) AND TERNARY SYSTEM (CELLULOSE/SOLVENT/WATER)
802. DEPOLYMERIZATION OF PULP IN A SODIUM HYDROXIDE SOLUTION
803. NON CONVENTIONAL SYNTHESIS OF LOW CARBON CEMENT
- 178. CMC LTD, MUMBAI**
804. TALKING ATM LOCATOR
- 179. CREDIT SUISSE, MUMBAI**
805. FOREIGN EXCHANGE RISK MANAGEMENT THROUGH SCENARIO ANALYSIS
806. ECONOMIC RISK CAPITAL(ERC) METHODOLOGY
807. FORECASTING CHANGES TO MSCI DM EUROPE INDEX
808. EMPIRICAL TESTING OF VAR AND STUDY OF RISK ADJUSTED COST OF CAPITAL
809. COLLATERAL TRADING AND LIQUIDITY MANAGEMENT
810. MARKET RISK FEEDS
811. VALUE AT RISK AND AND ITS IMPLEMENTATION IN RISK MANAGEMENT AT CREDIT SUISSE
812. STRATEGIC RISK MANAGEMENT: PRIME SERVICES (EMEA)
813. STRATEGIES IN OPTIONS TRADING
814. MARKET RISK REPORTING
815. COUNTERPARTY CREDIT RISK Â CREDIT VALUATION ADJUSTMENTS
816. BASEL III IMPACT ANALYSIS
817. VALUE AT RISK AND AND ITS IMPLEMENTATION IN RISK MANAGEMENT AT CREDIT SUISSE
- 180. DBOI (DEUTSCHE BANK), MUMBAI**
818. FX SENSITIVITY ANALYSIS
819. CREDIT RISK MANAGEMENT UNDER THE BASEL GUIDELINES
- 181. DELOITTE CONSULTING INDIA PVT. LTD), MUMBAI**
820. SOFTWARE LICENSING REVIEW OF MICROSOFT PRODUCTS
821. SOFTWARE LICENSE REVIEW : IVSA & LCC
822. SOFTWARE LICENSING REVIEW OF IBM PRODUCTS
823. ROLE OF ENTERPRISE RISK SERVICES IN DELOITTE
- 182. DEVELOPMENT CONSULTANTS PVT. LTD. (DCPL)), MUMBAI**
824. ANALYSIS AND DESIGN OF THERMAL POWER PLANT PROJECTS
- 183. DORSCH CONSULT (INDIA) PVT. LTD), MUMBAI**
825. PREPARATION OF VENDOR DATABASE & STANDARDIZATION OF CIVIL ENGINEERING PRACTICES
- 184. DOW CHEMICAL INTERNATIONAL PVT LTD, MUMBAI**
826. TO UNDERSTAND THE SOLUBILITY PLATFORM IN THE PHARMACEUTICAL INDUSTRY AND VARIOUS EXCIPIENTS AND TECHNOLOGIES USED BY PHARMA COMPANIES FOR THE SAME
827. UNDERSTANDING THE WASH Â OFF IN TEXTILE SEGMENT AND REVERSE OSMOSIS MARKET IN INDIA
828. PREMIUM EXTERIOR PAINTS IN INDIA
829. TO DEVELOP BETTER UNDERSTANDING OF THE NEEDS OF WASTE WATER TREATMENT OEM IN INDIA AND DEVICE STRATEGY HOW TO SERVICE THEM EFFECTIVELY
- 185. EDUPRISTINE, MUMBAI**
830. ONLINE AND DIGITAL MARKETING
831. EMAIL MARKETING ANALYTICS AND CUSTOMER LIFE CYCLE ANALYTICS
832. 832. DATA SCIENCE
- 186. ERNST & YOUNG PVT LTD, MUMBAI**
833. DATA ANALYTICS AT E&Y
- 187. GEOMETRIC LIMITED, MUMBAI**
834. CONICAL FILLET RECOGNITION AND PARAMETERIZATION AND COMPUTING A TIGHT FITTING BOX FOR A GIVEN SOLID PART
835. COMPUTING THE SIDE PULL DIRECTIONS FOR UNDERCUT REGIONS IN INJECTION MOLDING
- 188. GODREJ, MUMBAI**
836. VALIDATION OF THE DEFECT DETECTING SYSTEM

837. PROCESS YIELD AND PROCESS CAPABILITY STUDY
- 189. HOURGLASS RESEARCH, MUMBAI**
838. PATENT ANALYTICS - PATENT LANDSCAPES,PATENTABILITY SEARCHES AND INFRINGEMENT SEARCHES
839. INTELLECTUAL PROPERTY AND PATENT LICENSING STUDIES
- 190. J.P. MORGAN SERVICES INDIA PVT. LTD, MUMBAI**
840. REIT LISTING IN INDIA
841. STATE OF THE TELECOMS SERVICES SECTOR IN EUROPE
842. EVALUATION OF PROJECTS WITH GLOBAL RESEARCH CENTER
843. CEMENT INDUSTRY OVERVIEW AND POTENTIAL M&A OPPORTUNITIES
844. OVERVIEW OF AGRICULTURE EQUIPMENTS INDUSTRY
845. GLOBAL SPIRITS AND BEER MARKET
846. SOUTH KOREA LIFE INSURANCE OVERVIEW
847. PRIVATE EQUITY IN EMEA
848. OVERVIEW OF FMCG SECTOR IN INDIA
849. CORPORATE HYBRID BOND MARKETS
850. OVERVIEW OF INDIAN EQUITY CAPITAL MARKETS
851. OVERVIEW OF SMART CARD INDUSTRY
- 191. J.P.MORGAN CHASE, MUMBAI**
852. BASEL REFORMS, RATIOS AND TOOLS
853. OVERVIEW OF CORPORATE ACTION
854. FIXED INCOME INSTRUMENT
855. DIRECT CUSTODY & CLEARING - CORPORATE ACTIONS
856. GLOBAL TRADE FINANCE
857. JP MORGAN CHASE, SERVICES INDIA PRIVATE LIMITED & STRAIGHT THROUGH PROCESSING
858. SIX SIGMA AND UAT
859. F AND A BENCHMARKING PROCESS AND STANDARDIZATION OF BOT EXCEPTIONS VALIDATION
860. RISK MANAGEMENT & INSURANCE ENTERPRISE RISK MANAGEMENT
861. BASEL REFORMS, RATIOS AND TOOLS
- 192. KPMG, MUMBAI**
862. SOFTWARE LICENSING COMPLIANCE
- 193. MORGAN STANLEY ADVANTAGE SERVICES, MUMBAI**
863. DB MANAGER
864. LS-POC AND LOAN MANAGEMENT PORTAL RELEASE
865. GOVERNANCE FOR INFORMATION MANAGEMENT TOOL DEVELOPMENT
866. DEVELOPING DATA QUALITY DASHBOARDS USING QLIKVIEW
867. REAL-TIME RECOMMENDATIONS
868. MOBILE APPLICATION FOR PROFIT & LOSS REPORTING
869. A METADATA DRIVEN GRAPHICAL USER INTERFACE
- 194. MORNINGSTAR, MUMBAI**
870. A CASE FOR PASSIVE INVESTING
- 195. MSCI- CLIENT SERVICES, MUMBAI**
871. STUDY AND RESPONSE TO PROPOSALS FOR CLIENTS
872. LIQUIDITY RISK
- 196. MSCI- DATA MANAGEMENT, MUMBAI**
873. EFFECT OF CORPORATE EVENTS ON MARKET DATA
- 197. MSCI FINANCIAL PLANNING & ANALYSIS, MUMBAI**
874. MSCI FINANCIAL PLANNING AND ANALYSIS
- 198. MSCI- QUANTITATIVE EQUITY RESEARCH, MUMBAI**
875. MSCI FACTOR (RISK PREMIA) INDICES
- 199. NATIONAL STOCK EXCHANGE OF INDIA LTD, MUMBAI**
876. DEVELOPMENT OF A MICRO WEBSITE FOR NSE
877. ANALYSIS ON INITIAL PUBLIC OFFERING
- 200. PANTALOONS FASHION & RETAIL LTD, MUMBAI**
878. FASHION AND RETAIL STORE MARKETING
879. DESIGN AND IMPLEMENTATION OF TALENT MANAGEMENT FRAMEWORK AT PFRL STORES

- 880. CREATION OF STANDARDIZED MANAGEMENT INFORMATION SYSTEM AT PFRL & ITS AUTOMATION
- 881. OPEX REDUCTION AND CUSTOMER SERVICE ENHANCEMENT AT PFRL
- 882. DESIGN AND SYNCHRONIZATION OF DAILY SALES REPORT AT PFRL STORES, WEST ZONE
- 883. JOB ANALYSIS & EVALUATION AT PFRL
- 201. SKODA AUTO INDIA PVT. LTD, MUMBAI**
 - 884. SYSTEM DEVELOPMENT FOR REAL TIME ENQUIRY PERFORMANCE
 - 885. DATA ANALYSIS OF PENDING VEHICLES AND MAJOR CAMPAIGNS
- 202. ULTRATECH CEMENT LTD, MUMBAI**
 - 886. ULTRATECH CEMENT TRACKING SYSTEM (CEMTRAK)
 - 887. RURAL SALES AND DISTRIBUTION STRATEGIES FOR CEMENT INDUSTRY
- 203. VAKILMEHTASHETH, MUMBAI**
 - 888. ANALYSIS AND DESIGN OF HIGH - RISE RESIDENTIAL AND COMMERCIAL BUILDINGS
 - 889. ANALYSIS AND DESIGN OF RCC STRUCTURES
- 204. GRASIM CHEMICAL DIVISION, NAGDA**
 - 890. EXHAUSTIVE STUDY OF THE POLY ALUMINIUM CHLORIDE (PAC) PRODUCTION FACILITY
- 205. GRASIM INDUSTRIES LTD, NAGDA**
 - 891. IMPLEMENTATION OF DISTRIBUTED CONTROL SYSTEM (SUGGEST EFFECTIVE DCS TO THE CURRENTLY USED PLC AT H₂SO₄ ACID PLANT)
 - 892. QUALITY CONTROL ASPECTS OF SOLVENT SPINNING PROCESS
- 206. SKYLINE CONSULTING ENGRS PVT. LTD, NAGPUR**
 - 893. ANALYSIS, DESIGN AND DETAILING OF STRUCTURES
 - 894. COMPUTING STRUCTURAL SOLUTION FOR R.C.C. & STEEL STRUCTURES
- 207. OIL COUNTRY TUBULAR LTD, NARKETPALLY**
 - 895. ANALYSIS OF THREAD WEAR-OFF IN TUBULAR THREADED CONNECTIONS
 - 896. ANALYSIS OF GEAR FAILURE IN LIFTING SYSTEM OF QUENCHING UNIT
 - 897. PLC BASED AUTOMATIC COUPLING SPRAY PAINTING SYSTEM
 - 898. CHROME PLATING A SEAMLESS PIPE MANDREL BAR AND TOOL LIFE IMPROVEMENT
 - 899. DESIGN PROPOSALS FOR AUTOMATIC PHOSPHATING SYSTEM
- 208. ADOBE, NOIDA**
 - 900. PREDICTIVE ANALYSIS OF CUSTOMER ATTRITION
 - 901. DEVELOPING AN ANALYTICS BASED SYSTEM TO ANTICIPATE BUILD FAILURE/SUCCESS AND ERROR PROXIMITY OF THE VARIOUS COMPONENTS OF A BUILD WITH HIGH ACCURACY
- 209. LEXINNOVA, NOIDA**
 - 902. INTELLECTUAL PROPERTY RIGHTS: PATENTS
- 210. OPERA SOLUTIONS, NOIDA**
 - 903. VEKTOR PLATFORM
 - 904. MACHINE LEARNING ALGORITHMS
- 211. SYNOPSISYS, NOIDA**
 - 905. STUDY AND ANALYSIS OF SINGLE AND DUAL PORT SRAM COMPILERS IN 55 AND 28 NANOMETER TECHNOLOGY
 - 906. STUDY AND ANALYSIS OF SRAM IN 16 NANOMETER TECHNOLOGY
 - 907. STUDY AND ANALYSIS OF SINGLE PORT SRAM MEMORIES AND ON CHIP FREQUENCY SYNTHESIS USING PHASE LOCKED LOOPS
- 212. ADITYA BIRLA MANAGEMENT CORPORATION PVT. LTD, PILANI**
 - 908. DESIGN, DEVELOP & POPULATE DASHBOARD FOR BITS PILANI UNIVERSITY
- 213. CENTRAL ELECTRONICS ENGINEERING RESEARCH INSTITUTE, PILANI**
 - 909. RECONFIGURABLE RF MEMS ANTENNA
 - 910. REDUNDANCY SWITCH MATRIX
 - 911. CONTROL OF ROBOT USING GESTURES
- 214. AUTODESK, PUNE**
 - 912. SENTIMENT ANALYSIS AND DEVELOPMENT OF A RECOMMENDATION ENGINE
 - 913. GAMIFICATION OF CAD FOR MOBILE DEVICES AND PORTING AUTODESK TINKERBOX TO ANDROID
- 215. AVAYA INDIA, PUNE**
 - 914. ELECTRIC CHAINSAW - A DEBUGGING TOOL AND ANDROID PBAP PROFILE
 - 915. USER INTERFACE FOR AVAYA ONE-X AGENT TEST AUTOMATION
 - 916. REAL DATA STREAMING SNAP IN ON COLLABORATION ENVIRONMENT
 - 917. METRIC SYSTEM , COMPAS & CULEBRA

- 918. FOR AVAYA VOICEMAIL PRO AND CONTINUOUS INTEGRATION WITH BAMBOO
- 919. DEVELOPMENT OF WEB AUTOMATION TOOL FOR AVAYA AURA COMMUNICATION MANAGER ARCHITECTURE
- 920. AUTOMATION USING SELENIUM WEBDRIVER FOR AVAYA AURA
- 921. AUTOMATION WITH SILKTEST
- 922. AGENT EMULATOR
- 923. PERFORMANCE AUTOMATED MANAGEMENT AND DATA VALIDATION
- 924. DEPLOYMENT OF NAGIOS, OPENSTACK AND DEVELOPMENT OF QR CODE APP AND WOL
- 216. B.G.SHIRKE CONSTRUCTION TECHNOLOGY PVT. LTD, PUNE**
 - 925. PLANNING & DESIGN OF MASS HOUSING PROJECTS USING INNOVATIVE PRECAST TECHNIQUE
- 217. BATELLE SCIENCE AND TECHNOLOGY INDIA PVT LTD, PUNE**
 - 926. DEVELOPMENT OF GUI FOR GAS SENSOR, DEVELOPMENT OF TIME CARD, DEVELOPMENT OF A TECHNOLOGY SELECTION WEBSITE
 - 927. DEVELOPMENT OF SENSOR FOR EARLY DETECTION OF FOOD SPOILAGE.
 - 928. MECHANICAL AND SOFTWARE DESIGN OF CONTACT ANGLE GONIOMETER.
 - 929. IDENTIFICATION OF BIOMARKERS FOR DETECTION OF SPECIFIC COMPONENTS OF BLOOD.
- 218. BHARAT FORGE LTD, PUNE**
 - 930. STUDY OF THE GAUGES USED ON THE CRANKSHAFT AND NON-CRANKSHAFT LINES AND MODIFICATION OF THE PERPENDICULARITY GAUGE FOR THE FRONT AXIAL BEAM TO REDUCE PRODUCTION CYCLE TIME
 - 931. DESIGNING OF THE FIXTURE AND MANUFACTURING OF VARIOUS FRONT AXLE BEAMS ON SNYDER LINE
 - 932. VALUE STREAM MAPPING OF CL-5 (MCD- II) FOR MTU CRANKSHAFTS D-3729 AND D-3726
 - 933. DESIGNING OF THE FIXTURE AND MANUFACTURING OF VARIOUS FRONT AXLE BEAMS ON SNYDER LINE
- 219. CADENCE, PUNE**
 - 934. IMPLEMENTATION OF SAMPLING RATE CONVERTER ON HIFI2&HIFI3 PROCESSORS
 - 935. EXCEPTION HANDLING ON XTENSA MICROPROCESSOR
- 220. CREDIT SUISSE, PUNE**
 - 936. ADMINISTRATOR ROLES & LINE CHANGE ACTIVITIES FOR PRODUCT
 - 937. SINGAPORE BRANCH DAILY PNL & BOOK OPENING HAND OVER
 - 938. STRUCTURED TRADE REVIEWS, PRICE TESTING & REPORTING
 - 939. FOBO RECONCILIATION FOR ASIA PACIFIC STOCK LOAN BORROW
 - 940. AUTOMATION OF DAILY TRADE ACTIVITIES ATTRIBUTION
 - 941. MONTH END RECONCILIATION & BOOK SYNCHRONIZATION
 - 942. RISK MEASUREMENT & MANAGEMENT
 - 943. RISK PROCESS CHANGE MANAGEMENT
 - 944. COUNTERPARTY CREDIT RISK - QUERY RESOLUTION & ANALYSIS
 - 945. TECHNICAL FOCUS & STRUCTURED TRADE REVIEWS FOCUS GROUP PROCESSES
 - 946. MARKET RISK CHANGE MANAGEMENT
 - 947. CREDIT RISK DATA MONITORING
 - 948. CREDIT VALUATIONS AND STRUCTURED TRADE REVIEW
 - 949. RISK PROCESS CHANGE MANAGEMENT: MARKET RISK
 - 950. RECONCILIATION OF FRONT OFFICE AND BACK OFFICE DATA
 - 951. MAPPING OF UNMAPPED EXPOSURE OF CREDIT SUISSE
 - 952. RISK FACTOR IDENTIFICATION
 - 953. DATA MANAGEMENT AND CONTROL (DMC)
 - 954. VALUE AT RISK
 - 955. CREDIT RISK CHANGE MANAGEMENT
 - 956. DAILY TRADE ATTRIBUTION AND PRICE TESTING
 - 957. INVESTMENT BANKING CLIENT FINANCE CONSOLIDATION
- 221. DIVGI WARNER (P) LIMITED, PUNE**
 - 958. ANALYSIS OF PRODUCTION PLANNING SOFTWARE, PREPARATION OF PRODUCTION PLANNING MANUAL AND COST RE-EVALUATION OF AUTO-LOCKING HUB AND TRANSFER CASE
- 222. EATON TECHNOLOGIES, PUNE**
 - 959. USEFUL LIFE PREDICTION OF POWER ELECTRONIC COMPONENTS BASED ON THEIR DEGRADATION ANALYSIS
 - 960. FUEL ECONOMY PREDICTION IN MEDIUM DUTY VEHICLES WITH DIFFERENT GEAR LAUNCHES.
- 223. FAB INDIA, PUNE**

961. DEVOPS
962. A REPORT ON BIG DATA USING PENTAHO
- 224. IDEAS - SAS, PUNE**
963. REVENUE OPTIMIZATION ALGORITHM
964. SFDC CASES ANALYSIS
- 225. LSI RESEARCH & DEVELOPMENT PVT. LTD, PUNE**
965. PHYSICAL DESIGNING AND STATIC TIMING ANALYSIS
966. VERIFICATION OF IS PROTOCOL OF ITUDY2C MASTER SLAVE AND ST
967. IMPLEMENTATION OF ADAPTIVE VOLTAGE SCALING (AVS) TECHNIQUE
968. EMULATION OF COBRACORE EXPANDER ON XILINX VIRTEX-7 AND ALTER
969. VERIFICATION OF I2C MASTER SLAVE AND STUDY OF ITS PROTOCOL
- 226. LUPIN RESEARCH PARK, PUNE**
970. DEVELOPMENT AND OPTIMIZATION OF PUSH- PULL OSMOTIC PUMP (PPOP) BILAYER TABLETS OF BCS CLASS II DRUG AND ITS CHARACTERIZATIONS.
971. IN-VITRO STUDY OF COMPOUND X AS PER JAPAN BIO-EQUIVALENCE GUIDELINE
972. DEVELOPMENT OF ANALYTICAL METHOD TO DETERMINE THE ASSAY AND DRUG RELEASE OF DRUG PRODUCT
- 227. NVIDIA GRAPHICS PVT. LTD, PUNE**
973. ANDROID MEDIA ANALYZER FRAMEWORK
974. ELF CONSISTENCY CHECKER TOOL
975. GPU FIRMWARE DEVELOPMENT
976. WINDOWS ERROR REPORTING (WER) SUPPORT FOR OPTIMUS ROUTING LAYER DRIVER GPU LATENCY TOOL APPLICATION DEVELOPMENT
977. PROOF OF CONCEPT FOR INCREMENTAL BUILDS
978. TOOLS AND EXPERIMENTS TO IMPROVE THE QUALITY OF GAMECASTING
- 228. REFLEXIS SYSTEMS INDIA PVT LTD, PUNE**
979. REFLEXIS INVENTORY MANAGEMENT SYSTEM
980. REWE TOUCH-UI DEVELOPMENT
981. PUSH NOTIFICATION TO IOS DEVICE USING APACHE CAMEL
982. AUTOMATED TESTING FRAMEWORK
- 229. SKF INDIA LTD, PUNE**
983. VIBRATION SCRAP REDUCTION & ABRASIVE WHEEL OPTIMIZATION
984. MARKET STUDY AND BUSINESS CASE PREPARATION FOR CLUTCH RELEASE BEARING UNIT
985. DESIGNING OF PREPROCESSOR & MODIFICATION OF CLAMPING UNIT FOR HONING MACHINE
986. ENERGY CONSERVATION IN DGBB PLANT OF SKF -PUNE
- 230. SKODA AUTO INDIA PVT. LTD. (CHAKAN) , PUNE**
987. OFFLINE ACCESSORIES FITMENT CENTRE
988. LOCALIZATION OF 1.5L TDI ENGINES AT VOLKSWAGEN
989. LOCALISATION SUPPORT FOR NEW AND RUNNING PROJECTS OF SKODA BOTH FOR PUNE AND AURANGABAD PLANTS.
- 231. SPICER INDIA LTD, PUNE**
990. RESOLUTION OF PROBLEM PERTAINING TO THE TORQUE TRANSFER IN A MODEL 160 AXLE
991. MEAN TIME BETWEEN FAILURE IMPROVEMENT OF CRITICAL MACHINES
- 232. TATA AUTOCOMP SYSTEMS LTD, PUNE**
992. MARKET STUDY, SALES ANALYSIS AND NEW PRODUCT INTRODUCTION.
993. DEVELOPMENT AND MARKETING OF E-LEARNING
994. ALTERNATE SOURCING OF EXTENSION PIECE
995. PROGRAM MANAGEMENT & OPERATIONS OF E-LEARNING
996. ASSEMBLY LINE PROCUREMENT AND COST SAVING FOR B-562 PBL (PARKING BRAKE LEVER) ASSEMBLY FOR TATA FICOSA
- 233. TATA MOTORS, PUNE**
997. DESIGN OF JIGS AND FIXTURES ON PLANT REQUIREMENT
998. ENGINEERING CHANGE MANAGEMEN
999. DESIGN OF FIXTURES FOR 4SP AND 497 ENGINES AND THEIR COMPONENTS.
1000. DESIGN OF FIXTURES FOR 4SP & 1.2T REVOTRON ENGINE COMPONENTS
- 234. TATA TECHNOLOGIES, PUNE**
1001. PART MANUFACTURING AND GENERATION OF PART PROGRAM USING EDGE CAM
1002. LIGHTWEIGHT ARCHITECTURE AND BENCHMARKING

1003. SEAM WELD MODELING TECHNIQUES IN FEA
1004. AUTOMOBILE CABIN HEAT SOAK TEMPERATURE MODELING USING DYMOLA
1005. OPTIMIZATION OF CHASSIS FRAME BY PARAMETERIZATION OF SELECTED DIMENSIONS THROUGH CAE ANALYSIS
- 235. VICTOR GASKETS INDIA LTD, PUNE**
1006. SYNCHRONISATION OF HEIJUNÅKA ACROSS THE SUPPLY CHAIN USING DMAIC METHODOLOGY
1007. PRODUCTIVITY IMPROVEMENT OF GASKET SCREEN PRINTING AREA
- 236. CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE**
1008. IMPACT BEHAVIOUR OF REINFORCED CONCRETE BEAMS
1009. EFFECT OF RAFT STIFFNESS ON THE RESPONSE OF PILED-RAFT FOUNDATIONS
- 237. RSV CONSTRUCTION PVT. LTD, SECUNDERABAD**
1010. LAYING OF BIDAR GULBARGA RAILWAY TRACK
- 238. ACE BUSINESS AND MARKET RESEARCH GROUP , SURAT**
1011. MARKET RESEARCH ON MEDICAL DEVICE MARKET
1012. MARKET ANALYSIS OF NORTH AMERICA RESPIRATORY DEVICES MARKET GROWTH AND FORECAST TO 2018
1013. PREPARATION OF MARKETING MATERIAL FOR SYNDICATED REPORTS
1014. GLOBAL TRENDS IN CARDIOVASCULAR DRUGS MARKET: OUTLOOK THROUGH 2013
1015. GLOBAL ONCOLOGY MARKET
1016. GLOBAL ONCOLOGY MARKET TRENDS & PIPELINE ASSESSMENT
- 239. ADITYA BIRLA CHEMICALS LTD, THAILAND**
1017. TO DESIGN AND FABRICATE A POWDER SAMPLING MECHANISM TO REDUCE HUMAN INTERVENTION AND HENCE SOURCE OF CONTAMINATION IN FOOD GRADE PRODUCT
1018. ANALYSIS AND IMPROVEMENT OF SULFITES PRODUCTION PROCESS AND STUDY OF VALUE ADDITION PRODUCTS
- 240. CENTRE FOR DEVELOPMENT OF IMAGING TECHNOLOGY (C-DIT), TRIVANDRUM**
1019. IMPLEMENTATION OF AN ERP SYSTEM
1020. PROJECT MANAGEMENT SOFTWARE
- 241. LAW PANDITS, TRIVANDRUM**
1021. MARKETING STRATEGIES AND BUSINESS DEVELOPMENT STRATEGIES FOR LAW PUNDIT
1022. BUSINESS ANALYSIS AND DEVELOPMENT USING FINANCIAL FRAMEWORK
- 242. HINDUSTAN ZINC LIMITED, CHITTORGARH, UDAIPUR**
1023. STANDARD OPERATING PROCEDURE OF MERCURY REMOVAL PLANT AND SINTER PLANT CRITICAL ACTIVITY WORK INSTRUCTIONS
1024. ROLE OF INSTRUMENTATION IN THE IMPERIAL SMELTING FURNACE PLANT
1025. STANDARD OPERATING PROCEDURE OF ELECTRICAL DEPARTMENTS WITH DAY TO DAY WORK AND MAINTENANCE PROCEDURES
- 243. ATUL LTD, VALSAD/ANKLESHWAR**
1026. CHEMICAL PROCESS OPTIMIZATION: CONVERSION OF BATCH REACTORS OF MERCURY RECOVERY PLANTS (SHED C) TO CONTINUOUS PROCESS
1027. DESIGNING A DISTILLATION COLUMN FOR METHANOL RECOVERY ANALYZING VARIOUS PACKING FOR THE COLUMN
- 244. JSW STEEL LTD., VIJAYANAGAR WORKS, VIJAYNAGAR**
1028. A MATHEMATICAL PROGNOSIS FOR GRINDABILITY OF A BALL MILL TO FORTIFY ITS RENDITION
1029. PREDICTION OF COKE STRENGTH AFTER REACTION(CSR) BY DATA ANALYSIS
1030. PRODUCTION UNIT LOAD OPTIMIZATION AT COLD ROLLING MILL AND STEEL PROCESSING CENTRES LIMITED
1031. A DATA MINING APPROACH FOR MODELING THE BATCH ANNEALING PROCESS
-

LIST OF PROJECT ASSIGNMENTS FOR FIRST SEMESTER 2014-2015

1. SKYQUEST TECHNOLOGY CONSULTING PVT LTD, AHMEDABAD

1. TECHNOLOGY LANDSCAPING OF WOUND CARE, TINNITUS CARE, PGPR SEED COATING TECHNOLOGY, HOSPITAL INFECTIONS & HOME CARE TECHNOLOGIES
2. LANDSCAPING AND SCOUTING OF TECHNOLOGIES

2. ATUL LTD, ALIGARH

3. ENERGY AUDIT OF UTILITY EQUIPMENTS IN VARIOUS PLANTS
4. INVENTORY MANAGEMENT OF COLORS AND BI UNITS AND ITEM GROUP 31
5. INCREASING THE PRODUCTION OF ISOPROTHIOLANE IN DIURON PLANT FROM 11 MT TO 15MT
6. FEASIBILITY OF ISOPROTHIOLANE PRODUCTION IN INDOXA
7. FEASIBILITY OF LAMBDA CYHALOTHRIN PRODUCTION IN INDOXA 1
8. METHANOL AND ETHANOL RECOVERY BATCH COLUMN DESIGN.

3. SKODA AUTO INDIA PVT. LTD. AURANGABAD

9. WORKPLACE ANALYSIS AND PROCESS OPTIMISATION OF AUDI A3/Q3 LINE
10. ONE DAY ADVANCE PLANNING OF MATERIAL FOR SKODA AND VW CARS
11. SUPPLY LINE OPTIMIZATION FOR SKODA AND VW CARS

12. FIELD FAILURE MONITORING OF SKODA CARS

4. ALTAIR ENGINEERING INDIA PVT. LTD, BANGALORE

13. AUTOMATION OF THERMAL LOAD CREATION ALONG A WELD LINE
14. DEVELOPING VERIFICATION DUMP READING TOOL FOR ENSIGHT AND LSDYNA POSTPROCESSOR RESULT FILES AND ALSO DEVELOPING OF ACTIVE CONTROL THROUGH A CAB FILE
15. BUILD VERIFICATION TESTING FOR THE NVH DIRECTOR
16. VARIOUS TEST RIG DEVELOPEMENTS

5. AMADEAUS SOFTWARE LABS INDIA PVT. LTD, BANGALORE

17. USER INTERFACE FOR BIN TABLE MAINTANENCE
18. GHOSTING FRAMEWORK FOR EXTERNAL SYSTEMS

6. AMAZON DEVELOPMENT CENTER, BANGALORE

19. DEVELOPMENT OF A/B TEST EXPERIMENTS ANALYSIS TOOL FOR AMAZON CONSUMER WEBSITE AND
20. DESIGN AND DEVELOPMENT OF REQUEST-LEVEL LATENCY METRIC ANALYSIS TOOL FOR AMAZON CONSUMER WEBSITE
21. DEVELOPING A FRAMEWORK FOR REPLAYING PRODUCTION AMAZON USER AND DEVELOPING A WEB BASED APPLICATION FOR MONITORING HEALTH OF DEVELOPMENT
22. CREATING ACCESSORIES PAGE FOR EU MARKETS AND EXTENSION OF ALOHA ASIN HEALTH CHECKER FOR EU MARKETS
23. TOP CONTRIBUTORS:TOP PUBLISHERIDS ,UA IPS CONTRIBUTING TO ROBOTIC TRAFFIC.
24. DEVELOPMENT OF DASHBOARD FOR JUNGLEE QA MOBILE TEAM
25. IMPROVEMENTS TO ABUSE INVESTIGATION TOOLS
26. EFFICIENCY ENHANCEMENT OF COMPONENT REVERSAL ORDERING WORKFLOW SERVICES
27. DASHBOARD DEVELOPMENT FOR JUNGLEE PREFLIGHTS
28. DEVELOPMENT OF ANDROID INTERPRETER APPLICATION FOR AMAZON INSTANT VIDEO SERVICE
29. ENABLING SELF SERVICE OF PRODUCT AGGREGATOR CONFIGURATIONS USING TENANCY CONFIGURATION SYSTEMS
30. DEVELOPMENT OF CONFIGURATION SET USER INTERFACE ON ECOMMERCE PLATFORM MANAGEMENT CONSOLE
31. DEVELOPMENT OF DASHBOARD FOR QUALITY METRICS AND HEALTHCHECK MONITORING OF ENVIRONMENT
32. STUDY AND OPTIMIZATION OF AMAZON WIRELESS CARRIER FEED INGESTION AND PUBLISHING PROCESS
33. FRAMEWORK DEVELOPMENT FOR UI FUNCTIONAL TESTING OF AMAZON CONSUMER WEBSITE DETAIL PAGE &DOUBLE DEVELOPMENT OF DASHBOARD FOR MONITORING AND ANALYSIS OF AMAZON WEBSITE DETAIL PAGE DEPLOYMENT CYCLES&DOUBLE
34. DEVELOPMENT OF LOGAUDIT PORTAL
35. SELLER REWARDS
36. TEMPLATE DESIGNER, ASIN UPDATER AND ASIN RETRIEVER
37. ANALYTICS PLATFORM DEVELOPMENT
38. PAYMENT AUTOMATION FOR JUNGLEE WEBSITE ASSOCIATES
39. RESPONSIVE DESIGN FOR AMAZON STUDENT AND CAMPUS

7. ANALOG DEVICES, BANGALORE

40. VERIFICATION OF HIGH PERFORMANCE DSP PROCESSORS
41. TESTING AND VALIDATION OF A NEW MICROCONTROLLER, AND DEVELOPMENT OF AN API TO INTERFACE SD CARD THROUGH SPI PROTOCOL.
42. FUNCTIONAL VERIFICATION OF RTL
43. TO REDUCE THE POWER CONSUMPTION IN MEMS SENSOR CHIP
44. UNDERSTANDING THE CONCEPTS OF SCATTER LOADING, FLASH AND SRAM BASED CONFIGURATION PROGRAMS AND IMPLEMENTING THE SAME IN KEIL FOR CM40X MICROCONTROLLER AND DEVELOPMENT OF FAT32 APIS TO INTERFACE SD/MMC CARD WITH BF707 MICROCONTROLLER

8. APPCITO NETWORKS PVT.LTD, BANGALORE

45. ENABLING CODE COVERAGE FOR APPCITO ADC
46. CLIENT PROGRAMMING IN THRIFT PROTOCOL

9. APTEAN, BANGALORE

47. DESIGNING SQL SERVER REPORTING SERVICES, VM MANAGEMENT TOOL AND BDT ROOT CAUSE.
48. CODED UI BASED AUTOMATION AND ITS APPLICATION IN QA UI TESTING
49. AUTOMATION OF CRM AND ERP PRODUCTS

- 50. STABILIZING MADE2MANAGE 7.5
- 51. QA TESTING AUTOMATION USING CODEDUI TESTS AND AUTOMATION FRAMEWORKS.
- 10. ARM, BANGALORE**
 - 52. READ/WRITE SENSITIVE DEVICE MODULE
 - 53. VERIFICATION AND FUNCTIONAL COVERAGE ANALYSIS OF CACHE COHERENT TRAFFIC INJECTOR
 - 54. CONFIGURATION & SIGN OFF FOR CORTEX A7 MPCORE MICROPROCESSOR ON 16 NM TECHNOLOGY & POWER PLANNING FOR 28NM CORTEX-A53 HPM/HPC MICROPROCESSOR
 - 55. MEMORY MARGINING AND AUTOMATION
 - 56. TOP LEVEL VALIDATION OF ADVANCED ARM PROCESSORS
 - 57. THE DESIGN AND IMPLEMENTATION OF ARCHITECTURAL CHECKER
 - 58. NETLIST EXTRACTION AND FIGURE OF MERIT ANALYSIS
 - 59. BENCHMARKING THE PERFORMANCE OF A NEW CPU
 - 60. GENERATION OF ASSEMBLY TESTCASES FROM EXCEL BASED ARCHITECTURE REGISTER TABLE
- 11. ARUBA NETWORKS, BANGALORE**
 - 61. DEVELOPING A WI-FI ANALYSIS TOOL FOR WI-FI TROUBLESHOOTING.
 - 62. ARUBA DEVICE POWER SUPPORT THROUGH USER INTERFACE & ARUBA INVENTORY MANAGEMENT SYSTEM (AIMS)
 - 63. ENHANCEMENT OF TESTING SUITE AND NETWORK ACCESS SIMULATOR FOR CPPM (CLEARPASS POLICY MANAGER)
 - 64. DESIGNING AND BUILDING MOBILE DEVICE MANAGEMENT(MDM) SIMULATOR AND A TOOL FOR GENERATING ALL THE POSSIBLE RESPONSE FILES FOR IT
 - 65. TOOL DEVELOPMENT FOR SUPPORT AND ENHANCEMENT OF ARUBA CENTRAL
 - 66. ARUBA MOBILITY CONTROLLERS: A STUDY BASED CONCEPT LEARNING, TESTING AND IMPLEMENTATION
- 12. ARVIND INTERNET, BANGALORE**
 - 67. DEPLOYMENT SYSTEM AND OFFLINE WEBSITE SYSTEM SETUP
 - 68. RESTRUCTURING OF JEANS AND CHINOS BRIGHTNESS
 - 69. CUSTOMISE BRANDING PLATFORM
 - 70. JEANS RESTRUCTURIZATION, CHINOS BRIGHTNESS-CONTRAST ALTERATION
 - 71. CHECKOUT FLOW AND ORDER MANAGEMENT SYSTEM
 - 72. UI DEVELOPMENT.
 - 73. FRONT-END DEVELOPMENT TEAM
 - 74. CUSTOMISE BRANDING PLATFORM
 - 75. DEPLOYMENT SYSTEM AND OFFLINE WEBSITE SYSTEM SETUP
 - 76. CHECKOUT FLOW AND ORDER MANAGEMENT SYSTEM
 - 77. CATALOGUE MANAGEMENT SYSTEMS AT ARVIND INTERNET LTD
 - 78. TESTING DEVELOPMENT AND EXPANSION OF CREYATE.COM
- 13. AZUL SYSTEMS, BANGALORE**
 - 79. TEST CREATION AND AUTOMATION FOR ZING
- 14. BECKMAN COULTER (FORMERLY REAMETRIX INDIA P LTD), BANGALORE**
 - 80. DESIGN AND DEVELOPMENT OF IMMUNE MONITORING PRODUCTS- DURACLONE TRI T-STAT CD3/CD4/CD45 REAGENT, DURACOUNT C AND DURACOUNT B BEADS
 - 81. DEVELOPMENT OF STORAGE BUFFER SHOWING COMPATIBILITY WITH DURACLONE REAGENTS AND STUDY OF A 6 COLOR IMMUNOFLUORESCENCE STAIN PANEL IN ASSOCIATION WITH COUNTING BEADS ON FLOW CYTOMETERS
- 15. BIDGELY, BANGALORE**
 - 82. FIRST TACTICAL DEPLOYMENT
 - 83. AUTOMATED TESTING AND BENCHMARKING OF DISAGGREGATION ALGORITHMS
- 16. BLUE JEANS NETWORK INDIA PVT. LTD, BANGALORE**
 - 84. INCREASING EFFICIENCY OF TRANSCODER BY IMPLEMENTATION OF CHUNKING OF RECORDINGS AND TESTING FEW FEATURES OF BLUE JEANS
 - 85. TEST AUTOMATION OF BLUE JEANS NETWORK WEB USER INTERFACE. & DEVELOPMENT OF PRODUCTIVE TOOLS FOR QUICK MONITORING OF THE PROGRESS OF TEAMS.
 - 86. MOBILE TEST AUTOMATION AND REST-API TEST AUTOMATION OF BLUEJEANS APPLICATION
 - 87. WEB AUTOMATION FRAMEWORK UPGRADATION AND PERFORMANCE TESTING OF PRIMETIME
 - 88. ENHANCING WEB ACCESSIBILITY FOR PEOPLE WITH WIDE RANGE OF DISABILITIES & DEVELOPMENT ENVIRONMENT SETUP AUTOMATION USING DOCKER
 - 89. BLUEJEANS BROWSER EXTENSIONS DEVELOPMENT AND TEST AUTOMATION OF BLUEJEANS WEB APP
 - 90. DEVELOPMENT OF A FRAMEWORK TO MONITOR API LATENCIES AND INDIGO AUTOMATION
- 17. BOSCH, BANGALORE**
 - 91. 3D CFD SIMULATIONS USING OPENFOAM
 - 92. LOCALIZATION & COST REDUCTION PROJECTS
- 18. BROADCOM INDIA PVT LTD, BANGALORE**
 - 93. DESIGN VALIDATION OF SPDIF RECEIVER AND MULTI-CHANNEL AUDIO INTERFACE RECEIVER MODULES OF AUDIO BLOCK
 - 94. VERIFICATION OF A LAYER-2 ETHERNET SWITCH
 - 95. DESIGN FOR TESTABILITY FOR VLSI DESIGNS
 - 96. DESIGN AND DEVELOPMENT OF AUDIO CODEC
 - 97. GATE LEVEL SIMULATIONS
 - 98. A REPORT ON DESIGN VALIDATION OF SPDIF RECEIVER AND MULTI-CHANNEL AUDIO INTERFACE RECEIVER MODULES OF AUDIO BLOCK
 - 99. Verification of 3D Graphic IP
 - 100. OPTIMIZATION OF AUDIO CODEC ALGORITHMS
 - 101. Structural Testing of a layer 2 Ethernet Switch

- 102. POST SILICON VALIDATION OF ARM based SoC
- 103. OPTIMIZATION OF AUDIO CODEC ALGORITHMS
- 19. CA TECHNOLOGIES, BANGALORE**
 - 104. DEVELOPING AND MAINTAINING THE MCC ADMIN CONSOLE OF ENTERPRISE MOBILITY
 - 105. EMV CONTACTLESS POS SIMULATOR, MOBILE3DS
 - 106. ENHANCING THE FUNCTIONALITY OF CA MCM
 - 107. EMERGING TECHNOLOGIES IN E-COMMERCE RELATED TO DIGITAL PAYMENTS AND SECURITY
 - 108. EMERGING TECHNOLOGIES IN E-COMMERCE RELATED TO PAYMENTS AND SECURITY
 - 109. EMERGING TECHNOLOGIES IN E-COMMERCE RELATED TO PAYMENTS AND DIGITAL SECURITY.
- 20. CENTRE FOR ARTIFICIAL INTELLIGENCE & ROBOTICS, BANGALORE**
 - 110. DESIGN OF END EFFECTOR FOR A SOIL SCOOPING ROBOT
 - 111. FORCE CONTROL OF 4 LEGGED WALKING ROBOT
 - 112. FORCE CONTROL OF LEGGED ROBOT
 - 113. FORCE CONTROL OF A FOUR LEGGED ROBOT
 - 114. DESIGN OF END EFFECTOR FOR A SOIL SCOOPING ROBOT
 - 115. HUMAN ACTIVITY ANALYSIS USING CONVOLUTIONAL NEURAL NETWORKS
 - 116. DESIGN OF AUTOMATIC SCOOPING SYSTEM FOR SOIL SAMPLE COLLECTION IN AREAS INACCESSIBLE TO HUMANS
 - 117. SENTIMENT ANALYSIS
 - 118. FORMULATION AND SIMULATION OF HETEROGENEOUS MULTI-ROBOT EXPLORATION STRATEGIES
- 21. CSR, BANGALORE**
 - 119. PBAP Client 1.2
 - 120. AUTOMATION TESTING
 - 121. EMBEDDED APPLICATION DEVELOPMENT
 - 122. RATE ADAPTATION & CHANNEL ASSESSMENT TESTING
 - 123. ASIC SECURITY DESIGN
- 22. DERRICK PETROLEUM, BANGALORE**
 - 124. INTEL BYTES US ON SHORE AND EXPLORATION
 - 125. UPSTREAM OIL & GAS INDUSTRY
 - 126. DEVELOPMENT OF EXPLORATION WELLS DATABASE
 - 127. BUSINESS ANALYSIS OF UPSTREAM OIL AND GAS INDUSTRY
 - 128. DEVELOPMENT OF THE EXPLORATION WELLS DATABASE
 - 129. BUSINESS ANALYSIS OF UPSTREAM OIL & GAS INDUSTRY
 - 130. INTEL BYTES-US ONSHORE
 - 131. INTEL BYTE US ONSHORE; STATOIL UNCON
- 23. DREAMWORKS ANIMATION, BANGALORE**
 - 132. STUDY AND DEVELOPMENT OF FEATURES IN STUDIO TOOLS
 - 133. TECHNICAL DIRECTION IN DREAMWORKS ANIMATION PRODUCTION
- 24. EBAY INDIA DEVELOPMENT CENTRE, BANGALORE**
 - 134. BUSINESS WEB INSIGHTS –SERVICE
 - 135. STORES PERSONALIZATION
 - 136. WEB INTELLIGENCE TO GATHER BUSINESS INSIGHTS
 - 137. GAMIFICATION OF MERCHANT ONBOARDING FLOW
 - 138. MERCHANT DEVELOPMENT AND SELLER ANALYSIS
 - 139. USING MACHINE LEARNING FOR DERIVING SELLER INSIGHTS AT EBAY
 - 140. FINANCIAL PLANNING & ANALYSIS FOR DESIGNATED MARKET AREAS AND STUBHUB
 - 141. BROWSER PLUGIN FOR RECORDING FLOW AND CONVERT TO MAUI/BREEZE
 - 142. DEVELOPMENT AND TESTING OF WEBFLOWS
 - 143. SELF-HOSTED VIDEO PLATFORM
 - 144. SIFM (SELL IT FOR ME) GUIDANCE TOOL
- 25. EMC, BANGALORE**
 - 145. STORAGE MANAGEMENT INITIATIVE SPECIFICATIONS AND EMC VIPR SRM&APOS;S COLLECTING AND ALERTING MODULES
 - 146. HARDWARE INVENTORY TOOL AND AUTOMATION OF E-FT (EMBEDDED FAST TOOLS) & E-NAS (EMBEDDED NETWORK ATTACHED STORAGE) TEST CASES USING TESTCOMPLETE FRAMEWORK
 - 147. NETWORK CONFIGURATION MANAGER MIGRATION FROM JBOSS TO SPRING
 - 148. GENERIC RULE EDITOR FOR CREATING RULE TEMPLATES FOR STORAGE COMPLIANCE
 - 149. FAILOVER MANAGER OPERATIONS FOR EMC SMARTS PRODUCTS
 - 150. REST CLIENT DEVELOPMENT FOR APPSYNC DATA REPLICATION MANAGEMENT SOFTWARE.
- 26. ENSCI - A UNIT OF WEIR MINERALS INDIA PVT. LTD, BANGALORE**
 - 151. RUBBER SLEEVE COMPRESSION ANALYSIS
 - 152. VACUUM VALVE ACTUATION
 - 153. A COMPARISON OF DIFFERENT PATTERNS OF PERFORATED FLAME ARRESTER ELEMENT THROUGH EXPERIMENT AND SIMULATION
 - 154. ANALYSIS OF HINDERED SETTLING CLASSIFIER TO OPTIMIZE SEPARATION EFFICIENCY AND KNIFE GATE VALVE TESTING
- 27. ERICSSON GLOBAL INDIA PVT LTD, BANGALORE**
 - 155. DOS ATTACK PREVENTION IN SDN
 - 156. DEVELOPMENT OF SDN APPLICATION ECOSYSTEM
 - 157. DEVELOPMENT OF A NETWORK DEBUGGING AND VISUALIZATION TOOL
 - 158. OSI MODEL L2-L3 SOLUTIONS FOR THE DATA CENTRE
 - 159. ASSESSMENT OF SOFTWARE STACKS FOR SCALABILITY TESTS
 - 160. SOFTWARE DEFINED NETWORKING ANALYTICS TOOL
 - 161. DEVELOPING A TROUBLESHOOTING APPLICATION FOR A LIVE SDN NETWORK.
 - 162. IMPROVEMENTS IN OPENDAYLIGHT INFRASTRUCTURE IN CONTEXT OF CLUSTERING & DATASTORE

- 163. SDN APPLICATION ECOSYSTEM
- 164. NETWORK ANALYTICS AND VISUALIZATION TOOL
- 165. ASSESSMENT OF OPEN SOURCE SOFT STACKS
- 28. FIBER LINK, BANGALORE**
 - 166. ENHANCEMENTS FOR REGISTRATION PORTAL AND PORTAL MANAGER
 - 167. BUG FIXING (IOS & PORTAL) AND SOFTWARE TESTING (ANDROID)
 - 168. ENHANCEMENT OF MAAS360 ADMIN APP , WEBSITE DESIGNING FOR MAAS360 ANDROID APP STORE AND APP BRANDING AUTOMATION
 - 169. DESIGN OF NOTES CONTAINER FOR THE PERSONAL INFORMATION MANAGER COMPONENT OF MAAS360
 - 170. DEVELOPMENT OF ENTERPRISE GATEWAY FOR MAAS360
 - 171. TRUSTEER THREAT MANAGEMENT INTEGRATION FOR ANDROID, ANDROID FOR WORK
- 29. FIORANO SOFTWARE TECHNOLOGIES PVT. LTD, BANGALORE**
 - 172. CREATING AND TESTING OF FIORANO ADAPTERS
 - 173. COMPREHENSIVE TESTING AND DEVELOPMENT OF WEB CONSOLE FOR FMQ
 - 174. FIORANO SOA: TESTING & ENHANCEMENT
- 30. FLIPKART ONLINE SERVICES PVT. LTD, BANGALORE**
 - 175. DEVELOPMENT OF INTERNET AND SMS CHAT APPLICATION FOR FLIPKART USERS
 - 176. FLIPKART WEBSITE LOCALISATION
 - 177. CUSTOMER RETURN AT FLIPKART
 - 178. DESIGNING OF CONSOLIDATED DASHBOARDS FOR PROCUREMENT DIVISION
 - 179. DEVELOPING FEATURES FOR FLIPKART APP ON WINDOWS PHONE 8.1
 - 180. AUTOMATION OF MULTI-DEVICE PREVIEWS OF E-MAILERS USING LITMUS
 - 181. SUPPORT FOR LOG ATTACHMENTS AND ERROR MESSAGES IN AZKABAN (OPENSOURCE JOB SCHEDULER) ALERTS
 - 182. DEVELOPMENT OF SERVICES; HEALTH MONITORING SYSTEM WITH OUTLIER DETECTION.
 - 183. CONFIGURATION MANAGER FOR LOAD BALANCER
 - 184. USER PERSONA CLASSIFICATION FOR HYPERTARGETED MARKETING USING MACHINE LEARNING
 - 185. BUILDING A WORKFLOW TO ENABLE SELLER DATA VERIFICATION
 - 186. OPTIMIZING FLIPKART SERVICE DESK SEARCH
 - 187. REVERSE IMAGE SEARCH
 - 188. DESIGN AND IMPLEMENTATION OF DISTRIBUTED AND SCALABLE SCHEDULER. EXTRACTION AND VISUALIZATION OF EMAILS OPEN. CLICKS STATISTICAL DATA
 - 189. IMPLEMENTATION OF ENHANCEMENTS TO WINDOWS EBOOKS APP
 - 190. DEVELOPING OFFERS FOR MOBILE APP
 - 191. DATA GOVERNANCE AT FLIPKART - DESIGN AND DEVELOPMENT
 - 192. RETAIL ANALYTICS FOR BOOKS AND GENERAL MERCHANDISE
 - 193. CUSTOMER PLATFORM ANALYTICS
 - 194. PAYMENT GATEWAY DOWNTIME PREDICTION
 - 195. PREDICT USER'S PERSONA FOR HYPER TARGETED MARKETING
 - 196. AUTOMATION OF RATE CARD UPDATE
 - 197. INTEGRATING CLOUD TELEPHONY SERVICES WITH CRM
 - 198. PROMISE ADHERENCE DASHBOARD FOR CUSTOMER SUPPORT
 - 199. DEVELOPMENT OF RULES SERVICE FOR PHOENIX SYSTEM
 - 200. VALIDATION FRAMEWORK FOR INVOICES
 - 201. INGESTION OF ACCRUALS INTO BIGFOOT
 - 202. SERVICE TO RUN AND LOG CRONS.
 - 203. BIGFOOT DATA INGESTION
 - 204. INTRODUCING HANDHELDS IN THE WAREHOUSE AND SELLER RETURN REJECT FLOW
 - 205. DEVELOPMENT OF QLIK-VIEW DASHBOARD FOR CSAT AT VARIOUS LEVELS.
 - 206. CREATION OF A TRENDING DASHBOARD/REPORT FOR REVENUE ANALYSIS AND CONVERSION DROP FOR TRAFFIC QUALITY ANALYSIS
 - 207. IMPLEMENTATION OF ENHANCEMENTS TO WINDOWS EBOOKS APPLICATION
 - 208. MIS-SHIPMENT ALERT INDICATOR AND BIGFOOT DATA INGESTION
 - 209. DEVELOPMENT OF USER INTERFACES FOR SELLER RESOURCE MANAGEMENT
 - 210. SMART NOIFIER - NOTIFICATION BROADCASTER ON INTERACTIVE GATEWAY
 - 211. WEIGHING INTELLIGENCE
 - 212. DESIGNING OF COST DASHBOARD FOR LARGE APPLIANCES AND SERVICE BRAND ANALYSIS.
 - 213. DOWNLOADING AND PARSING STATEMENTS IN MT940 FORMAT AND HISTORICAL FUND POSITIONING
 - 214. MOBILE APPLICATION DEVELOPMENT FOR DELIVERY HUBS
- 31. GENPACT, BANGALORE**
 - 215. GENPACT DET DEVELOPMENT
 - 216. CHURN ANALYSIS,INDUSTRIAL MAPPING
 - 217. Competitive ANALYSIS OF INDUSTRIAL SOLUTIONS, A BUSINESS SEGMENT OF GE ENERGY MANAGEMENT
- 32. GLOBAL LOGIC, BANGALORE**
 - 218. DESIGN AND IMPLEMENTATION OF ONLINE SHOP DISCOVERY AND SHOP MANAGEMENT SYSTEM (IPSUM)
 - 219. DESIGN OF ONLINE SHOP DISCOVERY AND MANAGEMENT APPLICATION (IPSUM)
- 33. GOLDMAN SACHS INDIA PVT. LTD, BANGALORE**
 - 220. DOCUMENTATION OF INTERNAL SYSTEM RECONCILIATION REPORT
 - 221. 10B10 TRADE CONFIRMATIONS
 - 222. ENTERPRISE SYSTEMS MANAGEMENT AND DTC SETTLEMENTS AND RECONCILIATIONS
 - 223. A STUDY OF EXOTIC DERIVATIVES AND THEIR GLOBAL MARKET.

- 224. ANALYSIS OF COLLATERAL POSITIONS COMING IN AND OUT OF GS FROM POSITION REPORTING PERSPECTIVE
- 225. INITIAL MARGIN CALCULATION
- 226. LOANS INNOVATION FOR EFFICIENCY
- 227. PRIVATE WEALTH MANAGEMENT : CLIENT DATA CONTROL MONITOR
- 228. CREDIT RATING REVIEW AND DIRTY FLAG REPORT
- 229. CLIENT ASSET PROTECTION AS PER CFTC REGULATIONS, FCA BACK REPORTING & HONG KONG STAMP DUTY
- 230. CLIENT CONTROL MONITOR
- 231. CONFIRMATION DRAFTING AUTOMATION
- 232. CLEARING OPERATIONS INCOME AND FINANCE
- 233. TESTING AUTOMATION, PROJECT 2: CONFIRM ANALYTICS
- 234. EQUITY DERIVATIVE RECONCILIATION
- 235. PROCEDURE DOCUMENTATION AND EMAIL MANAGER AUTOMATION
- 236. AUTOMATION AND REVAMP OF INTERNAL REPORTS
- 237. TEAM ROOM UTILIZATION AND PREDICTIVE ATTENDANCE MODEL
- 34. HILTI INDIA PVT. LTD, BANGALORE**
 - 238. ANALYSIS ON REASONS OF DORMANCY FOR SELECTED CUSTOMERS OF HILTI, BANGALORE.
 - 239. ANALYSIS ON CONSTRUCTION MARKET FOR DRILL BITS & DIAMOND CORING IN BANGALORE
- 35. HINDUSTAN UNILEVER RESEARCH CENTRE, BANGALORE**
 - 240. EFFECT OF FOAM MICROSTRUCTURE ON FOAM DRAINAGE AND FLOW BEHAVIOR IN FOAMS
 - 241. EFFECT OF DOBS (ANIONIC SURFACTANT) ON SWEEP FLOCCULATION BY ALUMINIUM SALTS
- 36. ILABS, BANGALORE**
 - 242. PLATFORMS AGGREGATION FOR ACCELERATED CLIENT ONBOARDING
 - 243. DEVELOPING AND MAINTAINING [24]7 CENTRAL AND APPLICATION DEVELOPMENT PLATFORM
 - 244. EMAIL TEMPLATING AND AUTOMATION FRAMEWORK AT [24]7 ASSIST
 - 245. BUILDING A DATA FLOW PIPELINE USING HADOOP TECHNOLOGIES
- 37. INFINERA, BANGALORE**
 - 246. SERIAL FLASH CONTROLLER DESIGN FOR FPGA
 - 247. FUNCTIONAL VERIFICATION OF TRIF BLOCK
 - 248. LINT AND CONSTRAINT FLOW CREATION
 - 249. XIS WEB CLIENT
 - 250. FEATURE AUTOMATION TESTING
 - 251. SGMII MODEL DEVELOPMENT
- 38. INFORMATICA BUSINESS SOLUTIONS PVT LTD, BANGALORE**
 - 247. POWEREXCHANGE FOR LDAP FOR INFORMATICA'S DI RELEASE 10.0.0
 - 248. TEAM BASED DEVELOPMENT FOR INFORMATICA ADMINISTRATOR
 - 249. SEGMENT ANALYZER TOOL AND CLOUD MDM PERFORMANCE PROFILER
 - 250. BUSINESS GLOSSARY DESKTOP APPLICATION
 - 251. PLUGINS FOR INFORMATICA VIBE DATA STREAM
 - 252. TO ENHANCE UPGRADE-TEST FRAMEWORK TO SUPPORT DESTRUCTIVE CHANGES
 - 253. PROFILING AND LOGGING USING ASPECT
 - 254. INTEGRATION OF PMD WITH PERFORCE SWARM
 - 255. GRAPH DATABASES(NEO4J,ORIENTDB) PERFORMANCE TESTING.
 - 256. INFORMATICA CONNECTOR TOOLKIT FEATURE EXTENSION
 - 257. MAHOUT IMPLEMENTATION FOR ML IN RULEPOINT
 - 258. DATA TRANSFORMATION WEB APPLICATION DEVELOPMENT FOR EXCEL
- 39. INTEL INDIA TECHNOLOGY PVT. LTD, BANGALORE**
 - 259. DEVELOPMENT OF WRISTBAND FOR CONTINUOUS MEASUREMENT OF HEART RATE USING PZT SENSOR
 - 260. POWER CHARACTERIZATION AND HARDWARE ACCELERATION OF ECG EDGE ALGORITHMS
 - 261. PREDICTION OF RADIATED EMISSIONS FROM A TABLET
 - 262. IMPLEMENTATION OF L1 NORM OPTIMIZATION TO CREATE COMPRESSIVE SENSING DESIGN SPACE
 - 263. IMAGE BASED OBJECT RECOGNITION
 - 264. INTELLIGENT VALIDATION FRAMEWORK
 - 265. INTEGRATION OF CAMERA IP TO SOC USING COLLAGE & WORKING ON DISPLAY BLOCK OF SOC
 - 266. ECG EDGE COMPRESSION
 - 267. DEVELOPMENT OF AN APP FOR AUTOMATING THE CODE COVERAGE ANALYSIS, DOXYGEN USAGE AND CUSTOMIZING THE DOCUMENTATION GENERATED USING DOXYGEN AND UNIT TESTING FRAMEWORK
 - 268. TESTBENCH QUALIFICATION UTILITY TO IMPROVE THE VERIFICATION ENVIRONMENT
 - 269. FORMAL VERIFICATION AND REGRESSION AUTOMATION
 - 270. PRE-SILICON VALIDATION OF PCU UNIT USING FORMAL BASED JASPERGOLD APP
 - 271. UI DEVELOPMENT FOR EMC EXERCISER
 - 272. APPLICATION OF STEREO CAMERAS
 - 273. EXTRACTING PERFORMANCE STATISTICS FROM ARCHITECTURAL MODELS FOR USE OF RTL SIMULATIONS
 - 274. EXECUTABLE MEMORY AS NVM
 - 275. AUTOMATION OF REGRESSION TESTING ON 3D GFX PIPE ARCHITECTURE
 - 276. RUNTIME SECURITY EXTENSIONS FOR AMBA FABRIC
 - 277. OBJECTIVE AND SUBJECTIVE ANALYSIS OF AUDIO DROPS IN MULTIMEDIA SYSTEMS
 - 278. PHYSICAL DESIGN AUTOMATION
 - 279. PERFORMANCE ANALYSIS OF GRAPHICS TURBO ALGORITHMS ON INTEL PLATFORMS WITH ANDROID

280. DEVELOPMENT OF NON INVASIVE AND CUFF LESS BLOOD PRESSURE MEASUREMENT TECHNIQUES.
281. DEVELOPMENT OF TRACE AND DEBUG TOOL
282. GENERIC SOC FOR WEARABLE AND IOT DEVICES
283. A TECHNIQUE TO CALCULATE G-FORCES IN VEHICLES FOR TELEMATICS APPLICATIONS
- 40. ITW, BANGALORE**
284. NOISE REDUCTION IN HYDRAULIC SYSTEMS
285. NADCAP METAL TESTING AND DOCUMENTATION
286. COMPREHENSIVE SYSTEM VALIDATION
287. AUTOMATIC MOUNTING OF EXTENSOMETER
- 41. J.P. MORGAN CHASE, BANGALORE**
288. PROCESSING AND RECONCILIATION OF DERIVATIVES AND PRICING AUTOMATION OF DERIVATIVES
289. EXTRACTION OF EXECUTION RATES FOR AUTOMATION
290. RECONCILIATION IN A BANK AND VALUE ADDITION TO REDUCE MANUAL INPUT
291. ANALYSIS AND RECONCILIATION OF HEDGE FUND TRADES IN JP MORGAN CHASE
292. REPORT ON TRADE SETTLEMENTS
293. ROOT CAUSE ANALYSIS FOR KICKBACK OF PAYMENTS FOR NOSTRO RESOLUTIONS
294. FUNCTIONING OF RECONCILIATION OPERATION UNIT (MIS) AND DEVELOPMENT AND TESTING OF XCEPTOR TOOL
295. SYDNEY MANAGED FUNDS
296. TECHNOLOGY FIXES AND AUTOMATION
- 42. JDA SOFTWARE SOLUTIONS, BANGALORE**
297. THE DEVELOPMENT AND DESIGN OF AN INTERNAL CUSTOMER MANAGEMENT SYSTEM FOR JDA SOFTWARE PVT. LTD., BANGALORE
298. STUDY OF JDA CLOUD SHARED SERVICES AUTOMATION IN PRODUCT SUPPORT ENVIRONMENT
299. SCRIPTING FOR AUTOMATION ON VARIOUS TASKS
300. DEVELOPMENT OF AN APPLICATION CHECKS TOOL USING .NET & C#
301. QUALITY ASSESSMENT IN JDA SEQUENCING
302. STUDY OF JDA CLOUD SHARED SERVICES & AUTOMATION IN PRODUCT SUPPORT ENVIRONMENT
303. THE DEVELOPMENT AND DESIGN OF AN INTERNAL CUSTOMER MANAGEMENT SYSTEM WEBSITE FOR JDA SOFTWARE PVT. LTD.
304. DISTRIBUTION CENTRIC SUPPLY CHAIN INTEGRATION
305. QUALITY ASSESSMENT IN DUTY MANAGEMENT SOFTWARE
306. WEB APPLICATIONS FOR ABPP STUDIO AND RECOMMENDER SYSTEMS
307. AUTOMATION OF DATABASE REFRESH
308. SHIFT4 PAYMENT GATEWAY INTEGRATION WITH MMHF PRODUCT OF JDA & CONTINUOUS INTEGRATION OF POS+
309. EMPLOYEE SHIFT & ONCALL ALLOWANCE SYSTEM
310. BUILDING A SAMPLE BOOKSTORE APPLICATION IN ABPP STUDIO AND FIXING OP ENGINE ISSUES
311. REPORT AUTOMATION IN SPACE PLANNING USING VBA
312. AUTOMATION OF DB BACKUP FOR INTACTIX PROJECTS ON CONTROL-M & AUTOMATED EMAILS ALERTS FOR PRODUCT DUPLICATES IN DATABASE
- 43. KPMG, BANGALORE**
313. SOFTWARE ASSET MANAGEMENT
- 44. LANTIQ INDIA PVT. LTD, BANGALORE**
314. UVM AND FORMAL VERIFICATION
315. VERIFICATION AND PATTERN RESIMULATION OF A COMMUNICATION CHIP W-5
316. VARIOUS METHODOLOGIES USED TO VERIFY SEMICONDUCTOR CHIPS
- 45. MARKETSHARE INFOTECH INDIA PVT. LTD, BANGALORE**
317. RESTART FUNCTIONALITIES IN OPTIMISER PRODUCT AND CREATING CLIENT INFORMATION PORTAL FOR OPTIMISER PRODUCT
318. ADDING FUNCTIONALITIES TO OPTIMIZER PRODUCT TO MAKE IT MORE USER-FRIENDLY.
319. CREATING A OPTIMIZER CLIENT-INSTANCE INFO PORTAL
320. ADDING APP SIDE RESTART FUNCTIONALITIES IN OPTIMIZER PRODUCT.
321. DEVELOPED A OPTIMIZER CLIENT INFO WEB PORTAL
- 46. MEDIA IQ DIGITAL, BANGALORE**
322. DIGITAL ADVERTISING & MARKETING- STRATEGIES & CAMPAIGN ANALYSIS (CONTEXTUAL ANALYSIS)
323. RE-TARGETING STRATEGY IN DIGITAL ADVERTISING
324. DEVELOPMENT OF DPI-MANAGER SERVICE USING ANGULARJS
325. OPTIMISING DISPLAY ADVERTISEMENT BY SOCIAL MEDIA ANALYSIS
326. DIGITAL ADVERTISING AND MARKETING – STRATEGIES & CAMPAIGN ANALYSIS (REACH ANALYSIS)
- 47. MERCEDES BENZ, BANGALORE**
327. Q10 CHILD SAFETY SIMULATION IN REAR IMPACTS
328. DEVELOPMENT OF TOOLS FOR AUTOMATING FLOW AND QUALITY CHECK PROCESS
329. FUEL CELL VEHICLES & ENGINE MOUNTS FATIGUE ANALYSIS PROCESS AUTOMATION
330. INFLUENCE OF MESH QUALITY ON KINEMATICS & RESPONSE OF UPPER EXTREMITIES IN A PEDESTRIAN IMPACT USING THUMS-D HUMAN BODY MODEL
331. ESTABLISHING ERP METHOD FOR FLOOR RESONANCE
- 48. MU SIGMA BUSINESS SOLUTIONS, BANGALORE**
332. UNDERSTANDING STATISTICAL TECHNIQUES USED IN ANALYTICS INDUSTRY AND EDA- UNIVARIATE AND BIVARIATE ANALYSIS
333. MACHINE LEARNING AND ITS APPLICATIONS IN TEXT MINING
334. ASSET MAINTENANCE - INNOVATION AND DEVELOPMENT
335. COMMERCIALIZATION ACTIVITIES IN IRD DIVISION

- 336. SEGMENTATION ENHANCEMENTS IN DECISION SCIENCES WORKBENCH
- 337. DEVELOPMENT OF A WEB BASED ANALYTICS TOOL
- 338. ASSET MAINTENANCE - INNOVATION AND DEVELOPMENT
- 339. ASSET CONSUMPTION ACTIVITIES IN INNOVATION AND DEVELOPMENT DEPARTMENT
- 340. PRODUCT ENHANCEMENT - DATA PREPARATION AND SEGMENTATION
- 341. POC&APOS;S ON GRAPH DATABASES AND INTERPRETING THE CONSTANT TERM IN LINEAR REGRESSION
- 49. NATIONAL AEROSPACE LABORATORIES, BANGALORE**
 - 342. PREPARATION AND CHARACTERIZATION OF GRAPHENE AND TITANIUM DOPED CARBON THIN FILMS
 - 343. DESIGN AND DEVELOPMENT OF MULTILAYER THERMAL BARRIER COATINGS ARCHITECTURE.
 - 344. ELECTROLESS DEPOSITION OF NI-W-P COATING ON CARBON FIBERS USING DIFFERENT PRE-TREATMENT METHODS
 - 345. STUDY OF TOOL WEAR IN THE MICRO-DRILLING OF TITANIUM SUPER ALLOYS USING TUNGSTEN CARBIDE AND HIGH SPEED COBALT MICRO-DRILLS
 - 346. DEVELOPMENT OF TITANIUM-ALUMINIUM-CARBIDE NANOSTRUCTURED HARD COATING
- 50. NATIONAL CENTRE FOR BIOLOGICAL SCIENCES, BANGALORE**
 - 347. CLONING FMR1 AND ITS DOMAINS AND AGO2 GENES AND ITS PROTEIN EXPRESSION. VISUALIZATION OF AGO2 AND FMRP CO-LOCALIZATION IN CORTICAL NEURONS.
 - 348. DOUBLE;BIOINFORMATICS IN MICROARRAY ANALYSIS AND METABOLIC NETWORK RECONSTRUCTION AND DEVELOPMENT OF A PCR BASED ASSAY FOR MOLECULAR DIAGNOSTICS
 - 349. IDENTIFYING THE MECHANISM ENABLING A ONE-WING FLAP IN DIPTERANS
- 51. NATIONAL ENTREPRENEURSHIP NETWORK, BANGALORE**
 - 350. MENTOR PLATFORM AND EXPERT NETWORK
 - 351. MARKETING IN SOCIAL MEDIA AND CONTENT MANAGEMNT
 - 352. SUCCESS STORIES DEVELOPMENT PROCESS AND NEN STUDENT ENGAGEMENT PROGRAM
 - 353. PROGRAM MANAGING, DATABASE COMPILATION & CONTENT DEVELOPMENT
 - 354. MARKETING IN SOCIAL MEDIA AND CONTENT MANAGEMENT
- 52. NATIONAL INSTRUMENTS SYSTEMS (INDIA) PVT. LTD, BANGALORE**
 - 355. DIGITAL PREDISTORTION OF A POWER AMPLIFIER
 - 356. AUTOMOTIVE RADARS
 - 357. RFMX: TOOLS AND INFRASTRUCTURE
 - 358. ADJACENT CHANNEL POWER MEASUREMENTS ON FPGA
- 53. NETAPP, BANGALORE**
 - 359. PARABLAZE
 - 360. EXTERNAL CACHE FOR STORAGE APPLIANCES IN CLOUD
 - 361. HARDWARE ACCELERATION OF DEDUPLICATION USING NVIDIA GPU
 - 362. SPAM SUPPRESSION IN LOG VIEWER
 - 363. NETAPP SNAPCREATOR FRAMEWORK
 - 364. MACHINE LEARNING ON BURT DUPLICATE ADVISOR
 - 365. DATA DRIVEN RULE EXTRACTION
- 54. NETSKOPE SOFTWARE INDIA PVT. LTD, BANGALORE**
 - 366. RESEARCH AND VISIBILITY COVERAGE OF CLOUD APPLICATIONS
 - 367. SERVER SIDE ACTIVITIES
- 55. NVIDIA GRAPHICS, BANGALORE**
 - 368. Verification of USB 3.0
 - 368. SOC VERIF- DFD FEATURES IN NEXT GENERATION NVIDIA CPUS
 - 369. EDGE ADAPTIVE IMAGE SCALING IN VIDEO POST-PROCESSING ENGINE
 - 370. FUNCTIONAL COVERAGE AND VERIFICATION OF MEMORY CONTROLLER INTERFACE
 - 371. UNIT LEVEL VERIFICATION OF GRAPHICS PIPELINE
 - 372. FUNCTIONAL VERIFICATION OF PERIPHERAL COMPONENT INTERCONNECT-EXPRESS(PCIE) TRANSACTION LAYER
 - 373. POWER SUITE:: NETLIST POWER ESTIMATION TOOL & MTBF ANALYSIS
 - 374. DESIGN AND IMPLEMENTATION OF USB AUDIO PLAYER USING GSTREAMER FRAMEWORK AND RENDERING OF H.264 YOUTUBE VIDEOS ON FIREFOX (HTML5) USING NVIDIA'S HARDWARE ACCELERATED PLUGINS
 - 375. IMPLEMENTING AND VALIDATING NEW PROCESSOR EXTENSIONS IN AN ARM INSTRUCTION SET SI ARM INSTRUCTION SET SIMULATOR
 - 376. TIMING AND NETLIST CLOSURE FOR TEGRA SOCIP
 - 377. ENHANCING MEMORY SUBSYSTEM DESIGN INFRASTRUCTURE
 - 378. SYNTHESIS AND NETLISTING CHECKS OF MEMORY SUBSYSTEM
 - 379. NATIVE LOW POWER BASED POWER AWARE VERIFICATION FLOW (FOR LARGE SCALE DESIGNS)
 - 380. ANDROID AUDIO ROUTING
 - 381. RANDOM AND PERFORMANCE VERIFICATION INFRASTRUCTURE SETUP FOR MULTIMEDIA IP IN THE NEXT GENERATION TEGRA CHIP
 - 382. RTL VERIFICATION OF PCIE
 - 383. GPU FULL CHIP TESTBENCH IMPROVEMENTS
 - 384. QSPI BOOT OF TEGRA
 - 385. REST WEBSERVICES DEVELOPMENT AND TESTING FOR CHIP PERFORMANCE REPORTING AND TRIAGING TOOL
 - 386. DEVELOPMENT AND VERIFICATION OF C-MODELS OF SoC UNITS
 - 387. IMPLEMENTING AND VALIDATING NEW PROCESSOR EXTENSIONS IN AN ARM INSTRUCTION SET SIMULATOR
 - 388. APPLICATION INSPIRED DIRECTED PERFORMANCE TEST GENERATION FOR GRAPHICS PLATFORMS
 - 389. FORMAL VERIFICATION OF OBS BUS IN TEGRA SOC
 - 390. AUDIO PRE-PROCESSING ALGORITHMS FOR IN-VEHICLE INFOTAINMENT

- 391. GRAPHIC CONCURRENCIES AND GPU STRESS ON ANDROID
- 392. QUALIFICATION OF VERIFICATION WITH FUNCTIONAL COVERAGE MODELS FOR AN ARM BASED SOC BACKBONE
- 393. BRINGUP AUTOMATION USING ATE UTILITIES
- 394. VERIFICATION OF TIMERS IN TEGRA SOC
- 395. PHYSICAL DESIGN METHODOLOGY & TIMING CONSTRAINT ANALYSIS
- 396. ENHANCEMENT OF IN-HOUSE EDA FLOWS FOR INSERTION AND VALIDATION OF DFT IN GPU & TEGRA SOCS
- 397. VERIFICATION OF ARCHITECTURAL REQUIREMENTS FOR SELF MODIFYING CODE
- 398. TEGRA3 BOARD SUPPORT PACKAGE
- 399. SEQUENTIAL FAULT SIMULATION OF CUSTOM CELLS
- 400. ADVANCED ON-CHIP VARIATION FOR TIMING ENCLOSURE OF SRAM BASED MEMORY DESIGN
- 401. GRAPHWALKER TOOL TO GENERATE STIMULUS FOR COHERENCY VERIFICATION
- 56. ORACLE INDIA PVT LTD, BANGALORE**
 - 402. MAINTAINING AND DEVELOPING THE PRE-MERGE TOOL
- 57. POLYCOM TECHNOLOGY (R&D) CENTRE PVT. LTD, BANGALORE**
 - 403. SERVICES PLATFORM FOR CONTENT SHARING SUITE 2.0
 - 404. WSP AUTOMATION
- 58. PRACTO TECHNOLOGIES PVT. LTD, BANGALORE**
 - 405. PRACTO INTERNATIONAL EXPANSION RESEARCH, PATIENT HEALTH INFORMATION HANDLING PRACTICES AUDIT AND PRACTO SEARCH – DIAGNOSTICS MASTER DATA MANAGEMENT
 - 406. TO INCREASE TARGET RATE OF PRACTO PRODUCTS BY COMPETITOR ANALYSIS, DOCTORS PERSONAS AND MODULE ANALYSIS
 - 407. SALES DATA ANALYSIS AND KEYWORD ANALYSIS FOR SEARCH ENGINE OPTIMIZATION (SEO).
 - 408. INCENTIVE MODELLING, COMPETITOR ANALYSIS, SERVICE-LEVEL AGREEMENT (SLA) AND MANAGEMENT INFORMATION SYSTEM (MIS) REPORT
- 59. SABRE HOLDINGS(FORMELY SABRE TRAVELS) , BANGALORE**
 - 409. CODESHARE MANAGER MODULE DEVELOPMENT AND TESTING
 - 410. MIGRATION OF FRAMEWORK, ENHANCEMENT OF UI, TEST AUTOMATION, IMPLEMENTATION OF SUBSCRIPTION PROMOTIONS
 - 411. TEST AUTOMATION OF WEB APPS ON MOBILE & DESKTOP
 - 412. TEST AUTOMATION AND DEVELOPMENT FOR CODESHARE MANAGER
 - 413. EDIFACT EVALUATOR
 - 414. AIR EXTRAS IMPLEMENTATION IN GETTHERE APPLICATION
 - 415. APOS ALLIANCE REVENUE MANAGEMENT
 - 416. SMARTGWT-BASED WEBAPP DEVELOPMENT WITH FOCUS ON MAP COMPONENT & CSV-TO-GRID COMPONENT
 - 417. SOAPUI AUTOMATION TESTING FRAMEWORK DEVELOPMENT
 - 418. FLIGHT AVAILABILITY UTILITY TOOL DEVELOPMENT
 - 419. IMPROVEMENT OF SUPERBOT FRAMEWORK
 - 420. POC TO INTEGRATE STARCITE SERVICES
 - 421. DEVELOPMENT OF IUR PARSER, OFFLINE TOOL AND AUTOMATION OF MANUAL TEST CASES USING QTP.
 - 422. MOBILE AND WEB AUTOMATION TESTING AND MANUAL PRODUCT TESTING
 - 423. ACTIVATIONS DASHBOARD
 - 424. SABRE DYNAMIC AVAILABILITY AND SABRE CONNECT
 - 425. DEVELOPMENT OF QA TEST AUTOMATION FRAMEWORK
- 60. SAP LABS, BANGALORE**
 - 426. AUTOMATION FRAMEWORK FOR THE SAP BUSINESSOBJECTS MOBILE IOS APPLICATION
 - 427. ENABLING CLUSTERING FOR BI LAUNCHPAD TO PROVIDE FAILOVER AND SCALABILITY
- 61. SATTVA MEDIA & CONSULTING PVT LTD, BANGALORE**
 - 428. SOCIAL MEDIA MARKETING, CONTENT CREATION, DESIGN
 - 429. SOCIAL BUSINESS MODELLING
- 62. SHELL TECHNOLOGY CENTER, BANGALORE**
 - 430. TREATMENT OF OIL FIELD PRODUCED WATER USING CERAMIC MEMBRANE
 - 431. IMPACT OF OPERATIONAL AND CHEMICAL MODIFICATIONS ON POLYETHER POLYOL PROPERTIES
- 63. SIRIUS EMBEDDED SOFTWARE (P) LTD, BANGALORE**
 - 432. CREATION OF AUTOMATION TESTING SUITE USING SELENIUM AND ULTRASONIC FUEL MEASUREMENT SENSOR
 - 433. BACKEND AUTOMATION TESTING IN RUBY ON RAILS AND ULTRASONIC FUEL MEASUREMENT SENSOR
- 64. SYNIVERSE TECHNOLOGIES, BANGALORE**
 - 434. SHAREPOINT TEAM SITE
 - 435. AUTOMATED TICKET ALERTING SYSTEM WITH DESKTOP APPLICATION USING JAVA
 - 436. AUTOMATION OF DISCOUNT TARIFFS, ONLINE QUIZ AND SURVEY PORTAL AND QUALITY ASSURANCE TARIFF CHECK SCRIPTS
 - 437. AUTOMATION OF SMOKE TESTS/WEB TEST USING SELENIUM
 - 438. AUTOMATION OF EXECUTIVE BROADCASTS
 - 439. APPLICATION TO PEER REPORTING
 - 440. AUTOMATION OF DRE DEPLOYMENT
 - 441. RELIABLE TRANSFER OF FILES FOR A CRON JOB 3. LOAD BALANCE FOR GTP PACKETS
 - 442. AUTOMATION OF EXECUTIVE BROADCAST
 - 443. AUTOMATION OF DRE DEPLOYMENT; RELIABLE FILE TRANSFER
 - 444. AUTOMATION OF TESTING FRAMEWORK
- 65. TANGOE INDIA SOFTEK PVT LTD, BANGALORE**

445. MATRIX SOFTWARE DEVELOPMENT
- 66. TAS ANALYTIC SERVICES, BANGALORE**
446. CENTRALIZED ORDER REGULATION FOR TIME INC. MAGAZINES
447. CENTRALIZED ORDER REGULATION
448. IN-MARKET ANALYTICS
449. TIME INC RETAIL - ADVANCED ANALYTICS RESEARCH
- 67. TESCO HINDUSTAN SERVICE CENTRE, BANGALORE**
450. PERFORMANCE OF BLINKBOX VS. COMPETITORS
451. REPORT RATIONALIZATION AND PROCESS RE-ENGINEERING FOR TESCO'S DOTCOM TEAMS
452. ELECTRIC PROOF OF DELIVERY
453. SEARCH ENGINE MARKETING AND OPTIMIZATION
454. REFRIGERATOR CAMPAIGN, CLOTHING ABANDONED BASKET EMAIL, GROCERY SLOTS EMAIL CAMPAIGN
455. DEVICE INFLUENCED METRIC ANALYSIS FOR WINE BY THE CASE BUSINESS
456. NEW RANGE PROPOSITION, SAME DAY DELIVERY, HUB STORE ANALYSIS
457. BUSINESS ANALYSIS OF THE GROCERY HOME SHOPPING ARM OF TESCO PLC
458. COMPETITOR ANALYSIS
459. OPTIMIZATION, REPORTING & PERFORMANCE OF NON - DIRECT ACCOUNTS
460. ANALYSIS OF KPI'S IN ORDER TO PROVIDE SEARCH ENGINE MARKETING (SEM) INSIGHTS
461. PYTHON BASED DATA FEEDS USING SCRAPERS
- 68. TETCOS, BANGALORE**
462. IMPROVING THE FUNCTIONALITY OF NETSIM FRONT END
463. TCP CONGESTION CONGESTION CONTROL AND ITS IMPLEMENTATION IN NETSIM
- 69. TEXAS INSTRUMENTS (I) PVT. LTD, BANGALORE**
464. ENABLING ROBOTIC OPERATING SYSTEM ON TDA2X (VAYU)
465. AUTOMATION OF E-FUSE VALIDATION
466. BEHAVIORAL MODELING OF PLL ON VERILOG
467. EXPERIMENTS FOR TI-NI ANALOG BUNDLE
- 70. TONBO IMAGING PVT LTD, BANGALORE**
468. THERMAL IMAGE PROCESSING ON FPGA
469. CAMERA CALIBRATION AND TERRAIN SIMULATOR
470. HAND HELD THERMAL IMAGER USING DM365 BOARD
471. ROLLING SHUTTER CORRECTION USING IMU AND TERRAIN SIMULATOR
- 71. WALMART GLOBAL TECHNOLOGY SERVICES, BANGALORE**
472. SALES PATTERN ON HAND CORRECTION
473. SEQUENCING OF ORDER ITEMS FOR PICKING
474. BIG DATA ANALYTICS
- 72. YELLOW DIAMOND, BANGALORE**
475. PACKAGING LINE OPTIMIZATION USING SIMULATION
476. PREDICTIVE MAINTENANCE AND ITS APPLICATIONS & VALUE STREAM MAPPING OF OIL IN THE PLANT
- 73. ZOOMCAR INDIA PVT. LTD, BANGALORE**
477. SESSION LEVEL DATA
478. THIRD PARTY API INTEGRATIONS AND EMAIL AUTOMATION
479. CLICK CHECKOUT AND INTEGRATION OF PAYMENT GATEWAY
- 74. AMAZON DEVELOPMENT CENTER, CHENNAI**
480. GRAPHICS EXTRACTION FROM PDF
481. DIGITAL OPERATIONS WORKFLOW
482. AUTOCODE GENERATION OF C++ AND JAVA LIBRARY FROM AMAZON SERVICE DEFINITION LANGUAGE
483. EINK COVER IMAGE COMPRESSION
484. AUTHORING TOOL FOR PUBLISHERS
485. ADDING FEATURES TO AUTHORING TOOLS
486. DEVELOPMENT OF GRAPHICS RENDERING AND STRING OPERATION TEST APP FOR EMBEDDED JAVA VM, OTA DASHBOARD DEVELOPMENT
487. SIMPLIFY MAKING CONFIGURATION CHANGES
488. PERFORMANT AND EXTENSIBLE VALIDATION FRAMEWORK FOR KINDLE DOCUMENTS.
489. REMOTE DEVICE MANAGEMENT
490. LOGGING INCORPORATION FOR CONSUMER METRICS ANALYSIS & API BUILDING IN KINDLE E-INK DEVICES
491. SECURED FILE SHARING APPLICATION FOR KINDLE FIRE DEVICES
492. WRITING A SCRIPT PARSER TO CREATE OVERLAY WINDOWS
493. RECOGNIZING SPECIAL GESTURES ON TOUCH SCREEN DEVICES.
494. ANDROID DIAGNOSTICS VIA CROWD SOURCING
495. MANAGING VENDOR DATA THROUGH A SELF-SERVICE UI AND ABILITY TO VIEW AND EDIT BUSINESS RULES THROUGH A UI
- 75. CENTRAL ELECTRONICS ENGINEERING RESEARCH INSTITUTE, CHENNAI**
496. ANALYSIS OF A ROBUST ALGORITHM FOR OBJECT RECOGNITION AND TRACKING
497. DESIGNING OF A DISCRIMINANT ANALYSIS BASED MATLAB APPLICATION FOR PLASTIC SORTING
498. QUALITY EVALUATION OF SELECTED FOOD PRODUCTS USING MULTIVARIATE ANALYSIS
499. FATIGUE DETECTION BY HEART RATE VARIABILITY ANALYSIS
- 76. CENTRAL LEATHER RESEARCH INSTITUTE (CLRI), CHENNAI**
500. EVALUATION OF LEAN PRACTICES FOR APPLICATION IN LEATHER FOOTWEAR SUPPLY CHAIN
501. BIOCALORIMETRIC STUDIES OF METABOLIC ACTIVITIES FOR PRODUCTION OF INULINASE FROM BATCH CULTURES

- 77. CENTRAL SCIENTIFIC INSTRUMENTS ORGANIZATION, CHENNAI**
502. DETECTION AND QUANTIFICATION OF BACTERIA USING STABLE AND UNIFORM FLUORESCENCE IMAGING
503. APPLICATION DEVELOPMENT IN POWER LINE COMMUNICATION FOR STRUCTURES
- 78. HEALTHCARE TECHNOLOGY INNOVATION CENTRE (HITC), CHENNAI**
504. IMPLEMENTATION OF SPO2 MEASUREMENT IN A WEARABLE BIO-PARAMETER MONITOR
505. PORTING OF GLIMPSE TO THE QT FRAMEWORK AND FEATURE ENHANCEMENTS OF THE EYE-PAC PLATFORM
- 79. HISTOGENETICS, CHENNAI**
506. REPORT INCIDENT TOOL SERVICE AND HISTO SAMPLE COLLECTION SUPPORT SYSTEM
507. HISTOGENETICS REPORT INCIDENT TOOL SERVICE AND HISTOGENETICS SAMPLE COLLECTION SUPPORT SYSTEM (HISTOSCSS)
- 80. PAYPAL, CHENNAI**
508. EXTRACTION OF TEXT FROM IMAGES OF WEBPAGES
509. GENERATION OF HTML CODE FROM IMAGES OF WEBPAGES
510. ANOMALY DETECTION IN DATASETS WITHOUT DOMAIN KNOWLEDGE
511. MONEY MANAGEMENT
512. COMPASS RAS AND FULLY AUTOMATED UNIT TESTING
513. PXP CODE ENGINE AND OAP APPLICATIONS
- 81. RAMCO SYSTEMS, CHENNAI**
514. INTEGRATING D3.JS, MOXTRA WITH RVW (DEVELOPMENT PLATFORM)
515. Tagging management
516. DATA GENERATION AND ANALYSIS TOOL FOR QUERIES AND OPTIMIZATIONS
517. DEVELOPING ETL AND WORKFLOW TESTING
518. PRE-SALES DEMONSTRATION SETUP – HUMAN CAPITAL MANAGEMENT ON CLOUD
519. DATA GENERATION AND ANALYSIS TOOL FOR QUERIES AND OPTIMIZATIONS
520. HUMAN CAPITAL MANAGEMENT FEATURES: GOAL MANAGEMENT, SCENARIO PLAYER & PERFORMANCE MANAGEMENT SYSTEM
521. RVW DESIGNING AND GRAPH DATABASE
522. SCRIPT GENERATOR TOOL: IMPLEMENTATION ON THE ENTERPRISE ARCHITECT ADD-IN FRAMEWORK
523. SCREEN DESIGN (DEFECT FIXING) & COLLABORATION
524. MULTILEVEL PROFITABILITY OF RAMCO SYSTEMS, DATABASE MANAGEMENT, AND DEMOS IN PRESALES SRP
525. DATA GENERATION AND ANALYSIS TOOL FOR QUERIES AND OPTIMIZATIONS
526. MULTI-LANGUAGE SCREEN PROJECT
527. MASTER DATA COLLECTION FORMAT
528. WEB BASED WYSIWYG XML EDITOR
529. PROJECT CRYSLIS
530. DATA HEALTH MONITORING TOOL
531. MAINTENANCE & BUG FIXING
532. DATA MIGRATION AND POST - LIVE ENHANCEMENTS
533. MIGRATION OF ACTIVEX CHART TO EJS GANTT
534. REPLACEMENT OF SHOWMODALDIALOG BOX
535. DESIGNING PORTLETS FOR SERVICES RESOURCES PLANNING SYSTEMS
536. DATABASE OFFLINE WORK
537. DEFECT FIXING AND CODE MAINTENANCE IN RAMCO AVIATION MATERIALS MODULE.
538. INTEGRATING D3.JS CHARTS WITH RAMCO VIRTUAL WORKS
539. A REPORT ON SRP FOR RAMCO SYSTEMS
540. SHOWMODALDIALOG WINDOW REPLACEMENT
541. MULTI LANGUAGE SCREEN PROJECT
- 82. SANKAR NETHRALAYA, CHENNAI**
542. ROLE OF ADIPONECTIN AND PIWI PROTEINS IN THE REGULATION OF RETINAL TIGHT JUNCTIONS.
- 83. STRUCTURAL ENGINEERING RESEARCH CENTRE, CHENNAI**
543. ESTIMATION OF RADIUS OF REBARS USING GROUND PENETRATING RADAR (GPR) IMAGING AND COVERMETER
544. DAMAGE PROGNOSIS DUE TO FATIGUE LOADING IN CONCRETE
545. A NEW APPROACH TOWARDS STRUCTURAL HEALTH MONITORING (SHM)
546. RETROFITTING OF BRIDGE OVERLAYS
547. PROBABILISTIC MODEL FOR THE HYDRATION OF CEMENT
- 84. HINDUSTAN ZINC LTD, CHITTORGARH**
548. STABILIZATION OF PH TO MAINTAIN THE CONSISTENT QUALITY OF JAROSITE AT UNIT -2 (HYDRO 2)
549. WAYS TO INCREASE PB-AG ANODE LIFE IN ZINC ELECTROWINNING
550. IMPROVEMENT OF ZINC RECOVERY IN PURIFICATION PLANT AT HINDUSTAN ZINC LTD
551. FILTER PRESS BREAKDOWN
552. DETAILED STUDY OF HEAT EXCHANGER IN ACID PLANT
- 85. LARSEN & TOUBRO LIMITED, COIMBATORE**
553. RATING ERROR PREVENTION FOR FRACTIONAL MOTOR CONTROLLED CENTER MODULES
554. MECHANISM FOR MOTOR ASSISTED REMOTE OPERATED MINIATURE CIRCUIT BREAKER
- 86. BIRLA COPPER, DAHEJ**
555. STUDY OF OXYGEN PLANT AND ASSOCIATED EQUIPMENT
556. IMPROVING PERCENTAGE SULPHUR RECOVERY TO REDUCE STACK EMISSION
- 87. INDIAN INSTITUTE OF PETROLEUM, DEHRADUN**
557. KINETIC AND THERMODYNAMIC MODELING OF CARBONDIOXIDE ABSORPTION IN AMINE SOLUTIONS
558. DEVELOPMENT OF PROCESSES FOR PRODUCTION OF N-METHYL-2-PYRROLIDONE

559. ANALYSIS OF REAL WORLD DRIVING CYCLE USING EMISSION MODELLING
560. DEVELOPMENT OF NON-HDS METHODS FOR VARIOUS CRUDE FRACTIONS
561. STUDY THE EFFECT OF CATALYST IN DELAYED COKING REACTION
562. PINCH ANALYSIS OF CRUDE DISTILLATION UNIT, DESULPHURIZATION OF LIQUID FUEL USING SOLVENT EXTRACTION AND SIMULATION STUDY OF DIVIDED WALL COLUMN (D.W.C.)
- 88. RITE INFOTECH PVT LTD, FARIDABAD**
563. UTILITIES FOR BUSINESS APPLICATION SUITE
- 89. GMI ZARHAK MOULDERS PVT. LTD, GOA**
564. CONTINUOUS PROCESS CONTROL FOR ROTOMOLDING
- 90. IFB INDUSTRIES, GOA**
565. CUSTOMER INVOLVEMENT IN NEW PRODUCT DEVELOPMENT
566. ENHANCING THE MECHANICAL ACTION IN TOP-LOADING WASHING MACHINE
- 91. PENTAIR WATER INDIA PVT. LTD, GOA**
567. STANDARDIZATION OF WORK SEQUENCE AND VALUE STREAM MAPPING
568. IMPLEMENTATION OF 2 BIN SYSTEM IN HRO (TATA SWACH STICKERS) AND VISUAL MANAGEMENT IN STORES AND MAKING MATERIAL FLOW
569. MAKING MATERIAL FLOW
570. QUICK CHANGEOVER OR SINGLE MINUTE EXCHANGE OF DIES(SMED)
- 92. PERSISTANT SYSTEM, GOA**
571. EVALUATION OF DIFFERENT OPERATING SYSTEMS FOR MICAZ MOTE
572. MOBILE MONITORING OF BODY HEALTH PARAMETERS
- 93. ST MICROELECTRONICS(I) PVT.LTD, GREATER NOIDA**
573. IMPLEMENTATION AND TESTING OF BER PLATFORMS FOR HIGH SPEED SERIAL LINKS
574. ASSERTION BASED VERIFICATION OF UTM1 USING SYSTEM VERILOG
575. DESIGN OF INTELLIGENT MONITOR SUBSYSTEM AND STUDY OF MEMORY BIST
576. SIMULATION OF FAILURE MODES IN A 6T-SRAM AND RECOVERY METHODS
577. DEVELOPMENT AND VERIFICATION OF VERILOG TIMING MODEL FOR SRAM MEMORY LIBRARY
578. SIMULINK MODELLING OF SIGMA DELTA MODULATOR FOR FRACTIONAL N PLL
579. DESIGN AND ANALYSIS OF PHASE LOCKED LOOP BLOCKS
580. TRANSMITTER DESIGN FOR HIGH SPEED SERIAL LINKS
581. DESIGN OF OP AMP , BAND GAP REFERENCE AND ANALYSIS OF PHASE LOCKED LOOP
582. DEVELOPMENT OF MATLAB MODEL OF ADC-BASED SERIAL LINK RECEIVER
583. FORMAL VERIFICATION OF SYSTEM ON CHIP BRIDGES
584. NOISE MODELLING USING SUPPLY NOISE SENSITIVITY MATRIX IN A PHY
585. POWER SUPPLY NOISE MODELLING AND ANALYSIS OF MIXED SIGNAL IPS
- 94. AURUM EQUITY PARTNERS, GURGAON**
586. BUY SIDE ADVISORY FOR A MAJOR MEDICAL EQUIPMENT COMPANY
587. INVESTMENT BANKING TRENDS IN THE INDIAN PHARMACEUTICAL SECTOR
588. INVESTMENT BANKING AN ANALYST'S PERSPECTIVES & LEARNINGS
- 95. BHARTI SOFT BANK, GURGAON**
589. HIVE REPORTING TOOL: A WEB APPLICATION TO QUERY APACHE HIVE
- 96. COMVERSE NETWORK SYSTEM PVT. LTD, GURGAON**
590. PRESENCE SERVER OPERATION MANAGEMENT APPLICATION (CUSTOMER CARE PORTAL)
591. OPERATION MANAGEMENT APPLICATION (CUSTOMER CARE WEB PORTAL)
- 97. ERICSSON GLOBAL INDIA PVT LTD, GURGAON**
592. AUTOMATIC DATA COLLECTION TOOL
593. TO MAKE THE REQUIRED CHANGES TO THE GRAPHICAL USER INTERFACE BY ALTERING THE JAVA AND XML FILES RELATED TO THE SAME.
594. MIGRATION OF TEST CASES FROM JBTF TO JIVE FRAMEWORK
595. JUNIT TESTING
596. MOBILE COMMERCE JASPER REPORTING USING JAVA
597. MIGRATION OF TEST CASES FROM JBTF TO JIVE FRAMEWORK
598. DEVELOPING YMER (JAVASCRIPT FRAMEWORK USING REQUIREJS) BASED GUI BY PUBLISHING OSGI AS RESTFUL SERVICES
599. INTERACTIVE VOICE RESPONSE SYSTEMS
600. MOBILE COMMERCE REPORTING USING JASPER
601. MULTIMEDIATION
602. DEVELOPING YMER (JAVASCRIPT FRAMEWORK USING REQUIREJS) BASED GUI BY PUBLISHING OSGI AS RESTFUL SERVICES
603. OTT MEDIA CONSUMPTION IN A GROUP- ANYTIME AND ANYWHERE
604. DIAMETER BUC (TTCN to JIVE migration)
605. MULTIMEDIATION-DIAMETER BUC
606. MIGRATION FROM JBTF TO JIVE
607. MULTIMEDIATION 15
- 98. HIKE, GURGAON**
608. HIKE WEBCLIENT
609. WEBCLIENT FOR HIKE
610. VOIP FOR HIKE
- 99. JABONG, GURGAON**
611. VARIOUS PROJECTS
612. JABONG BOUTIQUE
- 100. KPMG, GURGAON**
613. CONTRACT COMPLIANCE SERVICES: SOFTWARE ASSET MANAGEMENT
- 101. PAXCEL TECHNOLOGIES, GURGAON**
614. BUSINESS DEVELOPMENT AND ANALYSIS FOR PAXCOM

615. RESEARCH ANALYSIS AND BRAND MANAGEMENT FOR PAXCEL PRODUCTS
- 102. RECKITT BENCKISER, GURGAON**
616. JDE, AUDIT REPORTS AND INSIGHTUNLIMITED REPORTING
617. PROCESS IMPROVEMENT AND SUPPORT TO BUSINESS INTELLIGENCE APPLICATIONS.
618. GAINING AN IN-DEPTH TECHNICAL AND HANDS-ON KNOWLEDGE OF DIGITAL AND REGULATORY IS APPLICATIONS
619. CRS - CONTINUOUS REPLENISHMENT SYSTEM
620. CLEAN OMR DRIVE ACROSS DISTRIBUTORS OF RB ALL OVER INDIA
- 103. SAGACIOUS RESEARCH, GURGAON**
621. CORPORATE BRAND IDENTITY REDESIGN & PROMOTION
622. INTELLECTUAL PROPERTY BASED SWOT ANALYSIS
623. PATENT SEARCH SERVICES
- 104. SRF Ltd, GURGAON**
624. PRODUCTION OF A SPECIALITY CHEMICAL (BFBTF) AND FILTRATION PROCESS
625. FLUIDISED BED REACTOR
626. HEAT EXCHANGER DESIGN AND PLANT DOCUMENTATION
627. SEPARATION OF ACETONITRILE FROM TRIETHYLAMINE AND METHANOL
- 105. TATA CONSULTANCY SERVICES, GURGAON**
628. APPLICATION OF SDN AND NFV IN CONTEMPORARY NETWORKING
629. APPLICATION OF INFORMATION EXTRACTION ON UNSTRUCTURED NOTES, STUDY OF IPV4 TO IPV6 TRANSITION
630. APPLICATION OF MACHINE LEARNING METHODOLOGIES TO TEXT REPAIRING
631. UNDERSTADNING UMTS PROTOCOLS AND WCDMA AIR INTERFACE
632. WEBRTC ENABLED IOS APPLICATION
- 106. ADITYA BIRLA INSULATORS, HALOL**
633. CAPACITY ANALYSIS OF THE PLANT
634. DETAILED AND PRACTICAL STUDY ON FILTER PRESS TO REDUCE THEIR CYCLE TIME
- 107. FAIVELEY TRANSPORT RAIL TECHNOLOGIES INDIA LTD (FTRTIL), HOSUR**
635. ESTABLISHMENT OF PRODUCTION LINE FOR RS10 DOORS
636. SUPPLIER PANEL STRATEGY
- 108. ACCENDO TECHNOLOGIES PVT. LTD, HYDERABAD**
637. INTERNAL PORTAL AT ACCENDO TECHNOLOGIES
- 109. AMAZON DEVELOPMENT CENTER, HYDERABAD**
638. TAM TOOL
639. DEVELOPMENT OF CLEAR RECEIPT TOOL
640. NEXT GENERATION SHIPTRACK TOOLS
641. INBOUND TRANSPORTATION MANAGEMENT AT AMAZON
642. DEVELOPMENT OF INDIA LINE HAUL MANAGEMENT SYSTEM
643. MIGRATION OF CONSIGNMENT SWEEP TOOL TOJAVA
644. WIDGET DEVELOPMENT FOR SERVICE DETAIL PAGE
645. ADDRESS TRANSLATION
646. INDEX MIGRATION FROM ORACLE DATABASES TO KEY VALUE STORE
647. FEATURE ENHANCEMENT-SELLER POLLING WIDGET
648. AUTOMATED UI TESTING
649. ENHANCING USABILITY FOR CARRIER INFORMATION MANAGEMENT SERVICE USERS
650. ADDRESS ATTRIBUTE MANAGEMENT PORTAL
651. HIREON: ONLINE TOOL FOR CONDUCTING TESTS
652. ENHANCEMENTS FOR TRANSIT TIME SYSTEMS
653. ENHANCING OUTBOUNDLOOKUPTOOL
654. MIGRATION OF WIDGET DATA FROM CODE TO G2S2 CONFIG
655. CARRIER ROUTING SERVICE ARCHITECTURE IMPLEMENTATION
656. HIREON: AN ONLINE PORTAL USED FOR HIRING PROCESS
657. MANUAL DEPLOYMENT, FEATURE ADDITION AND ARCHITECTURE REDESIGN OF CIMS METRICS SERVICE
- 110. BHARAT DYNAMICS LTD, HYDERABAD**
658. DESIGNING SUPERCOMPONENT OF A GUIDED MISSILE
659. DESIGNING EMPLOYEE PERFORMANCE APPRAISAL & RECOGNITION PORTAL
660. REAL TIME DETECTION AND TRACKING OF A MOVING COLORED OBJECT
661. 3D CAD MODELING AND DRAWING
662. ADVANCED (DYNAMIC) SIMULATION OF THE MODAL ANALYSIS OF THE FLARE CONTAINER ASSEMBLY IN SIEMENS NX 7.5.
- 111. BT & BT MANAGEMENT CONSULTANCY PVT. LTD, HYDERABAD**
663. SMART CITIES : AN OVERVIEW
664. TRANSFORMING CONSTRUCTION BY LEAN THINKING
665. BUILDING CONSTRUCTION INDUSTRY AND CUSTOMER EXPERIENCE MANAGEMENT BY LEAN THINKING
666. SMART CITY-MOBILITY
- 112. CENTRE FOR DNA FINGERPRINTING AND DIAGNOSTICS, HYDERABAD**
667. MECHANISM AND FUNCTIONAL SIGNIFICANCE OF PYROPHOSPHORYLATION BY IP7
- 113. FIORANO SOFTWARE TECHNOLOGIES PVT. LTD, HYDERABAD**
668. TESTING OF FIORANO ADAPTERS AND ESTUDIO COMPONENTS
669. TESTING OF ADAPTERS AND ESTUDIO COMPONENTS
- 114. IMI MOBILE, HYDERABAD**
670. COMPETITIVE ANALYSIS AND REVAMPING OF CLOUD BASED MOBILE ENGAGEMENT PLATFORM

671. AUTOMATING CHARTS CREATION AND DATA COLLECTION FROM WEBSITES USING JAVA, SCORING DATA IN REAL TIME, LINEAR OPTIMIZATION USING AIMMS AND EVALUATING CMS
672. REVAMPING OPEN HOUSE
673. SOCIAL MEDIA ANALYSIS, NEAREST NEIGHBOUR SEARCH, GOOGLE AD-WORDS AND CHURN ANALYSIS
674. AUTOMATING CHARTS CREATION AND DATA COLLECTION FROM WEBSITES USING JAVA, SCORING DATA IN REAL TIME, LINEAR OPTIMIZATION USING AIMMS AND EVALUATING CMS
- 115. INDIAN INSTITUTE OF CHEMICAL TECHNOLOGY, HYDERABAD**
675. DETERMINATION OF OPTIMAL PARAMETERS FOR ALKYLATION OF PHENOL USING DOE APPROACH
676. CALORIMETRIC STUDIES ON THE SYNTHESIS OF METHYL ETHYL KETAZINE AND HYDRAZINE HYDRATE
677. EXPANDED PORPHYRIN - DITHIENOPYRROLE BASED DYE-SENSITIZED SOLAR CELL - DESIGN, SYNTHESIS AND FABRICATION
678. EXPERIMENTATION AND SIMULATION OF SEPARATION PROCESSES FOR ALCOHOL WATER MIXTURES
679. ONLINE FAULT DETECTION DIAGNOSIS OF BIOLOGICAL BATCH PROCESS
680. MULTI VARIATE STATISTICAL PROCESS MONITORING OF BATCH PROCESSES
681. SEPARATION OF FLUORIDE AND ARSENIC FROM GROUND WATER BY MEMBRANE SEPARATION TECHNIQUE
682. RECOVERY OF VALUABLE ORGANIC COMPOUNDS FROM SOLVENTS USING MEMBRANE SEPARATION PROCESSES
683. PRESSURE DROP VARIATION FROM MACRO TO MICRO CHANNELS: A FLOW MODELING APPROACH
684. QUANTITATIVE MEASURES TO SIMILARITY AND DIVERSITY TO MOLECULES AND MOLECULAR PROFILE REPORT GENERATION
- 116. INDUSTRYARC, HYDERABAD**
685. MARKET RESEARCH AND ANALYSIS OF FLOW SENSORS, DIODE LASERS , MISUMI U.S. FACTORY AUTOMATION
686. MARKET RESEARCH AND ANALYSIS OF 3D PRINTING MATERIALS, DISTANCE MEASUREMENT SENSORS, DIODE LASER AND MISUMI FACTORY AUTOMATION
687. MARKET RESEARCH AND ANALYSIS
688. MISUMI PROJECT, DIODE LASER MARKET RESEARCH, DRIVER MONITORING SYSTEMS REPORT AND RADIATION HARDENED ELECTRONIC DEVICES AND COMPONENTS REPORT
689. MARKET RESEARCH AND ANALYTICS
690. ELECTRONICS MARKET REPORT
691. MISUMI PROJECT & DIODE LASER MARKET RESEARCH
692. MISUMI PROJECT & MARKET RESEARCH
693. MISUMI PROJECT & DIODE LASER MARKET RESEARCH & FLOW SENSORS MARKET RESEARCH
694. MARKET RESEARCH IN THE FIELDS OF FACTORY AUTOMATION, DIODE LASER, 3D PRINTING AND DISTANCE MEASUREMENT SENSORS
- 117. INSIDE VIEW, HYDERABAD**
695. ENHANCEMENTS IN API PRODUCT OF INSIDEVIEW INC.
696. PREDICTION OF FUTURE TRENDS FROM ONLINE NEWS CORPUS
697. OUTLIER DETECTION IN NEWS PAIRING AND WRITE TIME ARTICLE CLUSTERING OF NEWS
- 118. INTERNATIONAL ADVANCED RESEARCH CENTRE FOR POWDER METALLURGY AND NEW MATERIALS, HYDERABAD**
698. FACILE SYNTHESIS OF SOFT MAGNETS
699. MORPHOLOGY CONTROLLED SYNTHESIS OF MESOPOROUS SNO₂ SPHERES FOR APPLICATION IN DSSC
700. SYNTHESIS AND CHACATERISATION OF MN DOPED CDS NPS/ZNO NWS BASED QUANTUM DOT CELL
701. SILVER NANOWIRE BASED ELECTRODES FOR SOLAR CELL APPLICATION
- 119. JDA SOFTWARE SOLUTIONS, HYDERABAD**
702. QUALITY ASSURANCE OF JDA FULFILLMENT
703. QUALITY ASSURANCE OF MTO(MAKE TO ORDER) AND CC(COMPASS CONTRACT)
704. AUTOMATION OF ABPP MODULES OF TRANSPORTATION MANAGER APPLICATION
705. QUALITY ASSURANCE AND AUTOMATION OF ENTERPRISE PLANNING
706. VALIDATION OF DCS TEST CASE SCENARIOS
707. QUALITY ASSURANCE OF ENTERPRISE STORE OPERATIONS
708. DEVELOPMENT IN AS400 FOR E3
709. AUTOMATION OF JDA WORKFORCE MANAGEMENT EMPLOYEE TRANSFER API TESTING USING FITNESSE
710. TEST AUTOMTION FOR POST DEPLOYMENT TESTING
- 120. JORD INTERNATIONAL, HYDERABAD**
711. MIGRATION OF HIDE APPLICATION FROM EXCEL TO WIN-FORMS
712. SHELL AND TUBE HEAT EXCHANGERS, INSTRUMENTATION AND NATURAL GAS DEHYDRATION
713. IMPROVEMENT IN TUBE SIDE HEAT TRANSFER COEFFICIENT USING TUBE INSERTS, ELECTRIC HEATERS, FUEL GAS SKIDS
- 121. MY SMART PRICE, HYDERABAD**
714. DEVELOPMENT OF CHROME PLUGIN, BUILT A RECOMMENDATION ENGINE
715. PLUGIN DEVELOPMENT, GMAIL API WITH OAUTH
- 122. NOVARTIS, HYDERABAD**
716. PHARMACOVIGILANCE
- 123. NVIDIA GRAPHICS, HYDERABAD**
717. SYSTEM VERIFICATION OF PWM AND TACH IPS
718. POWER ESTIMATION / MEASUREMENT IN T186 / T210
719. DYNAMIC THERMAL MANAGEMENT OF QUAD CORE TEGRA PROCESSORS

- 124. ORACLE INDIA PVT LTD, HYDERABAD**
720. OPERATIONAL INTELLIGENCE USING OBIEE
721. DESIGN STUDIO ENHANCEMENT AND DEBUGGING
722. DESIGN STUDIO DEVELOPMENT
723. OPERATIONAL INTELLIGENCE USING OBIEE
- 125. POLMON, HYDERABAD**
724. AUTOMATION OF HYDROGENATION AND SOLVENT RECOVERY SYSTEM IN PHARMACEUTICAL BATCH PROCESSE
725. AUTOMATION OF HYDROGENATION AND SOLVENT RECOVERY PROCESS IN PHARMACEUTICAL BATCH PROCESSES
- 126. POLYCOM TECHNOLOGY (R&D) CENTRE PVT. LTD, HYDERABAD**
726. TEST AUTOMATION FOR VARIOUS GS CALL SCENARIOS
727. ENHANCEMENT OF BOSS-ADMIN FEATURE TO DUAL ROLE & DEVELOPMENT OF TEST AUTOMATION HOOKS FOR VVX PHONES
728. DEVELOPMENT AND AUTOMATION OF VOIP PHONES
729. DEVELOPMENT OF FEATURES AND TEST AUTOMATION HOOKS FOR VVX PHONES
730. A REPORT ON LOAD TESTING OF BLF FEATURE ON VVX PHONES AND DEVELOPMENT OF HOOKS FOR TA (TEST AUTOMATION) AND IMPROVEMENT OF UI (USER INTERFACE) FOR NEW RELEASE
731. WEBUI AUTOMATION
732. TESTING AND AUTOMATION OF PATHVIEW APPLICATION AND INTEGRATION TO HDX
733. TESTING OF BTtoE PLAYBACK FEATURE AND DEVELOPMENT OF TA HOOKS FOR POLYCOM VOIP PHONES
734. DEVELOPMENT OF TA HOOKS FOR AUTOMATION FRAMEWORK
735. SOFTWARE DEVELOPMENT FOR POLYCOM VIDEO ENDPOINTS
- 127. SALESFORCE, HYDERABAD**
736. CHAOS MONKEY
737. KERBEROS AND KINGPIN PLUGIN
738. JENKINS, CHAOS MONKEY TOOL AND WINTERMUTE
- 128. SILICON IMAGE R&D PVT LTD, HYDERABAD**
739. ANALOG DESIGN REPORTS
740. USB PROTOCOL, LOGIC SYNTHESIS AND DESIGN OF 32 CHANNEL AUDIO
741. ANALOG DESIGN AND LAYOUT
742. ENCODING AND DECODING OF EDID FRAMES
743. QA AUTOMATION TOOL DEVELOPMENT
- 129. WORLEY PARSONS INDIA, HYDERABAD**
744. DESIGN AND ANALYSIS ASPECTS OF OFFSHORE STRUCTURES
745. PROCESS DESIGN IN UPSTREAM OF OFFSHORE OIL & GAS PRODUCTION
- 130. STELLARIX CONSULTANCY SERVICES PVT LTD, JAIPUR**
746. INTELLECTUAL PROPERTY RIGHTS – PATENTS
747. RESEARCH METHODOLOGY IN PATENT INVALIDATION AND PATENT LANDSCAPE
748. CLEANING UP OF FATS
- 131. SPICER INDIA LTD, JODALLI**
749. ERGONOMICS IN YOKE SHAFT CELL
- 132. BOC INDIA LTD, KOLKATA**
750. INSPECTION AND MAINTENANCE OF OXYGEN PLANT & PROCESS OPERATIONS IN IA/PA PLANT
751. OPERATION OF A CRYOGENIC NITROGEN GENERATOR PLANT
752. STUDY OF AIR SEPARATION UNITS AND PROJECT PROCUREMENT MANAGEMENT THROUGH SAP
753. TURNKEY PROJECT MANAGEMENT PROCESSES AND PRINCIPLES
- 133. DEVELOPMENT CONSULTANTS PVT. LTD. (DCPL), KOLKATA**
754. STUDY OF PROCESSES, ANALYSIS AND INSTRUMENTATION FOR CHEMICAL PLANTS
755. DESIGN OF INDUSTRIAL STRUCTURES
- 134. TEGA INDUSTRIES, KOLKATA**
756. AUTO ADJUSTING SKIRT SEALING SYSTEM FOR CONVEYOR
757. AUGMENTATION OF MANUFACTURING PROCESS IN LINE TO REDUCE WASTAGE USING 5S
758. PREPARATION OF MARKETING KIT FOR TEGA CONVEYOR COMPONENTS SBU
759. DEVELOPMENT OF WEAR LINER FOR CEMENT AND POWER INDUSTRIES
- 135. TEXMACO LTD, KOLKATA**
760. DEVELOPMENT OF A MODEL TO PREDICT AND CORRELATE STEEL MECHANICAL AND CHEMICAL PROPERTIES
761. FIXTURE DESIGN AND INDUSTRIAL ENGINEERING FOR LOCO
- 136. PAXCEL TECHNOLOGIES, MOHALI**
762. MARKETING RESEARCH OF VARIOUS MOBILE APPS AND SOFTWARE TESTING
763. DEVELOPMENT AND PROMOTION OF TALENTHUNTONLINE
- 137. ADITYA BIRLA CORPORATE IT, MUMBAI**
764. MASTER DATA MANAGEMENT PORTAL DEVELOPMENT
- 138. ADITYA BIRLA CORPORATE WORLD CLASS MANUFACTURING, MUMBAI**
765. VALUE STREAM MAPPING AND ANALYSIS OF HINDALCO PLANT
766. VALUE STREAM MAPPING ANALYSIS OF HTC
- 139. ADITYA BIRLA SCIENCE & TECHNOLOGY COMPANY LTD, MUMBAI**
767. LITERATURE STUDY ON SINGLE FLUID PRESSURE SWIRL ATOMIZATION
768. PURIFICATION OF MONOCHLOROACETIC ACID
769. SULPHUR RECOVERY FROM H₂S GAS
- 140. CARWALE (AUTOMOTIVE EXCHANGE PVT. LTD.), MUMBAI**
770. IOS APP OF CARWALE
771. ANDROID APP OF CARWALE

- 141. CENTURY RAYON, MUMBAI**
772. WASTEWATER TREATMENT AND SULPHUR RECOVERY AT CENTURY RAYON
773. WASTEWATER TREATMENT AND SULPHUR RECOVERY
774. PRODUCTION & MARKET FEASIBILITY OF SELECT CHEMICALS
775. WASTEWATER TREATMENT AND SULPHUR RECOVERY AT CENTURY RAYON
- 142. CMC Ltd, MUMBAI**
776. CASE STUDY ON RAPID MOBILE APPLICATION DEVELOPMENT
- 143. CREDIT SUISSE, MUMBAI**
777. BLACK SCHOLES MODEL FOR OPTION PRICING, MEASURES OF RISK AND GREEK SENSITIVITIES
778. FO SOURCING
779. SECTORAL ANALYSIS OF SECURITIES LENDING, COST OF CAPITAL . AND DELTA ONE PRODUCTS
780. RISK DESTROYER DATABASE
781. VAR-SIGNIFICANCE IN MARKET RISK
782. STRATEGIC RISK MANAGEMENT - PRIME SERVICES
783. BASEL III: BANKING, FINANCIAL AND INSURANCE
784. EUROPEAN HYDRIDS REPORT ANALYSIS AND REPORTING
785. EQUITY CONTROLS AS AN INTEGRAL PART OF OPERATIONAL RISK MANAGEMENT
786. RAR SCENARIOS
787. PRIME SERVICES, OPRISK AND CONTROL TESTING
788. SECURITIES LENDING: BALANCING RISKS AND REWARDS
789. VAR
790. COUNTERPARTY CREDIT RISK – CREDIT VALUATION ADJUSTMENTS
791. ROLE OF ECONOMIC RISK CAPITAL IN RISK MANAGEMENT AT CREDIT SUISSE
- 144. DBOI (DEUTSCHE BANK), MUMBAI**
792. CREDIT RATING
793. EBA STRESS TEST -GCRT QUANTITATIVE IMPACT ANALYSIS
- 145. DEVELOPMENT CONSULTANTS PVT. LTD. (DCPL), MUMBAI**
794. POWER PLANT COMPONENT DESIGN AND STUDY OF POWER PLANTS AT HAZIRA AND DAHEJ
795. DESIGN OF CONNECTIONS
- 146. DOW CHEMICAL INTERNATIONAL PVT LTD, MUMBAI**
796. MARKET MAPPING AND ANALYSING THE VALUE CHAIN FOR TRAFFIC PAINTS
797. CONSTRUCTION CHEMICALS MARKET STUDY FOR AMINES.
- 147. GEOMETRIC LIMITED, MUMBAI**
798. USER INTERFACE DEVELOPMENT AND VOLUME COMPUTATION
799. FEATURE RECOGNITION
- 148. HERE MAPS - A NOKIA COMPANY, MUMBAI**
800. CONNECTIVITY VALIDATION, THICK CLIENT APPLICATION & THREAD SAFETY
801. MAP PRODUCTION LINE
802. NAVIGATION ANDROID APPLICATION
803. SPATIAL DATA ANALYSIS
804. CREATION OF DATA DEGRADATION METRIC AND REPORT
805. INCREMENTAL MAP UPDATE IN NAVIGATION DATA STANDARDS
806. SMARTCOOKIE – A REAL-TIME AUTOMATED ASSISTANCE SYSTEM FOR MAP-TOOLS
807. TO ANALYSE LOGS AND DETERMINE PERFORMANCE BOTTLENECKS IN VARIOUS TOOLS USED BY HERE FOR MAP CREATION AND MAINTENANCE
- 149. HILTI INDIA PVT. LTD, MUMBAI**
808. FIELD VISIT OF CONSTRUCTION SITE
809. ANALYSIS OF HILTI PRODUCTS & FIRESTOP SYSTEMS IN SOUTH MUMBAI
- 150. HOURGLASS RESEARCH, MUMBAI**
810. INTELLECTUAL PROPERTY RIGHTS
811. INTELLECTUAL PROPERTY RIGHTS AND PATENT INFRINGEMENT ANALYSIS
812. PATENT INFRINGEMENT ANALYSIS
- 151. J.P. MORGAN CHASE, MUMBAI**
813. OPTIMIZING ROUNDING VARIANCES IN THE NEW AUTOMATED ACCOUNTING PLATFORM
814. PROCESS IMPROVEMENT IN BANKING OPERATIONS
815. REPORTING USER DEVELOPED TOOLS REMEDIATION
816. PROCESS DEVELOPMENT IN CAPSTOCK (CAPFM) BREAKS FOR CET TEAM
817. VPR AND CONVERSIONS AUTOMATION
818. PROCESS EFFICIENCY PROJECTS IN TRADE OPERATIONS
819. ROOT CAUSE ANALYSIS OF TRADE BREAKS
820. UNIQUE TRADE IDENTIFIER (UTI) SCRUBBING
821. RESOURCE ALLOCATION USING ANALYTIC HIERARCHY PROCESS
822. UTI SCRUBBING
823. BANKING SECTOR & BASEL NORMS
824. TESTING PROCESS FOLLOWED IN UAT
825. DDA ACCOUNT DEBIT/CREDIT ENTRIES WITH MITS APPLICATION
826. TESTING OF PROPOSED TOOL TO BE USED FOR RECORDING AND ANALYZING ERRORS
827. TRANSFORMATION, EFFICIENCY AND COMPLIANCE OF BUSINESS WORKFLOW
828. FINANCIAL REPORTING STRATEGIC PROGRAM
829. MARKET INTELLIGENCE and AUTOMATION
830. EFFICIENCY IMPROVEMENT (DUBLIN FINANCIAL REPORTING)
831. TREASURY SERVICES OPERATIONS
832. AUTOMATION OF SHARE UNIT CONVERSIONS, SNDB CREATION FOR POI ACTIVITIES
833. ROOT CAUSE ANALYSIS OF FUND SERVICES INCOME OPERATIONS
834. INSTRUCTION MANAGEMENT: ANALYSIS OF ERRORS AND RESOLUTION

- 835. IDENTIFYING AND ELIMINATING THE INCOME BREAKS BY APPLYING ROOT CAUSE ANALYSIS
- 836. CORPORATE ACTIONS - ASSET SERVICING
- 837. PROCESS IMPROVEMENT OF CAPSTOCK (CAPFM) BREAKS FOR CET TEAM
- 838. USER ACCEPTANCE TESTING OF IM
- 839. REVIEW AND ANALYZE SWIFT MSG MT-564 STEP OUT REASONS ON CAMA UNAPPROVED QUEUE.
- 152. J.P. MORGAN SERVICES INDIA PVT. LTD, MUMBAI**
 - 840. TMT ASIA
 - 841. CALCULATION OF FREE CASH FLOW IN DCF VALUATION AND A STUDY OF LEVERAGED BUYOUT ANALYSIS
 - 842. YIELDCOS, AN EMERGING ASSET CLASS IN US POWER SECTOR
 - 843. VALUATION OF BANKS
 - 844. EQUITY CAPITAL MARKETS : CONVERTIBLE BOND FUNDED SHARE REPURCHASE
 - 845. DEBT CAPITAL MARKET
 - 846. CREATING PITCHBOOKS FOR BUY/SELL SIDE TRANSACTIONS
- 153. KPMG, MUMBAI**
 - 847. SOFTWARE LICENSE REVIEWS (SLR)
- 154. MAYURESH GROUP, MUMBAI**
 - 848. SCHEDULING AND ESTIMATION OF BHAKTI PARK BUILDING NO 1
 - 849. PLANNING, SCHEDULING, COST ESTIMATION AND EXECUTION OF ECO-EDEN CLUB EXTENSION
 - 850. MARKET RESEARCH AND SURVEY TO ANALYZE PROFITABILITY AND FEASIBILITY OF UPCOMMING PROJECTS
 - 851. PLANNING, SCHEDULING, COST ESTIMATION AND EXECUTION OF ECO-EDEN CLUB
- 155. MORNINGSTAR, MUMBAI**
 - 852. EFFECT OF CORPORATE ACTIONS ON INDEX CALCULATION
- 156. MSCI BARRA CLIENT SERVICES, MUMBAI**
 - 853. PORTFOLIO RISK MANAGEMENT ANALYTICS AND REPORTING
 - 854. CREATING RESPONSES TO RFP
 - 855. PRE-SALES ANALYTICS SUPPORT
- 157. MSCI BARRA DATA MANAGEMENT, MUMBAI**
 - 856. GIS AND MARKET DATA STREAMLINING.
 - 857. DATA STREAMLINING TO ENSURE DATA QUALITY
- 158. MSCI BARRA QUANTITATIVE EQUITY RESEARCH, MUMBAI**
 - 858. CALCULATION OF INDEX TURNOVER AND ANALYSIS OF REBALANCING RESULTS
 - 859. FACTOR INDEX CONSTRUCTION
 - 860. CREATING MSCI VALUE AND GROWTH INDICES
- 159. MSCI FINANCIAL PLANNING & ANALYSIS, MUMBAI**
 - 861. EXPENSE ANALYSIS AND REPORTING
- 160. MSCI INDEX AND RESEARCH, MUMBAI**
 - 862. ANALYSIS OF MSCI INDEX DATA USAGE IN INDIAN KPO SEGMENT
 - 863. ESG ASSESSMENT OF LOCAL AUTHORITIES AND SOVEREIGN COUNTRIES AND ASSESSING THE ELIGIBILITY OF GREEN BOND
- 161. MSCI TECHNOLOGY & DEVELOPMENT, MUMBAI**
 - 864. MIGRATION AND UPGRADATION OF BARRA AEGIS
 - 865. WORKFLOW AND REPORTING AUTOMATION
- 162. NETCORE SOLUTIONS, MUMBAI**
 - 866. DEVELOPMENT AND INTEGRATION OF FORM BUILDER INTO THE NETCORE SERVER
- 163. SKODA AUTO INDIA PVT. LTD, MUMBAI**
 - 867. WORKSHOP CAMPAIGNS
- 164. WOOTIFY, MUMBAI**
 - 868. DELIVERY MANAGEMENT SYSTEM
 - 869. EXAMIFY
 - 870. MANAGEMENT OF WEB AND MOBILE APPLICATION FOR EXAMIFY
 - 871. GOQII ANDROID APPLICATION DEVELOPMENT
- 165. WORLEY PARSONS INDIA, MUMBAI**
 - 872. WATER DISPOSAL AREA - HUMMA, ARQ, SOUTH FUWARIS, FUTURE GROWTH PROJECT
 - 873. FLARE RADIATION ANALYSIS
 - 874. YAMAMA FEED JOB
 - 875. ACTIVITIES AND FUNCTIONS OF PROCESS DEPARTMENT IN AN EPC
- 166. GRASIM INDUSTRIES LTD, NAGDA**
 - 876. ANALYSIS OF PETTY CONTRACT SYSTEM IN GRASIM INDUSTRIES AND ITS STANDARDIZATION
- 167. GLOBAL LOGIC, NAGPUR**
 - 877. POC ON APACHE HADOOP AND SPARK
 - 878. AUTOMATION OF RELEASE REPORT GENERATION & FABRICATION OF FALL-DETECTION ELECTRONIC SYSTEM
 - 879. IOS APPLICATION DEVELOPMENT
 - 880. ANDROID BASED APPLICATION DEVELOPMENT TO SUPPORT A SPECIFIC NEUROSTIMULATOR TECHNOLOGY
- 168. SKYLINE CONSULTING ENGRS PVT. LTD, NAGPUR**
 - 881. STRUCTURAL DESIGN OF RCC BUILDINGS, RETAINING WALLS AND BOX CULVERT
- 169. TECHTURE STRUCTURES PVT LTD, NAGPUR**
 - 882. ASSISTANCE OF BUILDING INFORMATION MODELLING DURING CONSTRUCTION IN INDIA
- 170. OIL COUNTRY TUBULAR LTD, NARKATPALLY**
 - 883. DESIGN OF 250 TON HYDRAULIC PRESS
 - 884. ANALYSIS OF BOMBSHELL DEFECTS IN DRAWING PROCESS

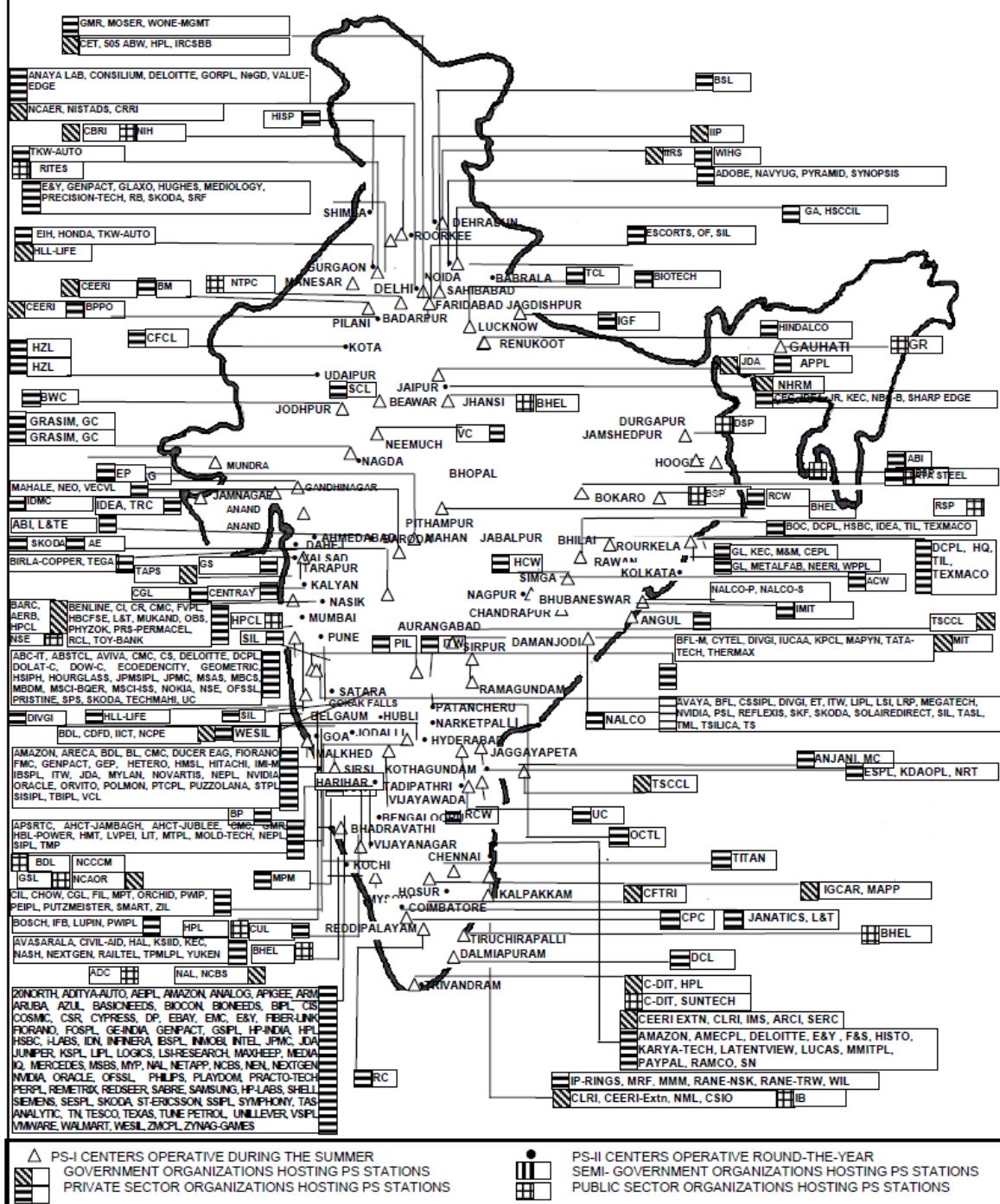
885. AUTOMATION OF LONGITUDINAL MAGNETIC COIL INSPECTION.
886. PRODUCTION PROCESS FOR AK-100 STEEL CASE CARTRIDGES.
- 171. ANOVIP, NEW DELHI**
887. INTELLECTUAL PROPERTY SERVICES IN THE FIELD OF PATENT INFRINGEMENT AND MONETIZATION
888. INTELLECTUAL PROPERTY SERVICES IN THE FIELD OF PATENT RESEARCH ANALYTICS
- 172. CENTRAL ROAD RESEARCH INSTITUTE, NEW DELHI**
889. ESTIMATION OF ECONOMIC LOSS DUE TO IDLING OF VEHICLES AT SIGNALIZED INTERSECTION AND FINDING MITIGATION MEASURES
890. ESTIMATION OF ECONOMIC LOSS DUE TO IDLING OF VEHICLES AT SIGNALIZED INTERSECTION AND FINDING OUT SUITABLE MITIGATION MEASURES FOR THE SAME
- 173. GREY ORANGE ROBOTICS PVT. LTD, NEW DELHI**
891. FLOOR MAPPING SYSTEM
892. BUTLER INTERFACE
- 174. HILTI INDIA PVT. LTD, NEW DELHI**
893. TERRITORY PLANNING IN MUMBAI'S M&E SEGMENT
894. EXPLORING BUSINESS EXPANSION AVENUES IN CENTRAL DELHI AND WEST DELHI REGIONS
- 175. NATIONAL COUNCIL OF APPLIED ECONOMIC RESEARCH, NEW DELHI**
895. ANALYSIS OF VALUE OF URBAN LAND BASED ON TRENDS AND PATTERNS IN THE PRICES OF LAND, ESTIMATION OF GSDP FOR DAMAN & DIU AND DADAR & NAGAR HAVELI, BUSINESS CYCLE PROPERTIES AND DSGE MODELING FOR AN EMERGING MARKET ECONOMY, CALCULATION OF NOMINAL FRICTION IN ITEMS OF WPI & CPI.
896. EVALUATION STUDY OF TARGETED PUBLIC DISTRIBUTION SYSTEM
- 176. NATIONAL INSTITUTE OF SCIENCE AND TECH. DEV. STUDIES (NISTADS), NEW DELHI**
897. COMPARISON OF BIOTECHNOLOGY POLICY OF INDIA AND CHINA
898. A STUDY OF PATENTING ACTIVITY IN GRAPHENE
899. INNOVATIVE TREATMENT TECHNOLOGY FOR DOMESTIC WASTEWATER
900. MOTIVATION OF INDIAN STUDENTS TO STUDY SCIENCE
- 177. VALUE EDGE INDIA, NEW DELHI**
901. EXTERNAL REFERENCE PRICING
902. COMPETITIVE INTELLIGENCE IN THE FIELD OF PHARMACEUTICS
903. COMPETITIVE INTELLIGENCE IN THE FIELD OF PHARMACEUTICALS
904. CREATION OF ANDROID APPLICATION NAMED AS "U FIRST- DISCOVER YOURSELF ONE DAY AT A TIME".
905. MANAGEMENT AND DEVELOPMENT OF A SALES FORCE EFFECTIVENESS TOOL
906. EXAMINE THE CNS MARKET FOR ALZHEIMER'S DISEASE: COMPETITIVE LANDSCAPE, PIPELINE ANALYSIS AND CRITICAL ANALYSIS OF CLINICAL TRIALS.
- 178. ALLIANCE INFOTECH, NOIDA**
907. PRE SALES AND MARKETING ACTIVITIES
908. FORMATION OF A MARKET INTELLIGENCE REPORT
- 179. ATRENTA INDIA PVT. LTD, NOIDA**
909. PERFORMANCE BENCHMARKING
910. IMPLEMENTATION OF BUS ABSTRACTION ON THE STATIC TIMING ENGINE OF SPYGLASS-PHYSICAL TOOL
- 180. CSR LTD, NOIDA**
911. LTS MAP SERVER PERFORMANCE ENHANCEMENT
912. IMPLEMENTATION OF OPEN SOURCE MODULES WIREMOCK AND SWAGGER
- 181. GLOBAL LOGIC, NOIDA**
913. ARDUINO BASED PROJECTS
914. SERVER-SIDE DATA MANAGEMENT FOR MOBILE APPLICATIONS , WEB ANALYTICS
915. E-COMMERCE APPLICATIONS IN IOS AND ANDROID
916. PHONEGAP MOBILE APPLICATION DEVELOPMENT
917. INSERTION OF ADVERTISEMENTS IN VIDEOS (ON DEMAND) USING WOWZA STREAMING ENGINE
918. GOLIATH ANALYTICS
- 182. SPICER INDIA LTD, PANTNAGAR**
919. REDUCTION IN THE CONSUMPTION OF PAINT/SHAFT BY 50%
- 183. CENTRAL ELECTRONICS ENGINEERING RESEARCH INSTITUTE, PILANI**
920. MICROCONTROLLER BASED TEMPERATURE CONTROL OF MOS BASED GAS SENSOR
921. VLSI ARCHITECTURE FOR HISTOGRAM EQUALIZATION
922. ZIGBEE PROTOCOL ANALYSIS
923. FABRICATION OF GOLD NANO-PATTERNS USING SCANNING PROBE LITHOGRAPHY
924. IMPLEMENTATION OF SERIAL PERIPHERAL INTERFACE BETWEEN FPGA AND WSN NODE
925. BLDC MOTOR CONTROL TECHNIQUES
926. CARBON NANOTUBE BASED GAS SENSORS
927. GAIT ANALYSIS USING KINECT FOR DIAGNOSIS OF HEALTH PROBLEMS IN HOME.
- 184. AUTODESK, PUNE**
928. CURVE EXTRACTION THROUGH API
929. STATIC CODE ANALYSIS AND CURVE EXTRACTION API
- 185. AVAYA INDIA, PUNE**
930. POC OF FRAMEWORK to ADD WPF COMPONENT IN AVAYA EMC PRODUCT
931. BUILDING A FRAMEWORK FOR TESTCASE WRITING AND EXECUTION
- 186. B.G.SHIRKE CONSTRUCTION TECHNOLOGY PVT. LTD, PUNE**
932. STRUCTURAL DESIGN OF G+1 BUILDINGS AND WATER RETAINING STRUCTURES
933. DESIGN OF G+1 STRUCTURES AND WATER RETAINING STRUCTURES
- 187. BATELLE SCIENCE AND TECHNOLOGY INDIA PVT LTD, PUNE**
934. DESIGN AND DEVELOPMENT OF HUMAN POWERED X-RAY MACHINE

- 935. DUST REPELLENT COATINGS
- 936. DEVELOPMENT OF A NOVEL CONTINUOUS NON-INVASIVE BLOOD PRESSURE MONITORING SYSTEM
- 937. PROTEIN EXTRACTION, DETECTION AND FABRICATION OF SENSOR FOR FOOD SPOILAGE
- 188. BEHR INDIA LTD, PUNE**
 - 938. OPTIMIZATION OF GEOMETRIES USING ADJOINT FLOW SOLVER
 - 939. 3DCS TOLERANCE SIMULATION
 - 940. CORE END PLATE THICKNESS SENSITIVITY STUDY FOR HEAT EXCHANGER USING FEA SIMULATIONS
- 189. BHARAT FORGE LTD, PUNE**
 - 941. REDUCTION OF AXLE BEAM INVENTORY HOLDING COST USING JUST IN TIME MANUFACTURING
 - 942. STRESS ANALYSIS ON WELDED JOINTS
 - 943. TOOL COST REDUCTION OF CL3 LINE IN MCD-II
- 190. CENTRE FOR DEVELOPMENT OF ADVANCED COMPUTING, PUNE**
 - 944. SCALABILITY STUDY OF WRF MODEL ON INTEL XEON PHI BASED PARAM YUVA II SYSTEM
 - 945. IMPLEMENTATION OF COUPLED ATMOSPHERE & HYDROLOGY MODELLING FRAMEWORK (WRF-HYDRO) ON PARAM YUVA II
- 191. CHRYSLER INDIA AUTOMATIVE, PUNE**
 - 946. AIR INTAKE LAYOUT PRESSURE DROP CALCULATION FOR SUZUKI SWIFT ZDI & PUNTO EVO DYNAMIC
 - 947. DEVELOPMENT OF DURABILITY DUTY CYCLE AND INDIA CITY CYCLE
 - 948. EVALUATION OF MINIMUM DOOR CLOSING VELOCITY USING ANALYTICAL APPROACH
- 192. CREDIT SUISSE, PUNE**
 - 949. PNL & FOBO RECONCILIATION
 - 950. LINE CHANGE ACTIVITIES FOR PRODUCT CONTROL DEPARTMENT
 - 951. CREDIT RISK CHANGE MANAGEMENT
 - 952. BACKTESTING
 - 953. CREDIT RISK EVALUATION
 - 954. REFERENCE DATA CONTROL
 - 955. MYRIAD DATA ONBOARDING ONTO STANDARD FILE FORMAT
 - 956. DATA MANAGEMENT AND CONTROL
 - 957. CLUSTERNET-A MARKET RISK APPLICATION
 - 958. STRUCTURED TRADE REVIEWS (GFX AND RATES TRADES), GFX STATUS REPORT, WORK FLOW TOOL & RATES PRICE TESTING
 - 959. DEPARTMENT CONTROLLER FOR INFLATION AND PRIME SERVICES
 - 960. INVESTMENT BANKING – CLIENT FINANCE: KEY CONCEPTS AND PROCESSES
 - 961. CREDIT RISK EXPOSURE MANAGEMENT
 - 962. RISK FACTOR IDENTIFICATION
 - 963. BASEL 2.5 SECURITIZATION AND HEDGES TRADE ANALYSIS AND RECONCILIATION
 - 964. PRICE TESTING, STRUCTURED TRADE REVIEW, AUTOMATION & REPORTING
 - 965. UNDERSTANDING AND IMPROVING PROCESSES RELATED TO THE CONSOLIDATION AND CONTROL OF CLEAN P&L
 - 966. ONBOARDING THE TRADE DATA INTO MYRIAD
 - 967. CREDIT RISK EXPOSURE HANDLING
 - 968. FOBO RECONCILIATIONS FOR EMEA & APAC STOCK LOAN BORROW
 - 969. REPORTING DAILY PROFIT & LOSS FOR EMG LONDON AND GFX BOOKS
 - 970. STANDARDIZED APPROACH FOR MEASURING COUNTERPARTY CREDIT RISK BASED ON REVISED BIS RULES. STANDARDIZED APPROACH FOR MEASURING COUNTERPARTY CREDIT RISK BASED ON REVISED BIS RULES.
 - 971. DERIVATIVE PRODUCTS AND FINANCIAL REPORTING OF DAILY P&L (PROFIT AND LOSS)
 - 972. PROCESS EXCELLENCE
 - 973. GIS- INSIGHT RECONCILIATION PROCESS
 - 974. MYRIAD - FEED MANAGEMENT
 - 975. MARKET RISK CHANGE MANAGEMENT
 - 976. PRICE TESTING, STRUCTURED TRADE REVIEW, AUTOMATION & REPORTING
 - 977. STRUCTURED TRADE REVIEW, WORK FLOW TOOL AUTOMATION AND INDEPENDENT PRICE VERIFICATION
 - 978. RUN THE BANK
 - 979. P7: DAILY TRADE ATTRIBUTION & DB MANAGEMENT
 - 980. PREPERATION & REPORTING SCORECARD
 - 981. RECONCILIATION OF FRONT OFFICE AND BACK OFFICE DATA
 - 982. RDS & MARS/ET BAU RELEASE CYCLE
- 193. DIVGI WARNER PVT LTD, PUNE**
 - 983. PROJECT MANAGEMENT APPLICATION DEVELOPMENT
 - 984. ADVANCED PRODUCT QUALITY PLANNING AND ISO 14001 AUDIT
 - 985. PRODUCTIVITY IMPROVEMENT USING VALUE STREAM MAPPING, DMAIC APPROACH AND TIME STUDY
- 194. EATON TECHNOLOGIES, PUNE**
 - 986. DEVELOPING A SIMULINK BASED HYDRAULIC TOOL BOX WITH BASIC ELEMENTS TO BUILD A COMPLEX HYDRAULIC SYSTEM
 - 987. RELIABILITY ASSESSMENT OF ELECTRICAL SYSTEMS USING 'DESIGN FOR RELIABILITY' APPROACH
- 195. GABREL INDIA LTD, PUNE**
 - 988. MINIMIZING WARRANTY RETURNS, M&M BOLERO
- 196. HALLIBURTON TECHNOLOGY CENTER, PUNE**
 - 989. COMPATIBILITY STUDY OF MUD AND SPACER FOR VARIOUS COMPOSITIONS.
 - 990. FINES CONSOLIDATION IN OIL WELL DRILLING
- 197. IDEAS - SAS, PUNE**

991. CAB-SERVICE OPTIMIZATION
 992. CAB OPTIMIZATION SYSTEM
 993. IDEAS FUNCTION SPACE REVENUE MANAGEMENT
- 198. IDEAS FUNCTION SPACE REVENUE MANAGEMENT, PUNE**
 994. STUDY OF VARIOUS ASPECTS ON CONSTRUCTION MANAGEMENT
- 199. ISHWAR PARMAR GROUP, PUNE**
 995. STUDY OF VARIOUS ASPECTS ON CONSTRUCTION MANAGEMENT
- 200. MAHLE FILTERS INDIA LTD, PUNE**
 996. COST OF POOR QUALITY REDUCTION (MINIMIZE INPUT/OUTPUT GAP)
 997. QUALITY SUSTENANCE AND SYSTEM IMPROVEMENT
 998. QUALITY SUSTENANCE AND SYSTEM IMPROVEMENT
- 201. NATIONAL CHEMICAL LABORATORY, PUNE**
 999. SYNTHESIS OF NOBLE METAL NANOCCLUSERS AND ENCAPSULATION IN MESOPOROUS SILICA NANOPARTICLES.
 1000. ADSORPTION OF DYES ON MONTMORILLONITE CLAY
 1001. MODELING OF CONTINUOUS EXTRACTION COLUMNS (REACTIVE AND NON-REACTIVE)
- 202. NVIDIA GRAPHICS, PUNE**
 1002. PERFORMANCE TESTING TOOLS FOR MULTI-GPU SYSTEMS
 1003. EXTRACTION OF TIMESTAMPS FROM MP4 FILES AND ADDING TOOLS FOR TEGRA VIDEO DRIVERS
- 203. REFLEXIS SYSTEMS INDIA PVT LTD, PUNE**
 1004. AUTOMATED DEPLOYMENT IN JENKINS
 1005. INVENTORY SYSTEM WEB APPLICATION AARCHITECTURE
 1006. AUTOMATION FRAMEWORK USING SELENIUM WEBDRIVER AND JUNIT
 1007. AUTOMATION FRAMEWORK USING SELENIUM WEBDRIVER AND JUNIT
 1008. HR WORK LOG AUTOMATION
 1009. INVENTORY SYSTEM WEB APPLICATION DEVELOPMENT
- 204. SKF INDIA LTD, PUNE**
 1010. OPTIMISATION OF KEY CHANNEL PROCESSES
 1011. CLEANLINESS ANALYSIS OF TAPERED ROLLER BEARINGS
 1012. ENERGY CONSERVATION IN DGBB (DEEP GROOVE BALL BEARING) MANUFACTURING DEPARTMENT.
 1013. SCRAP REDUCTION OF DEEP GROOVE BALL BEARING (DGBB)
 1014. IDENTIFY BOTTLENECK AND IMPROVE EFFICIENCY OF IDENTIFIED BOTTLENECK
- 205. SKODA AUTO INDIA PVT. LTD. (CHAKAN), PUNE**
 1015. ANALYSIS OF GLOBAL SOURCING AT INDIA FOR LOCALIZATION AND EXPORT
 1016. COMPARISON STUDY OF A FEW COMPONENTS OF SKODA RAPID ELEGANCE WITH ITS COMPETITOR CARS
 1017. SKODA RAPID ACCESSORIES DEVELOPMENT
- 206. SPICER INDIA LTD, PUNE**
 1018. DEVELOP A WHY-WHY ANALYSIS MODULE FOR OES AT SHOP FLOOR
 1019. LASER WELD DIFFCASE DESIGN DEVELOPMENT PROGRAM
 1120 MOMENT OF TRUTH: UNDERSTAND, ANALYZE AND IMPROVE CUSTOMER PERCEPTION ABOUT THE COMPANY
- 207. TATA AUTOCOMP SYSTEMS LTD, PUNE**
 1121. SPEND ANALYSIS, VENDOR ANALYSIS AND COST REDUCTION OF SPARE PARTS PURCHASING THROUGH COMMON VENDOR
 1122. BUSINESS OPERATIONS MANAGEMENT OF IEDGE LEARNING PROGRAM
 1123. TO BUILD PLAN AND EXECUTE FOR DISTRIBUTION CHANNEL, DIGITAL MEDIA AND CUSTOMER RELATIONSHIP
 1124. SUPPORTING IN SETTING UP TATA AUTOCOMP AFTERMARKET PROCESSES AND BENCHMARKING OF E-LEARNING PROGRAM AND LAUNCHING STUDENT DISCOUNT SCHEME
- 208. TATA MOTORS, PUNE**
 1125. LEAKAGE PREVENTION IN M&HCV TATA TRUCKS
 1126. IMPLEMENTATION AND ANALYSIS OF 'WORLD CLASS QUALITY' AND OTHER IT PROJECTS
 1127. ASSISTING IN PRODUCT ANALYSIS AND NEW PRODUCT DEVELOPMENT AT TATA MOTORS
 1128. REDUCTION OF HIGH ENGINE OIL CONSUMPTION IN 497 DIESEL ENGINES
- 209. TATA TECHNOLOGIES, PUNE**
 1129. UNIVERSAL CAR HEAT SOAK MODEL
 1130. DESIGN OF A SCREW JACK
 1131. DEVELOPMENT OF A PROCEDURE FOR DESIGN AND OPTIMIZATION OF BACKHOE-LOADER LINKAGES
 1132. NUMERICAL ANALYSIS COOLANT FLOW IN ENGINE COOLING JACKET
- 210. TENSILICA, PUNE**
 1133. AUTOMATED PATCH MANAHEMENT AND TESTING OF XPLOER
 1134. SPEECH RECOGNITION SYSTEM
 1134. OPTIMIZATIONS OF DSP KERNELS ON TENSILICA DSP PLATFORM
- 211. THERMAX, PUNE**
 1135. DESIGN AND FABRICATION OF EVACUATED RECEIVER TUBE FOR PARABOLIC TROUGH CSP TECHNOLOGY
 1136. DEVELOPMENT OF HEAT RECOVERY CONDENSING ECONOMIZERS
- 212. CENTRAL BUILDING RESEARCH INSTITUTE, ROORKEE**
 1137. DESIGN AND ANALYSIS OF HOLLOW CORE UNIT BASED ON ACI 318-1995
 1138. EXPERIMENTAL AND NUMERICAL STUDY OF SOIL GEOGRID INTERACTION
 1139. APPLICATION OF POLYPROPYLENE FIBER IN JACKETING OF RC MEMBERS

1140. ANALYSIS OF RCC BEAMS UNDER FATIGUE
- 213. SPICER INDIA LTD, SATARA**
1141. LPG USAGE ELIMINATION FROM MANUFACTURING PROCESS AND ELECTRICITY CONSUMPTION.
- 214. RSV CONSTRUCTION PVT. LTD, SECUNDERABAD**
1142. DESIGN OF WELL FOUNDATION, ANALYSIS OF TENDERS AND CONSTRUCTION MANAGEMENT
- 215. DIVGI WARNER PVT LTD, SIRSI**
1143. PRODUCTIVITY IMPROVEMENT OF DIVGI-WARNER PVT LTD USING VALUE STREAM MAPPING (VSM), TIME AND METHOD STUDY, REDUCTION OF INTERNAL PPM USING SIX SIGMA, DESIGN OF TOOL AND GAUGE CRIB
- 216. ACE BUSINESS AND MARKET RESEARCH GROUP, SURAT**
1144. CNS DRUGS MARKET
- 217. ADITYA BIRLA CHEMICALS LTD, THAILAND**
1145. EFFICIENCY CALCULATION AND IMPROVISATION OF CYCLONE SEPARATORS
1146. STANDARDIZATION OF PACKING SACKS AND THEIR COST REDUCTION
1147. REDUCTION OF STEAM USAGE
1148. CONTINUAL IMPROVEMET OF PRODUCTION PROCESS OF SULFITE AND STUDY OF VALUE ADDED PRODUCTS
1149. TO REDUCE NITROGEN GAS CONSUMPTION IN THE PLANT WHICH HAS BEEN INCREASING OVER THE FEW YEARS FOR UNKNOWN REASONS . TO ENLIST THE REASONS AND TRY TO MINIMIZE THEIR EFFECT. THE BUDGET FOR NITROGEN IS 20 NM3/TON AND ACTUAL TO DATE RATIO IS 42 NM3/TON.
1150. TO REDUCE NATURAL GAS CONSUMPTION IN THE PLANT WHICH HAS BEEN INCREASING FROM PAST 4 YEARS FOR UNKNOWN REASONS . TO ENLIST THE REASONS AND TRY TO MINIMIZE THEIR EFFECT. TO OPTIMIZE THE HYDROGEN PEROXIDE PRODUCTION. THE DECIDED BUDGET FOR NATURAL GAS CONSUMPTION IS 15.24 MBTU/TON AND ACTUAL TO DATE RATIO IS 15.5-15.6 MBTU/TON.
1151. DESIGN PROJECTS FOR PLANT IMPROVISATION
- 218. CENTRE FOR DEVELOPMENT OF IMAGING TECHNOLOGY , TRIVANDRUM**
1152. CEP Office And School Automation
- 219. KLIENTAS, TRIVANDRUM**
1153. WEB DEVELOPMENT USING WORDPRESS BACKEND.
1154. LAW PUNDITS - BUSINESS DEVELOPMENT & ANALYSIS AND KLIENTAS- CORPORATE DESIGN
1155. BUSINESS DEVELOPMENT AND MARKETING
1156. FINANCIAL ACCOUNTING AND DATA MINING
1157. CONTENT MANAGEMENT SYSTEM WEBSITE DEVELOPMENT
- 220. SUNTEC BUSINESS SOLUTIONS PVT. LTD, TRIVANDRUM**
1158. MODULE TESTING FRAMEWORK FOR PROCESS CONTAINER /TPE
1159. PERFORMANCE ENHANCEMENTS OF JAVA APPLICATIONS USING CUDA FRAMEWORKS
1160. BUSINESS RULE EDITOR
- 221. JSW STEEL, VIJAYNAGAR**
1161. COIL EVACUATION EFFICIENCY IMPROVEMENT
1162. DERIVING A CO-RELATION BETWEEN FUEL RATE AND DIRECT REDUCTION RATE AND PLOTTING THE C-DRR DIAGRAM
1163. ESTIMATION OF HEATING TIME AND COOLING TIME IN BATCH ANNEALING FURNACE.
1164. ENERGY SAVING BY OPTIMIZING THE NUMBER OF DESCALE PUMPS
1165. AUTOMATIC CONTROL OF BASICITY (B2) WITH ONLINE ANALYZER INSTALLED IN SINTER PLANT #1

BITS PRACTICE SCHOOL STATIONS 2013-2014



Alumni Affairs Division

Distinguished Alumnus Awards 2014:

"BITS Pilani Distinguished Alumnus Award" in 2014 to the following alumni:

- Prof. Anil Pahwa, Professor at Kansas State University
- Prof. Gurindar Sohi, Professor at University of Wisconsin-Madison
- Dr. Chandrashekhar, Director, CEERI, Pilani
- Mr. Pradeep Kashyap, Founder and CEO, MART
- Mr. Raju Reddy, Chairman, BITSAA International

This is in recognition of their significant and outstanding contributions to Professional management of businesses, entrepreneurship or academic teaching and/or research. The awards were presented during the Convocation 2014 at Pilani, on July 20, 2014.

BITSians Day:

The second edition of 'BITSians Day' was celebrated on 1st of August, 2014.

Alumni Cell Pilani Campus

During the year, a number of Alumni related events were organized including Silver Jubilee Reunion, Golden Jubilee Reunion, Farewell parties to passing out graduates. Brief about some of the prominent activities organised during the year are as under:

Visit by 1964-69 Batch Alumni

The 1964 Batch was on campus to celebrate their Reunion for two days – 23rd and 24th August 2014 . There were more than 80 extra ordinary achievers in different walks of life who had come with their families to rejoice their past memories. Their batch consisted of 320 students, of whom 250 have been actively participating in different meets of their Batch which is a regular feature that has given a distinction of holding world record "ALUMNI MEET OF A SINGLE BATCH" that has been published by Limca Book of Records 2005. During these two days, the batch organised special programmes including visit to different places such as museum, saraswati temple, library, institute research labs etc. Batch has organized a felicitation cum entertainment programme wherein Prof B N Jain , Vice Chancellor and Prof G Raghurama, Director Pilani Campus shared their thoughts on developments in the institute during last five decades and expectations from Alumni who are the greatest strength of the institute.

A Grand Gala musical event was also held in the evening of Sunday, 24 August. Chintan Rockstar - voice of Kishore Da and Mr. Dilip Kawthekar - voice of Manna De enthralled the Alumni members of 1964 batch and other dignitaries.

Silver Jubilee Reunion of 1984-1989 Batch

The biggest ever Silver Jubilee Reunion was celebrated between 17th and 19th October 2014. Around 200 Alumni from the Batch of 1985-89 came back to their Alma Mater. More than 90 of them came from abroad – USA, UK, Australia etc. They have risen to great heights and excelled in different walks of life such as CEO's, entrepreneurs, renowned academicians, venture capitalists, investment bankers, operating NGO's etc. Other than organizing multiple functions such as interaction with senior students on specific topics related to career mentoring and industry trends, meeting with faculty members, delivering lectures on management themes, marathon race and playing games with existing students, they felicitated their old faculty members who had taught them in a special function and recollected their old memories and expressed their gratitude to their Alma mater. In a felicitation function, Prof G Raghurama, Director Pilani campus shared about future developmental plans about the institute. Prof B N Jain, the Vice Chancellor, BITS Pilani admired about their success in different fields and wished them a happy and fulfilling life. He shared about seven key and distinct imperatives on which institution is focusing to become one amongst the top 25 institutions in Asia by 2015. He also shared the avenues for Alumni participation in multiple ways for the growth of the institute. Prof K E Raman, Director K K Birla Goa Campus BITS Pilani and Chairman of the Alumni Affairs Division shared about the pride that institution takes in the success of their Alumni and expressed that institution looks for greater involvement of their Alumni in its growth by spending their valuable time and effort.

Visit by 1969-74 Batch Alumni

After 40 years of graduation, around 30 Alumni along with their family members from the Batch of 1969-74 came back to their Alma Mater to celebrate their Ruby Jubilee Reunion. A few of them came from abroad – USA, Dubai and Muscat. The batch includes senior IAS officer, Army personals, Educationist and entrepreneur etc.

The batch interacted with senior students on specific topics like Prospects and Opportunities in Various Sectors of the Economy and met faculty members. They also felicitated their old faculty members who had taught them in a special function and expressed their gratitude to their Alma mater. They also suggested certain measures to help the institute grow. During this function Prof B N Jain, the Vice Chancellor, BITS Pilani shared his thoughts about future thrust areas with a special emphasis on research to take the institute to greater heights. In felicitation function, Prof G Raghurama, Director Pilani campus welcomed them and shared about infrastructural developmental plans about the campus.

Visit by 1990 Batch Alumni

After 25 years of their admission to BITS, around 160 Alumni from the Batch of 1990 came back to their Alma Mater to celebrate their Reunion. A total of 275 people came to Pilani including their spouses, children and Parents. More than 80 of them came from abroad – USA, UK, Australia, Singapore among many other countered. The batch includes senior IPS officer, army personals, educationist, senior government officers, artists and entrepreneur etc. The batch visited the campus and nearby places and recollected their old memories.

In a special function, Prof B N Jain, Vice Chancellor, BITS Pilani admired about their success in various sectors and wished them a happy life He also shared about a distinct shift in taking the institution to greater heights by focusing on making it research led institution. He shared about seven key and distinct imperatives on which institution is focusing to become one amongst the top 25 institutions in Asia by 2015. The batch expressed their gratitude and take resolution to give back to their Alma mater.

Farewell to Graduating Students

A high tea party was organized to bid a farewell to graduating students of class 2014. Farewell to graduating students of 2010-14 batch was held at the VFAST lawns on wednesday, 30th April 2014. Speaking on the occasion, Vice Chancellor Prof B N Jain congratulated the students and called upon them to make their family and their institution proud. He also said that they should remember all those who helped them to reach the present level. Prof G Raghurama, Prof G Sundar, Prof Surekha Bhanot and Prof Arya Kumar shared their thoughts for the benefit of graduating students.

Similar farewell graduating party was organized on 28th November 2014 to bid farewell to graduating students of class 2015. Around 450 students of 2010-14 batch were present in the function. Prof B N Jain, Vice-chancellor, Prof G Raghurama, Director, Prof. H O Bansal, faculty –in charge, Alumni cell, Prof K N Sachdev and Dr C B Das shared their thoughts with students and wish the student very best in their future endeavors and advised the students to be connected with their alma mater.

Several students spoke on these farewells and conveyed their gratitude to the Institute and the teachers for helping them learn and grow. They said that staying at BITS and facing the challenges has made them better human beings while building leadership qualities.

During Music Night, Prof G Raghurama, Director Pilani campus shared his thoughts and appealed for their active participation towards institute development.

Embryo & On-campus Lectures: BITS Alumni Affairs Cell organized the following lectures in collaboration with CMN (Campus Mentoring Network), BITSAA International.

S.No	Topic	Date	Speakers
1	Data Mining	16 th October 2014	Vinodh Balasubramanian- Batch of 1994 , Head, Trust Analytics, Ebay Inc. Vijay Jayaram- Batch of 2003, Manager, Buyer Analytics, Ebay Inc.
2	Investment Banking	26 th September 2014	RaviKanth Konteti, Head of Operations Corportate and Investment Bank India & Phillipines, JP Morgan Chase & Co.
3	Admissions into BSchools	19 th August 2014	Arpit Sharma, Insead , 2005 Batch

Mrs Mridula Sankhyan from Goldman Sachs, 1985 batch, Bits Pilani, conducted a lecture on career counselling in Meera Bhawan for girls.

Alumni Affairs Cell, K K Birla Goa Campus:

AMA Session:

Ask Me Anything (AMA) session is meant to primarily better inform students about the various opportunities available with our international body of alumni association i.e. **BITSAA International** and how to avail these. The session for this year held on **25th September, 2014** and **Parth Goel**, Campus Relations Goa Coordinator, BITSAA International and a Fourth year undergraduate was the speaker.

Embryo & On-campus Lectures:

Alumni Affairs Division of BITS Pilani K K Birla Goa Campus has organized 15 Embryo & On-campus talks from August – December, 2014. Details are as follows:

S. No	Name of the Alumn(us)i	Topic	Date
1	Mr. Prashant P M Mr. Aakash Goel Mr. Shravan Sukumar Mr. Vishal K R Mr. Mayank Mohta Mr. Saurabh Arora	Alumni Research Talks 3.0	17 th to 19 th January, 2014
2	Ms. Gayle Laakmann Mcdowell	Cracking The Coding Interview	21 st January, 2014
3	Mr. Sarath Babu Elumalai	A Mission With Passion	3 rd February , 2014
4	Pilani : Mr. Martand Aditya & Mr. Rachit Goel Goa: Mr. Dishin Shrimankar, Mr. Kedar Pradhan & Ms. Devanshi Kesaria Hyderabad: Mr. Mohammed F Darvesh & Ms. Amrita Giri	Cat Champs 2.0	12 th February, 2014
5	Mr. Priyans Muraka Mr. Sachin Joglekar Mr. Kratarth Goel	Discover your interests	10 th April, 2014
6	Mr. Karun Philip	How to start a Tech Business?	12 th of April, 2014
7	Mr. Arpit Sharma	How To Get Into A B – School?	19 th August, 2014
8	Mr. Prabhav Joshi & Mr. Deepak Pareek	From Pilani To Mussoorie	25 th August, 2014
9	Ms. Preeti Monga	Failure Is The Only Route To Success	5 th September, 2014
10	Mr. Balasubramanian Muthukumar	Career Prospects For Mechanical Engineering Students	22 nd September, 2014
11	Mr. Ravikanth Konteti	All You Wanted To Know About Investment Banking	26 th September, 2014
12	Ms. Apoorvaa Deshpande & Mr. Adwait Gandhe	BITS2MSPHD: The Application Talk	30 th September, 2014
13	Mr. Phanindra Sama	Startup Story Of Redbus & Challenges Of Indian Startups	16 th October, 2014
14	Mr. Vinodh Balasubramaniam & Mr. Vijay Jayaraman	Data Mining And Analytics	16 th October, 2014
15	Mrs. Anupama T V	BITS2IAS: Civil Services As An Alternative Career Option	7 th November, 2014

Website Design and Development Competition:

A Design and Develop competition was organized for our website to revamp the existing website and improve its current functionality. The design sent by a team consisting of Amit Gaiki, Rahul Bhola and Tanmay Deshmukh was selected and the process of implementing the designs for the website is going on.

Prof. Suresh Ramaswamy Memorial Award 2014:

The project idea 'Mudra- A Braille Dicta Teacher' done by the students: Sanskriti Dawle, Aman Karan Srivastava, Shaikh Saif Ali was selected for Prof. Suresh Ramaswamy Memorial Award 2014-15.

Research Scholarship:

One of our alumni Mr. Satish Sankaralingam initiated a research scholarship for BE students and an amount of Rs. 15,000/- was awarded to Gurdeep Singh, Shubham Mishra, Sachin Joglekar and Kartikeya Bharadwaj as recognition to their research work.

Regular Activities:

Other regular activities like bi-annual Director's Tea Party, batch snap sessions, Alumni Affairs Division registrations, souvenir distributions, bringing out the yearbook 'Melange' for out-going students, hosting visiting alumni on campus, etc.

RESEARCH PROJECT GRANTS

Pilani Campus:

SI No	Title of Project	PI/ Co-PI	Funding Agency	Amount in Lakhs
1.	GIS based Characterization of Ground water in Shekhawati Region of Rajasthan	AnupamSinghal	DST	18.00
2.	Synthesis, Characterization and applications of Novel Ionic Liquid supported Metal Complexes	Bharti Khungar	UGC	13.40
3.	Impact of PMGSY Roads on Accessibility in Rural Areas	Dr A K Sarkar	NRRDA	22.63
4.	Synthesis, Metallochemistry and Reactivities of D-Glucose derived Glycoconjugates	Dr Ajay Kumar Sah	UGC	9.13
5.	Esculetin a Therapeutic Intervention Targeted at Cardio-Renal Syndrome in Type-2 Diabetes	Dr Anil Bhanudas	DST	39.66
6.	Understanding the epigenetic regulation in modulating inflammatory response mediated by NF-kb through AT1 and AT2 receptor in type II diabetic nephropathy	Dr Anil Bhanudas	DST	19.41
7.	Exploration of novel ionic liquid-supported sulfonyl reagents for organic synthesis	Dr Anil kumar	CSIR	12.76
8.	Effect of partial replacement of cement with marble slurry on concrete	Dr Anshuman	DST	28.38
9.	TIDE	Dr Anu Gupta	DIT	155.00
10.	Modeling of cardio vascular flows and influence of magnetic field on circulation	Dr Ashish Tiwari	DST	11.63
11.	Study of structure and decay of super heavy nuclei	Dr Champak Das	DST	12.60
12.	Steady state measurements of fluorescent in restricted environments	Dr D D Pant	UGC	11.63
13.	Design, Synthesis And Biological Evaluation of Indole-based Heterocycles as Anticancer Agents	Dr Dalip Kumar	UGC	6.57
14.	Synthesis of Novel NOS Containing Heterocycles and evaluation of their anticancer activities	Dr Dalip Kumar	DBT	18.80
15.	Development of Listening and speaking modules of English languages through multimedia lab for rural students of class XI-XII	Dr Devika	UGC	4.09
16.	Investigation of the effect of carbonation on the properties of concrete	Dr Dipendu Bhunia	DST	34.00
17.	Design and Synthesis of Heavy metal based aggregation induced emission active complexes and their application in Bio-imaging	Dr Inamur Rehman lashkar	DST	34.90
18.	Synthesis of Platinum (II) based pure blue emitting triplet harvesting materials and their applications in white organic light emitting diodes as single emissive dopants	Dr Inamur Rehman lashkar	CSIR	19.24
19.	Organo catalysis as green approach for synthesis of pyrrolidine/fused pyrrolidines: towards the synthesis of related alkaloids	Dr Indresh kumar	DST	21.90
20.	Molecular studies on extracellular biosynthesis of metal nanoparticles	Dr Jitendra Panwar	DST	45.50
21.	A Normative Analysis of Selflessness as the Inner Perspectives of Good Life	Dr Kumar Neeraj Sachdeva	ICPR	2.00
22.	Investigations on quark-gluon plasma through quarkonia suppression in QCD matter	Dr Madhukar Mishra	DST	11.40
23.	Bio Mem Device for separation of bioparticles	Dr N N Sharma	DBT	20.25
24.	Thermodynamic studies on force induced transitions in DNA molecule in crowded environment	Dr Navin Singh	DST	18.65

25.	A New Distributed Computing Framework for Data Mining	Dr Navneet Goel	DIT	95.00
26.	Study of the indus valley scripts through linguistic and Markov Chanin Methods	Dr Niladri Sarkar	INSA	1.75
27.	Phytochemical and metabolic characterization of Prosopsis cineratia pods(Sangri) as potential nutraceuticals	Dr Pankaj Sharma	DST	21.30
28.	Transition Metal-Catalysed coupling/reductive coupling of saturated alkyl halide with electron withdrawn alkenes	Dr Paritosh Shukla	UGC	11.95
29.	Endophytic bacteria mediated phytoremediation of organic pollutants	Dr Parmeela	DST	25.10
30.	Transforming language learning with new technologies for enhancing employability of college students from rural background	Dr Pushpa lata	UGC	8.94
31.	Development and application of density functional reactivity theory based modeling techniques to understand the energetics of reactive and non-reactive interactions	Dr R.K.Roy	DST	31.50
32.	The role of Hippo signaling pathway components in autophagy regulation in hepatocellular carcinoma	Dr Rajdeep Chowdhury	DST	24.05
33.	Design of synthetically tunable azino-fused chromene conjugates as potential organogelators	Dr Rajeev Sakhuja	DST	24.70
34.	Novel α -Amino, α -Aminoxy and α -Hydrazino acids linked Bio-conjugates: Design, Synthesis and Biological Evaluation	Dr Rajeev Sakhuja	UGC(Start Up)	6.00
35.	Facility management using GIS and Genetic algorithm	Dr Rajiv Gupta	DST_NRDMS	19.99
36.	Startup grant	Dr Rajiv Taliyan	UGC	6.00
37.	Studies in Laboratory Scale oxygen fired fluidized bed based on co-firing rice husk with coal	Dr Ravi Inder Singh	DST	26.46
38.	Development and Usage of Innovative Ductile Composite Materials for Repair and Retrofitting of Concrete and Masonry Structures	Dr S B Singh	DST	23.50
39.	Design, synthesis and evaluation of novel tetrahydroisoquinoline analogs as anti-HIV agents	Dr S Murugesan	DST	24.75
40.	Studies on cell lines as model for predicting in vitro buccal permeation of various classes of drugs and its co-relation with in vivo data	Dr S Y Charde	DST	23.58
41.	Engineering baliospermum montanum hydroxynitrile lysase for potential synthetic and industrial applications	Dr Santosh Padhi	DST	25.00
42.	Startup grant	Dr Santosh Padhi	UGC	6.00
43.	Competition between charge transfer and proton transfer processes in some newly designed schiff bases: spectroscopic and theoretical investigations in condensed phase	Dr Shamik Chakrabarty	DST	24.98
44.	Characterization of major components of [Fe-S] cluster assembly pathway in plasmodium vivax	Dr Shilpi Garg	DST	23.00
45.	Removal of heavy metals from industrial wastewater using biofiltration	Dr Smita Raghuvanshi	UGC	5.50
46.	Removal of volatile organic compounds from waste streams using biofiltration	Dr Smita Raghuvanshi	DST	14.18
47.	Start-up-grant	Dr Sonal Mazumder	UGC	6.00
48.	A Mechanistic analysis of the role of pro-inflammatory cytokines in induction of epithelial to mesenchymal transition in hepatocellular carcinoma	Dr Sudeshna Mukherjee	DST	16.80
49.	Removal of Heavy metals from industrial wastewater using metallic nanoparticules as absorbents	Dr Suresh Gupta	DST	21.47
50.	Dark energy modeling of cosmic acceleration with observational constraint in Einstein gravity and	Dr Suresh Kumar	DST	14.16

	modified theories			
51.	Size-Dependent Hydrogenation Catalysis with Mono-(Pd and Pt) and Bimetallic (Pd@Pt) Nanoparticles in Quantum Dot Region	Dr Surojit Pande	UGC(Start Up)	6.00
52.	Synthesis and characterization of Metal Oxide Core-(Metal) shell nanoparticles in quantum dot region and their application in electrocatalysis	Dr Surojit Pande	DST	24.93
53.	The Study of post-reionization HI distribution using the redshifted signal and Ly forest towards understanding cosmic acceleration	Dr Tapomoy Guha sarkar	DST	10.38
54.	Characterization of surface errors in machining of thin-walled curved geometries	Dr Tufan Bera	DST	24.09
55.	Protein-ranking and novel intervention strategies against mycobacterium tuberculosis using graph theory and bioinformatics resources	Dr Veeky Baths	DST	8.60
56.	Study of awareness, uses and implications of web 2.0 for supplementing classroom teaching at graduate level	Dr Virendra Nirban	UGC	7.89
57.	An agent-based tool for prediction, analysis, reporting and dispensing of Climate data	Dr Yash Sharma	UGC	8.85
58.	Mining closure, economic disruption and local level sustainability: A case study of Goa, India	Dr. A K Mishra Dr. R. P. Pradhan Dr. Debashish Patnaik Dr. Kotha Mahendra	ICSSR	9.00
59.	Understanding Material Properties and Possible Forming Behavior (Using FEM) of titanium Grade-5 material at Elevated Temperatures	Dr. A.K.Gupta	DST	10.15
60.	Development and Validation of sustainability framework for manufacturing industries	Dr. Abhijeet Digalwar	UGC	3.22
61.	Hardware implementation of time frequency distribution of Mirnov oscillation in Tokamak using the Hilbert-Huang transform	Dr. Amalin Prince Prof. K.R.Anupama Mrs. Femi. R.	Board of research in fusion science and technology (BRFST)	22.58
62.	Towards metalloneurochemistry inside a niosome: a fluorescence spectroscopy approach	Dr. Amit Nag	DST	24.98
63.	Study of Laser interaction with atomic clusters and preformed plasma	Dr. Amol Hulkundar	DST	15.00
64.	Development of turn-on type chemodosimeter for selective recognition of sulfhydryl-containing amino acids and peptides in aqueous media	Dr. Amrita Chatterjee	DST-FT	19.87
65.	Role of environmental toxin in kidney related diseases in Canacona Taluk, Goa	Dr. Anasuya Ganguly	CSIR	11.99
66.	Tissue engineering of human placental stem cells into a functional pancreas	Dr. Anasuya Ganguly	DST	22.14
67.	Study the effect on nanoparticles on protein synthesis and expression of small GTPases	Dr. Angshuman Sarkar Dr. Meenal Kowshik	BRNS	21.13
68.	Effect of Esculetin on Angiotensin II in rat thoracic aorta under hyperglycaemic and hyperinsulinaemic conditions	Dr. Anil Bhanudas	UGC	13.43
69.	Spectroscopic investigation of the properties of low lying electronic states of some chemopreventive retinyl nitrones and comparison of their light-induced properties with retinyl iminium ions	Dr. Anjan Chatopadhyay Dr. Mainak Banerjee	CSIR	12.65
70.	Synthesis of modified TosMIC & BetMIC for use as key reagents in the synthesis of boronated heterocycles	Dr. Anupam Bhattacharya	CSIR	17.55
71.	Development of Copper Bio-Leaching methodology/ Technique from Low Grade Ore at Hindustan Copper Limited,	Dr. Anupam singhal Dr S K Verma	Ministry of mines	30.60
72.	Regulation of hypothalamic gonadotropin releasing	Dr. Arnab Banerjee	SERC, New	22.24

	hormone expression by putrescine in female rats		Delhi	
73.	Novel Schiff base macrocycle containing Se-Se bonds and their reduced analogues: synthesis, characterization, comparative coordination chemistry and theoretical studies	Dr. Arunashree Panda	DST (WOS)	21.96
74.	Chalcogen containing azomethine macrocycles and bicycles: synthesis, characterization, metal complexes and theoretical investigations of nature of intramolecular interactions between divalent chalcogen and nitrogen atoms	Dr. Arunashree Panda Dr. R. N. Behera	DST WOS	17.10
75.	Gheological Dynamic of poymer layered silicate/grapheme nano-composites	Dr. Asima Shaukat	DST- Inspire	35.00
76.	Aryogen Biopharma	Dr. Asma Ahmed	IRANIAN COMPANY	45.50
77.	Biofuels from lignocellulosic biomass waste: Biosolubilization and biomethanation of lignin	Dr. Asma Ahmed	DST-FT	24.10
78.	Development, Design and Engineering of 28-DOF Humanoid to avoid obstacles and handle specified objects in the environment	Dr. B.K. Rout	DIT	45.00
79.	CROSS CULTURAL COMMUNICATION – An empirical analysis of cross cultural communication variables in Indian industries leading towards developing appropriate strategies for multi-cultural workplaces and academia	Dr. Basavadatta Mitra	UGC	65.06
80.	Bianchi type cosmological models in modified theories of gravitation	Dr. Bivudutta Mishra	DST	11.09
81.	Study on cosmological models of the universe with wet dark fluid in alternative theories of Gravitation	Dr. Bivudutta Mishra	UGC	1.90
82.	Investigation of Schottky contacts to Silicon Carbide (SiC) using I-V and C-V techniques	Dr. C. K. Ramesha	UGC	10.78
83.	Searching for new physics in B-meson decay	Dr. Chandradew Sharma Dr. Rahul Sinha	BRNS	19.75
84.	Time-resolved Spectroscopy of Fluorescent Molecules in Micellar Systems	Dr. D.D. Pant	DST	53.00
85.	Development of a novel synthetic route for an anti-HIV drug	Dr. Dalip Kumar/Dr. Anil Kumar	Ranbaxy	11.50
86.	Application of Micro-Environment Property Desriptor to Study Free Energy Changes in Amyloidogenic Protein Aggregation	Dr. Debashree Bandyopadhyay	UGC-FS	5.40
87.	Improving the energy efficiency of solar cells by spin caloritronics	Dr. Ethirajulu S. Kannan	DST-FT	22.08
88.	Flow investigation through uED-milled metallic micro channels	Dr. G. Karthikeyan	DST-FT	21.21
89.	Design and Development of Digital Forensic Tools for Clouds IaaS	Dr. Geetha Kumari	DIT	54.96
90.	Alternative splicing in signal transduction and disease: A genome wide approach	Dr. Indrani Talukdar	DST-FT	20.00
91.	Fourier analysis and development of two-dimensional finite element schemes for shallow water equations and transport related systems	Dr. Jagdeesh Anmala	DST	11.00
92.	Process modeling , Design and Validation of Flotation Cell	Dr. Jeevan Jaidi	TENOVA	7.83
93.	Inverstigations on metal tolerance ability of soil fungi and their potential towards nanoparticle synthesis	Dr. Jitendra Panwar	UGC	15.05
94.	Development of drivers barriers and key performance indicators for implementation of green manufacturing in indian micro small and medium ceramic enterprises	Dr. K S Sangwan	UGC	9.91
95.	Localization of flexible polymer chains on chemically	Dr. K Sumithra	CSIR	9.40

	heterogeneous surfaces			
96.	Structure based rational design and synthesis of mycobacterium tuberculosis inhibitors	Dr. K V G Chandrasekhar	DST	22.00
97.	Wireless Sensor Network Design for inaccessible terrains	Dr. K. R. Anupama	UGC	5.38
98.	Design and development of condition based monitoring of pipelines using wireless sensor networks	Dr. K.R. Anupama Dr. Arun Kumar Jalan Dr. Lucy J Gudino Dr. K. N. Ponnani Dr. Sharad Srivastava Dr. Neena Goveas	GAIL	71.36
99.	Synthesis & Biological activity of various triazoles as effective antifungal agents	Dr. K.V.G. Chandrasekhar	DBT	13.72
100.	Strengthening of Local Soil Using Fly Ash	Dr. Kamlesh Kumar	UGC	2.00
101.	Study of native chemical ligation at tryptophan and aspergine sites and its application in peptide synthesis	Dr. Kiran Bajaj	DST	25.50
102.	Identification and characterization of abiotic stress responsive With No Lysine (WNL) kinase in rice (<i>Oryza sativa</i> L.)	Dr. Kundan Kumar	DST-FT	22.65
103.	An Empirical Study on impact of information and communication technology on productivity in small and medium textile enterprises in rajasthan	Dr. Leela Rani	UGC	6.51
104.	Understanding Impact of Social Learning Forms on Environmentally Sustainable Behavior in Children	Dr. Leela Rani	ICSSR	5.00
105.	Indian institute of Biotechnology pvt. Ltd	Dr. M B Srinivas	IIBT	3.20
106.	Analysis of metabolically active bacterial species in anaerobic digesters	Dr. M. Srikanth	CSIR	21.11
107.	Bio-Catalytic Production of a Commercial Textile Dye-Indigo	Dr. M. Srikanth	DSTE, Goa	5.11
108.	Biotransformation of Phosphogypsum by sulphate reducing bacteria	Dr. M. Srikanth	DBT	5.21
109.	Experimental Investigation on CO ₂ based refrigeration system in Trans-critical cycle	Dr. M.S.Dasgupta	DST	27.50
110.	Redox sensitive vesicles of Cucurbiturils as an efficient targeted intracellular drug delivery vehicle	Dr. Mainak Banerjee	DST-FT	24.15
111.	Development of technologies for isolation of natural products	Dr. Mainak Banerjee Dept. of Chemistry	Kurade Agro Cuncolim Goa	0.90
112.	Synthesis of metal-organic-porous material based efficient chiral heterogeneous catalysts by post synthetic modification and their applications in asymmetric reactions	Dr. Mainak Banerjee Dr. Rahul Banerjee (NCL, Pune)	CSIR	22.26
113.	Cloning and characterization of the promoters of <i>Staphylococcus aureus</i> temperate bacteriophage, ϕ 11	Dr. Malabika Biswas	BRNS	24.00
114.	Finding Aggregation-induced emission active materials : design, synthesis and photophysical studies of sterically hindered triarylethenes and Tetraarylethenes	Dr. Manab Chakravarthy	DST	38.38
115.	Variable Data Rate Digital Demodulator for 64QAM on virtex -5 FPGA	Dr. MB Srinivas	DRDO	9.90
116.	Biological Synthesis of metal sulfide and metallic nanoparticles using Halophilic Archaeobacteria.	Dr. Meenal Kowshik Co-PI Dr. Sutapa Roy R	ORMD,	17.14
117.	One among many? Examining the efficacy of mobile money in India,s remittance corridors	Dr. Mridula Goel	funded through University of California	4600\$
118.	Development of Nanostructured High Surface Area Alumina and Silica based adsorbent with Tailored Pore structure for Removal of Fluoride ions from	Dr. N N Ghosh	BRNS	29.07

	Ground Water			
119.	Development of electrostatic Nano-Solid Lubricant Coated Tools for Sustainable Machining	Dr. N Suresh Kumar Reddy	CSIR	18.52
120.	Novel Minimal-Solid Lubricant Mixture Application Method for Performance Improvement in Turning	Dr. N Suresh Kumar Reddy	DST	32.50
121.	Development and characterization of nanomaterials for biosensors and biocatalysis	Dr. N. N. Ghosh Prof. Sunil Bhand Dr. C. K. Mitra UK counterpart Prof. Paul Antony Milner, University of Leeds	UKIERI-DST	26.32
122.	Development of polymer-ferrite (and/or grapheme) nanocomposites having high thermal stability and microwave absorption property for Radar Absorbing Coating Application	Dr. N.N. Ghosh	DRDO	14.59
123.	Investigations on microstructures of hard-soft ferrite nanocomposites and influence of microstructures on their properties	Dr. N.N. Ghosh Dr. P. Parameswaran	UGC-DAE	2.63
124.	Preparation of Magnetically Separable, Mesoporous TiO ₂ Catalyst and Study of their Catalytic Properties	Dr. N.N. Ghosh Dr. Mainak Banerjee	CSIR	19.05
125.	Characterization of a mouse embryonic stem cell model to study the effects of increased levels of DNA methyltransferase 1 (DNMT1) on abnormal neurogenesis	Dr. Nagamohan	DST	40.38
126.	Transgenic Embryonic stem cell models for studying the role elevated levels of DNMT1 and DNMT3A in neuropsychiatric disorders	Dr. Nagamohan	DBT	24.10
127.	Magnetotactic bacteria: Bioresource of nanomagnets (Magnetosomes) Tissue engineering of human placental stem cells into a functional pancreas	Dr. Nimali N Prabhu	DST	25.00
128.	An Investigation on Derivatives of meso Tetrathienylporphyrin as dye sensitized Solar cells Protein-ranking and novel intervention strategies against mycobacterium tuberculosis using graph theory and bioinformatics resources	Dr. P. Bhavana	CSIR	17.11
129.	Design and synthesis of pharmacophoric hybrids as potential leads for the treatment of neuropathic pain	Dr. P. Yogeeswari	CSIR	20.28
130.	Development of new antiepileptic leads to suppress hippocampal leads to suppress hippocampal epileptic seizures	Dr. P. Yogeeswari	DST-Indo-Ukrain	7.74
131.	Development of Novel anti-inflammatory agents, Incozen Therapeutics Ltd., Hyderabad.	Dr. P. Yogeeswari	INCOZEN	21.00
132.	Extracting the fermentation with surfactants to enhance butanol production	Dr. Padip Babanrao Dhamole	DBT	29.17
133.	Probing New Physics at high energy colliders	Dr. Prasanta Das	CSIR	15.67
134.	Aspects of some astrophysical systems like supernovae and neutron stars in the light of new physics	Dr. Prasanta Das Dr. Tarun Jha Dr Chandradew Sharma	BRNS, DAE	20.78
135.	Magnetic properties of metallic nano particles	Dr. R N Panda	CSIR	19.16
136.	Synthesis and characterization of binary and ternary transition metal nitride	Dr. R. N. Panda	DST	18.95
137.	Study of effective interactions in charged colloidal suspensions	Dr. Raghunath Behera	CSIR	10.81
138.	Identifying microRNA signatures associated autophagy induced chemoresistance in hepatocellular carcinoma	Dr. Rajdeep Chowdhury	UGC Start up	6.00
139.	Magnetotransport in magnetic tunnel junctions	Dr. Ram Shankar	DST	52.65

		Patel		
		Dr. Ram Shankar Patel		
140.	Development of low temperature magnetization measurement set-up	Dr. Teny Theresa John Dr. Halan Prakash	CSIR	13.85
141.	Nano -Scale Characterisation of Human Hair Fibres by using Indentation technique	Dr. Ramesh Babu Adusumalli	DST FT	26.62
142.	Prediction of thermodynamic, thermophysical, transport, thermoacoustical and excess properties of binary, multicomponent liquid mixtures and ionic liquids (RTIL's)	Dr. Ranjan Dey	CSIR	10.13
143.	Preparation and characterization of thin films of electrochromic conducting polymer and fabrication of prototype smart pixel displays	Dr. S Sindhu	CSIR	14.10
144.	Development of efficient bioleaching process for the metal recovery from spent catalysts	Dr. S. S. Baral Dr. P. Venkateswara Rao	DBT	17.63
145.	Study of Structural Response and Strengths of Thin-Walled FRP Composite Girders	Dr. S.B. Singh	CSIR	14.32
146.	Designing, Synthesis and validation of a dehydration stress responsive promoter in plants	Dr. Sandhy Mehrotra	UGC	12.85
147.	Addressing challenges in application development for heterogenous computing platform for speedup and power efficiency	Dr. Santonu Sarkar	DST	37.56
148.	Gravitational waves from oscillations and instabilities in neutron stars	Dr. Sarmistha Banik	DST	14.76
149.	Exploring spiritual quotient and analyzing its impact on the research performance of university teachers in India	Dr. Shalini Upadhyay	ICSSR	6.58
150.	Analysis of hypothetical and putative proteins dual targeted to apicoplast and mitochondria in plasmodium vivax	Dr. Shilpi Garg	UGC Start up	6.00
151.	Neuro-pharmacological investigation of novel Quinoxaline Carboxamides: Novel Serotonergic Modulators for their Anti-depressant and Anxiolytic Activity	Dr. Shvetank bhatt	UGC	2.00
152.	Photocatalytic Nox abatement: From mechanism and material peoperties to catalytic performance	Dr. Sounak Roy	DST FT	24.48
153.	AC Impedance Measurement on Two-Dimensional DNA organi structures of various shapes	Dr. Souri Banerjee	CSIR	22.26
154.	Design of Supplier Development Implementation Framework for Indian Manufacturing Industries	Dr. Srikanta Routroy	UGC	9.41
155.	Development of β,β' -edge fused π -elongated donor-acceptor porphyrin possessing Near-IR optical spectra	Dr. Subhadeep Banerjee	DST-FT	22.60
156.	Application of Enriched Microbial Biofilter for Metal Detoxification in Industrial Wastewater	Dr. Subhajt mazumdar	UGC	2.00
157.	Physicochemical characterization of the primary sigma factor of Vibrio cholera	Dr. Sumit Biswas	DBT	23.78 (BITS Share)
158.	Structure elucidation of VC0395_300 protein from Vibrio cholera (leading to an alternate method of checking Cholerae epidemics)	Dr. Sumit Biswas	BRNS, DAE	24.30
159.	Studies on Putative GGEEF/Sensory Box Domain Protein of Vibrio Cholerae	Dr. Sumit Biswas	DST	21.80
160.	Detection and mitigation of dairy pathogens and detection of adulterants using chemical biology	Dr. Sunil Bhand	ICAR Under NAIP	91.35 (BITS share)
161.	Development of biosensors and micro-techniques for analysis of pesticide residues, aflatoxin, heavy metals and bacterial contamination in milk.	Dr. Sunil Bhand	ICAR (Under NAIP)	444.47989 (BITS Share)

162.	Cinematics Arts : A Critical study of Interdisciplinary aspects with special reference to Literature, Audio Visual and Performance	Dr. Sushila Shekhawat	UGC	5.54
163.	Cell Penetrating Peptide Octa-Arginine anchored, Multifunctional poly(amidoamine)Dendrimer to Promote delivery of chemotherapeutics in cancer	Dr. Swati Biswas	DBT	37.04
164.	D - α -Tocopherol conjugated co-polymer based micelles for improved delivery of chemotherapeutics with reversal of multiple drug resistance	Dr. Swati Biswas	DST	22.40
165.	Nonadiabatic molecular processes on threefold electronic degeneracies	Dr. Tanmoy Mondal	DST- Inspire	35.00
166.	Studies in neighborhood magic graphs	Dr. Tarkeswar Singh	DST	12.69
167.	Neutron stars as a source of potential continuous gravitational wave emitter	Dr. Tarun Kumar Jha Dr. S. K. Sahay	BRNS	17.00
168.	Photoluminescence Studies on Undoped and Doped ZnO Nanoparticles	Dr. Teny Theresa John	DST-FT	22.34
169.	Recovery of Multiple Metals ions from Industrial Wastewater using Adsorption	Dr. Utkarsh Maheshwari	UGC	2.00
170.	Biochemical and genetic characterization of antimicrobial (Candidacidal) peptides produced by the anatarctic strain Enterococcus faecalis APR 210	Dr. Utpal Roy Dr. Angshuman Sarkar Dr. Sumit Biswas	UGC	7.34
171.	Development of magnetoimpedance sensor for biocells detection	Dr. V Satyanarayana Murthy	DST	22.68
172.	Non -Invasive Delivery of siRNA to treat Melanoma	Dr. Vamsi Krishna Venuganti	DBT-RGYI	22.85
173.	Transcutaneous delivery of macromolecules using layer-by-layer assembly to treat skin conditions	Dr. Vamsi Krishna Venuganti	DST	23.00
174.	Transcutaneous delivery of liposomesirna complex to treat skin cancer	Dr. Vamsi Krishna Venuganti	DST	29.26
175.	A new novel biodegradable polymer scaffold for cartilage tissue engineering	Dr. Vijayashree Nayak	BRNS, DAE	23.35
176.	Study on EMT regulation through TGF β /SMADs in gall bladder disease	Dr. Vijayashree Nayak Coinvestigator Dr. Utpal Roy Dr. Rajani Gaiind VMMC & Safdarjung Hospital, Delhi	SERB	37.90
177.	Characterization of Isoprenoid biosynthetic pathway enzymes from Plasmodium vivax	Dr. Vishal Saxena	Ugc	7.88
178.	Generalized Convexity, Hermite-Hadamard Inequality on Riemannian Manifolds and their Applications	Dr.Akhlad Iqbal	UGC	6.00
179.	Automated Detection of security and privacy threats in peer to peer networks	Dr.Chittaranjan Hota	DIT	61.95
180.	Study of Decoherence and Entanglement in Non Linear Systems and their Application	Dr.K V S Shivchaitanya	DST-FT	14.16
181.	Investigation of magneto-optical effects in composite magneto plasmonic nanostructures for sensing application	Dr.Kannan Ramaswamy	DST	32.70
182.	Crystal Engineering of Metal-Organic Frameworks using Organic Linkers Derived from Template-Controlled Solid-State Reactions	Dr.Madhushree Sarkar	DST	23.40
183.	Development of a cost - effective membrane and DNA chip-based methods for detection of mutations associated with Multiple Drug Resistant-Tuberculosis	Dr.Nagamohan	DST	69.16
184.	Drug discovery of inhibitors of the Protease of Peripheral Macrophages and Microglial cells in	Dr.P.Yogeeswari	DST	39.78

	spinal cord for the treatment of neuropathic pain			
185.	Novel Molecular Mechanism Involving Adenosine and Adenosine Receptors in Acceleration of Alcohol Induced Hepatic Fibrosis	Dr.Palash Mandal	CSIR	24.07
186.	Role of adipose in ethanol-induced tissue injury	Dr.Palash Mandal	DST	25.00
187.	An Extensive Computational Development of Multi-reference Coupled-cluster Methods for Electronic Structure Investigations of Big Molecules	Dr.PrashantU. Manohar	DST	22.40
188.	Design, Characterization and Pharmacokinetic Evaluation of Nanocarriers for Antiretroviral Drug Delivery in the Effective Treatment of HIV/AIDS	Dr.Punna Rao	DST	23.10
189.	On the formation of Dwarf Elliptical Galaxies	Dr.Rahul Nigam	UGC-FS	5.40
190.	Photocurable organic-inorganic hybrid precursors for the fabrication of metal oxide micro/nanostructures	Dr.Ramakrishan Ganesan	DST	25.98
191.	Consequences of cellular crowding in structure stability and folding of a TIM barrel protein	Dr.Ramakrishna Vadrevu	DST	3.74
192.	Experimental investigations of Rotational moulding process using nano scale e fumed silica composites	Dr.Sachin D Waigaonkar	DST-FT	15.84
193.	Rotational moulding of LLDPE using nanoscale fumed silica composites	Dr.Sachin Waigaonkar	UGC Start up grant	6.00
194.	Investigation of Natural Coumarinolignans and Their Newer Synthetic Analogs as Cyclooxygenase (COX-2) and Tumor necrosis factor (TNF-a) inhibitory agents in Rheumatoid Arthritis	Dr.Sajeli Begum	CSIR	21.02
195.	Novel Biomarker responses to validate acute toxicity of engineered nanoparticles and their physicochemical interactions in earthworm as a model bioindicator of nano (eco) toxicology.	Dr.Sankar Ganesh	DBT	14.08
196.	Delineating the impact growth promoting rhizobacteria on plant polyamine metabolism: novel insights in to plant –PGPR interactions	Dr.Sridev Mohapatra	DST	25.00
197.	Development of Synthetic Resin Product	Dr.Srikanta Dinda	DST FT	22.00
198.	Ultracold chemistry in the early universe	Dr.Subhas Ghosal	DST	21.60
199.	Characterization of immune signaling pathway in <i>Anopheles</i> mosquitoes	Lalita Gupta	DST	21.20
200.	Studies on design and characterization of multi-unit controlled release dosage formulation of Milnacipran Hydrochloride, in vitro release mechanism and in vivo pharmacokinetic parameters in animals	Mr. Gautam Singhvi	UGC	1.40
201.	Microbial Diversity and Biotechnological Potentials of selected polar microorganisms	Mrs. Purnima Singh Mentor: Dr. Utpal Roy	DST- WOS	17.65
202.	Dynamics of Biological Species: Some Mathematical Models	Ms Atasi Patra	DST	10.86
203.	Molecular characterization of ACC (1-aminocyclopropane-1-carboxylate) deaminase activity of associative bacteria isolated from plants of desert of Rajasthan	PrabhatNathJha	DBT	41.35
204.	Evaluation and enhancement of foam stability of eathonol based aqueous foam using commercial surfactant sodium lauryl sulfate	Pradipta Chattopadhyaya	DST	25.00
205.	production of hydrogen rich fuel gas from <i>Jatropha</i> residue cake	Pratik Seth	DST	24.90
206.	Experimental wear analysis of an artificial hip implant materials using an advanced tribometer customized for bio-tribological studies	Prof. D. M. Kulkarni Mr. A. C. Kukarni Dr. Hemant Kumar Mrs. Jyotsna Kulkarni	DST	22.00
207.	Strategies against antibiotic resistance in Mycobacterium tuberculosis and Pseudomonas aeruginosa : new drugs for old targets and old drugs for new targets	Prof. D.Sriram	DBT	61.92
208.	Information Technology Research Academy	Prof. K .S.Raju	ITRA	19.06

209.	Multicriterion Analysis for ranking of Various General circulation models to study water Resources of India	Prof. K .S.Raju	CSIR	16.22
210.	Seawater desalination using liquefied natural gas (LNG) refrigeration	Prof. K. Srinivas Coinvestigator: Prof. K. Ponnani	GAIL	382.21
211.	High-efficiency energy conversion in stream boilers using unmixed combustion	Prof. K. Srinivas Prof. K. Ponnani	DST	31.05
212.	Pilot scale study of carbon dioxide sequestration using algae at the site	Prof. M.Srikanth Dept. of Biological Sciences	ONGC Hazira Gujarat	1.00
213.	To Establish COD (Cr) Quality testing method for sea water	Prof. M.Srikanth Dept. of Biological Sciences	Hitachi India Pvt. Ltd	2.50
214.	Chemically modified polymeric adsorbents for the removal and recovery of precious metal palladium from industrial wastes	Prof. N. Rajesh	UGC	4.70
215.	Development of suitably customized polymers and clay based adsorbents for the effective removal of chromium from e-waste	Prof. N. Rajesh	DST	42.82
216.	Laboratory investigation ad field application towards the effective defluoridation of water using appropriately tailored sorbents	Prof. N. Rajesh	DST-WTI	26.67
217.	Establishment of National MEMS Design Center	Prof. N.N. Sharma	NPMASS	16.70
218.	Development of Novel Compounds for the Treatment of Neural Complications of Diabetes	Prof. P. Yogeeswari	DST-Indo-Portugal	6.04
219.	Enzymes from Purine and Pyrimidine Biosynthetic pathway as targets for the development of Mycobacterium tuberculosis drugs	Prof. P. Yogeeswari	DBT-Indo-Brazil	48.23
220.	Structured-based Design of Orphan nuclear Receptor Modulators to treat Diabetes and its complications by targeting RORalpha and Rev-erbalpha	Prof. P. Yogeeswari	ICMR Indo-France	21.62
221.	Experimental and Simulation studies on Coke Mitigation in Petroleum Refinery	Prof. Srinivas Krishnaswamy Dept. of Chemical Eng	CHT	13.30
222.	Studies on two phase nozzles (nozzle system) and assistance in the generic design of novel SBR using two phase nozzles	Prof. Srinivas Krishnaswamy Dept. of Chemical Eng	R.D.Aga reserch , technology and innovation center Thermax ltd, pune	6.00
223.	Experimental and simulation studies on coke mitigation in petroleum refinery systems	Prof. Srinivas Krishnaswami Coinvestigator: Prof Ponnani	Centre for High Technology (CHT)	132.97
224.	Imprinted polymer for sensing and removal of selected antibiotic and pesticide residue	Prof. Sunil Bhand Dr. Y S Rajput, NDRI, Karnal Prof. Sudhir Chandra, IIT, Delhi	NFBSFARA, ICAR	60.61 (BITS share)
225.	Adenovirus-delivered RNAi as an antiviral strategy against dengue	Prof. Swaminathan	DBT	59.68
226.	Development and analysis of novel inhibitors against M. tuberculosis GImU.	Prof.D.Sriram	CSIR-OSDD	39.57
227.	STRUCTURE BASED RATIONAL DESIGN AND SYNTHESIS OF INHIBITORS FOR VARIOUS ENZYMES OF HIV	Prof.D.Sriram	DBT-ICMR	56.17
228.	Structure-guided Design of New Antibacterial Agents against Dormant Mycobacterium	Prof.D.Sriram	DBT	59.67

	Tuberculosis				
229.	Development of an indigenous chip for testing antibiotic sensitivity of pathogens found in human urinary tract	Prof.Suman Kapur	NPMASS-DRDO	82.52	
230.	Development of Indigenous POC device micro channel / fluidic device for estimation of lipid profile in human plasma / serum	Prof.Suman Kapur	NPMASS-Lipid	46.67	
231.	Indian institute of Biotechnology pvt. Ltd	Prof.Suman Kapur	IIBT	6.10	
232.	Exploring nertoprotective effect and molecular mechanisms of remote limb ischemic post-conditioning against brain stroke	Rajeev Taliyan	DST	25.00	
233.	Aakash Ganga – A Social Enterprise Model for RWH and Agriculture of low water demanding economically important plant	Rajiv Gupta	DST	61.96	
234.	Enhancing phytochemical production by the use of elicitors	Sachi singh	DST	21.80	
235.	Analyzing structural and functional evolutionary links between RubisCO and carbon concentration mechanism proteins	Sandhya Mehrotra	DST	23.96	
236.	Mobilization of Metals from Copper Mine Tailings of Khetri Copper Mine, Rajasthan and their Attenuation by Soil: Groundwater Pollution Implications	SanghamitraKundu	DST	11.27	
237.	Molecular characterization of <i>Anopheles stephensi</i> gut epithelial peroxidases and their role in modulating immunity against bacterial and fungal antigens	Sanjeev Kumar	DST	47.18	
238.	Design and Development of opinion mining framework	Yash Sharma	DST	13.26	

KK Birla Goa Campus:

Ongoing Sponsored Research Projects

S.No.	Title of the project	Name of Principal Investigator/ Co-investigator	Funding Agency	Sanctioned amount of the project (Rs)	Duration
1.	Structure elucidation of VC0395_300 protein from <i>Vibrio cholera</i> (leading to an alternate methodolerae epidemics)	Dr. Sumit Biswas 2010/37B/51/BRNS	BRNS, DAE	[24,30,050]	3 years
2.	A new novel biodegradable polymer scaffold for cartilage tissue engineering	Dr. Vijayashree Nayak 2011/37B/04/BRNS	BRNS, DAE	[23,34,700]	3 years
3.	Aspects of some astrophysical systems like supernovae and neutron tars in the light of new physics	Dr. Prasanta Das 2011/37P/08/BRNS	BRNS, DAE	[20,77,700]	3 years
4.	Study the effect on nanoparticles on protein synthesis and expression of small GTPases	Dr. Angshuman Sarkar 2011/37B/25/BRNS	BRNS	[21,13,400]	3 years
5.	Physicochemical characterization of the primary sigma factor of <i>Vibrio cholera</i>	Dr. Sumit Biswas BT/210/NE/TBP/2011	DBT (under Twinning Program for the NE)	[7,97,000]	3 years
6.	Study of effective interactions in charged colloidal suspensions	Dr. Raghunath Behera 01(2513)/11/EMR-II	CSIR	[12,00,000]	3 years
7.	Photoluminescence Studies on Undoped and Transition Metal Doped ZnO Nanoparticles	Dr. Teny Theresa John	DST-FT	[23,34,000]	3 Years
8.	Studies on Putative	Dr. Sumit Biswas	DST	[21,80,000]	3 years

S.No.	Title of the project	Name of Principal Investigator/ Co-investigator	Funding Agency	Sanctioned amount of the project (Rs)	Duration
	GGEFF/Sensory Box Domain Protein of Vibrio Cholerae	SR/FT/LS-122/2010			
9.	Magnetotactic bacteria: Bioresource of nanomagnets (Magnetosomes)	Dr. Nimali N Prabhu SR/FT/LS-120/2011	DST	[25,00,000]	3 years
10.	Tissue engineering of human placental stem cells into a functional pancreas	Dr. Anasuya Ganguly SR/FT/LS-137/2011	DST	[22,14,000]	3 years
11.	Magnetotransport in magnetic tunnel junctions	Dr. Ram Shankar Patel SR/NM/NS-1002/2010(G) Dr. K.R. Anupama	DST	[52,65,000]	3 years
12.	Design and development of condition based monitoring of pipelines using wireless sensor networks	Dr. Arun Kumar Jalan Dr. Lucy J Gudino Dr. K. N. Ponnani Dr. Sharad Srivastava Dr. Neena Goveas	GAIL	[71,36,000]	2 years
13.	Seawater desalination using liquefied natural gas (LNG) refrigeration	GAIL/NOIDA/R&D/BITS /WSN/2012/01 Prof. K. Srinivas GAIL/NOIDA/R&D/BITS -GOA-LNG/2012/01	GAIL	[3,82,21,000]	3 years
14.	Prediction of thermodynamic, thermophysical, transport, thermoacustical and excess properties of binary, multicomponent liquid mixtures and ionic liquids (RTIL's)	Dr. Ranjan Dey 01(2682)/12/EMR-II	CSIR	[10,12,830]	3 years
15.	High-efficiency energy conversion in Steam boilers using unmixed combustion	Prof. K. Srinivas SR/S3/CE/031/2011 Prof. D. M. Kulkarni	DST	[31,05,000]	3 years
16.	Experimental wear analysis of an artificial hip implant materials using an advanced tribometer customized for bio-tribological studies	Mr. A. C. Kukarni Dr. Hemant Kumar Mrs. Jyotsna Kulkarni SR/S3/MERC/0077/2011 Dr. P. Bhavana	DST	[22,00,000]	2 years
17.	An Investigation on Derivatives of meso Tetrathienylporphyrin as dye sensitized Solar cells	02(0076)/12/EMR-II	CSIR	[17,11,080]	3 years
18.	Protein-ranking and novel Intervention strategies against mycobacterium tuberculosis using graph theory and bioinformatics resources	Dr Veeky Baths Dr. Utpal Roy SR/FT/LS-83/2012	DST-FT	[8,60,000]	3 years
19.	Experimental investigations of rotational moulding process using nano-scale fumed silica composites	Dr.Sachin D Waigaonkar SR/FTP/ETA-61/2012	DST-FT	[15,84,000]	3 years
20.	Spectroscopic investigation of the properties of low lying electronic states of some chemopreventive retinyl nitrones and comparison of their light-induced properties	Dr. Anjan Chatopadhyay Dr. Mainak Banerjee 01(2681)/12/EMR-II	CSIR	[12,64,830]	3 years

S.No.	Title of the project	Name of Principal Investigator/ Co-investigator	Funding Agency	Sanctioned amount of the project (Rs)	Duration
21.	with retinyl iminium ions Synthesis of metal-organic-porous material based efficient chiral heterogenous catalysts by post synthetic modification and their applications in asymmetric reactions	Dr. Mainak Banerjee 02(0075)/12/EMR-II	CSIR	[22,25,580]	3 years
22.	Analysis of metabolically active bacterial species in anaerobic digesters	Dr. M. Srikanth 37(1555)/12/EMR-II	CSIR	[21,10,800]	3 years
23.	Probing New Physics at high energy colliders	Dr. Prasanta Das 03(1244)/12/EMR-II	CSIR	[15,66,800]	3 years
24.	Rotational moulding of LLDPE using nanoscale fumed silica composites	Dr.Sachin Waigaonkar F.20-3(21)/2012(BSR)	UGC Start up grant for newly recruited faculty	[6,00,000]	3 years
25.	Cloning and characterization of the promoters of Staphylococys. aureus temperate bacteriophage,φ11	Dr. Malabika Biswas 2013/37B19/BRNS	BRNS	[23,99,719]	3 years
26.	Studies in neighborhood magic graphs	Dr. Tarkeswar Singh SR/S4/MS:734/11	DST (Major)	[12,69,360]	3 years
27.	Identification and characterization of abiotic stress responsive With No Lysine (WNL) kinase in rice (Oryza sativa L.)	Dr. Kundan Kumar SB/FT/LS-312/2012	DST-FT	[22,65,000]	3 years
28.	Neutron stars as a source of potential continuous gravitational wave emitter	Dr. Tarun Kumar Jha Dr. S. K. Sahay 2013/37P/5/BRNS	BRNS	[17,00,000]	3 years
29.	Role of environmental toxin in kidney related diseases in Canacona Taluk, Goa	Dr. Anasuya Ganguly Dr. M. Srikanth 27(0284)/13/EMR-II	CSIR	[11,99,400]	3 years
30.	Alternative splicing in signal transduction and disease: A genome wide approach	Dr. Indrani Talukdar SB/YS/LS-60/2013 Dr. N. N. Ghosh INT/DST/INT/UK/P-41/2012	DST-FT	[20,00,000]	3 years
31.	Development and characterization of nanomaterials for biosensors and biocatalysis	Prof. Sunil Bhand Dr. C. K. Mitra UK counterpart Prof. Paul Antony Milner, University of Leeds Prof. Sunil Bhand	UKIERI-DST	[26,32,000]	2 years
32.	Imprinted polymer for sensing and removal of selected antibiotic and pesticide residue	NFBSFARA/PHT-4007/2013-14	NFBSFARA ICAR	[60,60,500] (BITS share out of total 139.68410)	2 years

S.No.	Title of the project	Name of Principal Investigator/ Co-investigator	Funding Agency	Sanctioned amount of the project (Rs)	Duration
		Dr. Y S Rajput, NDRI, Karnal Prof. Sudhir Chandra, IIT, Delhi Dr. Chandradew Sharma		lakhs consortium project)	
33.	Searching for new physics in B-meson decay	Principal collaborator: Dr. Rahul Sinha	BRNS	[19,74,500]	3 years
34.	Improving the energy efficiency of solar cells by spin caloritronics	2013/37P/34/BRNS Dr. Ethirajulu S. Kannan	DST-FT	[22,08,000]	3 years
35.	Biotransformation of Phosphogypsum by sulphate reducing bacteria	SR/FTP/PS-138/2012 Dr. M. Srikanth	Environmental Biotechnology Division (DBT)	[5,21,000]	1 years
36.	Development of efficient bioleaching process for the metal recovery from spent catalysts	Dr. S. S. Baral Dr. P. Venkateswara Rao	DBT	[17,62,600]	3 years
37.	Preparation of Magnetically Separable, Mesoporous TiO ₂ Catalyst and Study of their Catalytic Properties	Dr. N.N. Ghosh Coinvestigator: Dr. Mainak Banerjee	CSIR	[19,04,800]	3 years
38.	CROSS CULTURAL COMMUNICATION – An empirical analysis of cross cultural communication variables in Indian industries leading towards developing appropriate strategies for multi-cultural workplaces and academia	Dr. Basavadatta Mitra	UGC	[6,50,600]	3 years
39.	Development of β,β' -edge fused π -elongated donor-acceptor porphyrin possessing Near-IR optical spectra	Dr. Subhadeep Banerjee	DST-FT	[22,60,000]	3 years
40.	Flow investigation through uED-milled metallic micro channels	Dr. G. Karthikeyan	DST-FT	[21,21,000]	3 years
41.	Regulation of hypothalamic gonadotropin releasing hormone expression by putrescine in female rats	Dr. Arnab Banerjee	SERC, New Delhi	[22,24,000]	3 years
42.	Nonadiabatic molecular processes on threefold electronic degeneracies	Dr. Tanmoy Mondal DST/INSPIRE Faculty Award /2013	DST- Inspire	[35,00,000]	3 years
43.	Development of polymer-ferrite (and/or grapheme) nanocomposites having high thermal stability and microwave absorption property for Radar Absorbing Coating Application	Dr. N.N. Ghosh ERIP/ER/1305004/M/01/1523	DRDO	[14,59,000]	3 years

S.No.	Title of the project	Name of Principal Investigator/ Co-investigator	Funding Agency	Sanctioned amount of the project (Rs)	Duration
		Dr. A K Mishra			
44.	Mining closure, economic disruption and local level sustainability: A case study of Goa, India	Co Directors: Dr. R. P. Pradhan Dr. Debashish Patnaik Dr. Kotha Mahendra 02/15/2014-15/RPR Dr. Vijayashree Nayak	ICSSR	[9,00,000]	2 years
45.	Study on EMT regulation through TGFβ/SMADs in gall bladder disease	Coinvestigator Dr. Utpal Roy Dr. Rajani Gaiind VMC & Safdarjung Hospital, Delhi	SERB	[37,90,000]	3 years
46.	Microbial Diversity and Biotechnological Potentials of selected polar microorganisms	SB/SO/BB-0103/2013 Mrs. Purnima Singh Mentor: Dr. Utpal Roy SR/WOS-A/LS-419/2013 Prof. Srinivas Krishnaswami	DST- WOS	[17,65,000]	3 years
47.	Experimental and simulation studies on coke mitigation in petroleum refinery systems	Coinvestigator: Prof Ponnani Dr. N.N. Ghosh	Centre for High Technology (CHT) UGC-DAE	[1,32,97,000]	3 years
48.	Investigations on microstructures of hard-soft ferrite nanocomposites and influence of microstructures on their properties	Coinvestigator: Dr. P. Parameswaran		[2,63,400]	1 years
49.	Gheolocial Dynamic of poymer layered silicate/graphene nano-composites	CSR/Acctts/2014-15/671 Dr. Asima Shaukat	DST- Inspire	[35,00,000]	5 years
50.	Chalcogen containing azomethine macrocycles and bicycles: synthesis, characterization, metal complexes and theoretical investigations of nature of intramolecular interactions between divalent chalcogen and nitrogen atoms	Dr. Arunashree Panda Coinvestigator: Dr. R. N. Behera	DST WOS	[17,10,000]	3 years
51.	Addressing challenges in application development for heterogenous computing platform for speedup and power efficiency	SR/WOS-A/CS-04/2014 (G) Dr. Santonu Sarkar			
51.		SB/S3/EECE/0170/2014 Dr. Dibakar Chackrabarty	DST	[37,55,775]	3 years
52.	Studies on anticoagulant platelet aggregation inhibitors from Indian cobra and viper venoms	Coinvestigator: Dr. Angshuman Sarkar Dr. Veeky Baths BT/PR5713/BRB/10/11 12/2012	DBT	[36,54,400]	3 years

S.No.	Title of the project	Name of Principal Investigator/ Co-investigator	Funding Agency	Sanctioned amount of the project (Rs)	Duration
53.	Purification and characterization of a promising antifungal peptide (with special reference to <i>Candida albicans</i> and <i>Cryptococcus neoformans</i>) produced by a Wild-type <i>Bacillus</i> sp. and cloning of its structural gene	Dr. Utpal Roy Coinvestigator: Prof. Dibakar Chakrabarthi SB/SO/HS/015/2013 Prof. Sunil Bhand Coinvestigator: Prof A P Koley Mr Gautam Bacher PCs: Dr. V K Suri Dr. R. Balasubramaniam Shivam Mishra Ashwin Rathod (ALL from Precision Engineering division, BARC, Mumbai)	DST	[10,00,000] Sanctioned	3 years
54.	Development of a field portable devise for the analysis of environmental contaminants in water	Dr. R. Balasubramaniam Shivam Mishra Ashwin Rathod (ALL from Precision Engineering division, BARC, Mumbai) 36(2)/14/25/2014- BRNS	BRNS	[24,98,010] Sanctioned	3 years
55.	Studies of the effects of quinacrine (QC) on regulation of Rho like small- GTPase and apoptosis in human lung and breast cancer cell lines cultured <i>in vitro</i>	Dr. Angshuman Sarkar Coinvestigator: Dr. Indrani Talukdar	DBT	Approved Proposed amount [23,97,388]	3 years
56.	Speech processing system to overcome distorted hearing in eldely sensorineural hearing impaired	Dr. Lucy Gudino Coinvestigator: Dr. K. R. Anupama	SEED, DST	Approved Proposed amount [61,08,640]	3 years
57.	Study and analysis of fluid dynamics and heat transfer characteristics in circulating fluidized bed heat exchanger with novel designs of distributor plates	Dr. Ranjit S Patil	SERB-fast track	Approved Proposed amount [17,65,000]	3 years

Ongoing Departmental Projects

Title of the Project	Name of the Department	Funding Agency	Sanctioned Amount (Rs)	Duration
Fund for improvement of S&T Infrastructure in Universities and Higher Educational Institutions (FIST)	Biological Sciences	DST	29,00,000	5 years
Fund for improvement of S&T Infrastructure in Higher Educational Institutions (FIST)	Physics	DST	49,25,000	5 years
Fund for improvement of S&T Infrastructure in Universities and Higher Educational Institutions (FIST)	Mechanical Engineering	DST	40,00,000	5 years
Fund for improvement of S&T Infrastructure in Higher Educational Institutions (FIST)	Chemistry	DST	38,50,000	5 years
Fund for improvement of S&T Infrastructure in Universities and Higher Educational Institutions (FIST)	EEE &IE	DST	18,00,000	5 years
Fund for improvement of S&T Infrastructure in	Mathematics	DST	18,75,000	5 years

Universities and Higher Educational Institutions
(FIST)

Fund for improvement of S&T Infrastructure in
Higher Educational Institutions (FIST)

Chemical
Engineering

DST

31,00,000

5 years

Hyderabad Campus:

S.No	Title of the Project	Principal Investigator	Funding Agency	Department	Sanctioned Amount	Duration
1	Strategies against antibiotic resistance in Mycobacterium tuberculosis and Pseudomonas aeruginosa : new drugs for old targets and old drugs for new targets	Prof. D. Sriram	DBT-Indo-swedon2	Pharmacy	6192000	3years
2	Study on cosmological models of the universe with wet dark fluid in alternative theories of Gravitation	Dr. Bivudutta Mishra	UGC	Mathematics	190000	2years
3	Structured-based Design of Orphan nuclear Receptor Modulators to treat Diabetes and its complications by targeting RORalpha and Rev-erbalpha	Prof. P. Yogeewari	ICMR Indo-France	Pharmacy	2161600	2years
4	Nano -Scale Characterisation of Human Hair Fibres by using Indentation technique	Dr. Ramesh BabuAdusumali	DST FT	Chemical Engineering	2662000	3years
5	PhotocatalyticNox abatement: From mechanism and material peoperties to catalytic performance	Dr. Sounak Roy	DST FT	Chemistry	2448000	3years
6	Biofuels from lignocellulosic biomass waste: Biosolubilization and biomethanation of lignin	Dr. Asma Ahmed	DST FT	Chemical Engineering	2410000	3years
7	Finding Aggtegation-induced emission active materials : design, synthesis and photophysical studies of sterically hindered triarylethenes and Tetraarylethenes	Dr. ManabChakravarty	DST	Chemistry	3838000	3years
8	Development of Novel Compounds for the Treatment of Neural Complications of Diabetes	Prof. P. Yogeewari	DST-Indo-Portugal	Pharmacy	604000	3years
9	Bianchi type cosmological models in modified theories of gravitation	Dr. Bivudutta Mishra	DST	Mathematics	1108800	3years
10	Towards metalloneurochemistry inside a niosome: a fluorescence spectroscopy approach	Dr. Amit Nag	DST	Chemistry	2498000	3years
11	Adenovirus-delivered RNAi as an antiviral strategy against dengue	Prof. Swaminathan	DBT	Biology	5967500	3years
12	Design and Development of Digital Forensic Tools for Clouds IaaS	Dr. GeethaKumari	DIT	Computer Science	5496000	3years
13	Enzymes from Purine and Pyrimidine Biosynthetic pathway as targets for the development of Mycobacterium tuberculosis drugs	Prof. P. Yogeewari	DBT-Indo-Brazil	Pharmacy	4822990	3years

S.No	Title of the Project	Principal Investigator	Funding Agency	Department	Sanctioned Amount	Duration
14	D - a-Tocopherol conjugated co-polymer based micelles for improved delivery of chemotherapeutics with reversal of multiple drug resistance	Dr. Swati Biswas	DST	Pharmacy	2240000	3years
15	Transgenic Embryonic stem cell models for studying the role elevated levels of DNMT1 and DNMT3A in neuropsychiatric disorders	Dr. K. Naga Mohan	DBT	Biology	2410000	3years
16	Characterization of mouse embryonic stem cell model to study the effects of increased levels of DNA methyltransferase 1 (DNMT1) on abnormal neurogenesis	Dr. K. Naga Mohan	DST	Biology	4038400	3years
17	Gravitational waves from oscillations and instabilities in neutron stars	Dr. Sarmisthabani k	DST	Physics	1476000	3years
18	Process modeling , Design and Validation of Flotation Cell	Dr. JeevanJaidi	Consultancy	Mechanical	783024	3months
19	Cell Penetrating Peptide Octa-Arginine anchored, multifunctional Poly(amidoamine) Dendrimer to Promote Delivery of Chemotherapeutics in Cancer	Dr. Swati Biswas	DBT	Pharmacy	3488640	3years

MEMBERS OF VARIOUS BODIES AND COMMITTEES OF THE INSTITUTE

(A) GENERAL BODY

Chancellor:

Dr. Kumar Mangalam Birla

Pro-Chancellor:

Smt. Shobhana Bhartia

Founding Member:

Shri B.K. Birla

Vice-Chancellor, BITS:

Prof. Bijendra Nath Jain

Members admitted by General Body:

1. Dr. S.S. Badrinath
2. Shri Sidharth Birla
3. Prof. Asis Datta
4. Shri K.C. Jain
5. Smt. Manjushree Khaitan
6. Shri Hemant Kumar
7. Prof. L.K. Maheshwari
8. Shri Arvind Singh

Four Alumni Term Members:

Vacant

Representative of MHRD, Govt. of India:

Shri V. S. Pandey

Representative of UGC:

Vacant

Representative of CSIR:

Dr. Chandra Shekhar

Representative of AICTE:

Dr. S.K. Chopra

Representative of FICCI:

Shri Ashish Dhawan

Non-Member Secretary:

Prof. M.M.S. Anand, Registrar

(B) BOARD OF GOVERNORS

Chancellor:

Dr. Kumar Mangalam Birla

Pro-Chancellor:

Smt. Shobhana Bhartia

Honorary Treasurer:

Vacant

Vice-Chancellor of BITS:

Prof. Bijendra Nath Jain

One Director of Campuses by rotation:

Prof. G. Raghurama

One Nominee of AICTE:

Nomination awaited

Three Nominees of the Government of India:

Nominations awaited

Four Nominees of the BET:

1. Shri B.K. Birla
2. Shri Sidharth Birla
3. Shri Hemant Kumar

Three Members Selected by the General Body:

1. Shri Rajiv Verma

Four Members coopted by the Board of Governors:

1. Smt. Manjushree Khaitan
2. Shri Kris Ramachandran

One Nominee of the Zuari Industries Limited:

Shri H.S. Bawa

Non-Member Secretary:

Prof. M.M.S. Anand, Registrar

(C) FINANCE COMMITTEE

Chancellor:

Dr. Kumar Mangalam Birla

Honorary Treasurer:

Vacant

One Person nominated by the Board:

Shri D. N. Patodia

One Person nominated by the BET:

Shri Hemant Kumar

Vice-Chancellor:

Prof. Bijendra Nath Jain

Registrar:

Prof. M.M.S. Anand, Member-Secretary

(D) BUILDING AND WORKS COMMITTEE

Chairman (Vice-Chancellor):

Prof. Bijendra Nath Jain

Members:

Director, Pilani Campus:

Prof. G. Raghurama

Director, Hyderabad Campus:

Prof. V.S. Rao

Director, K.K. Birla Goa Campus:

Prof. K.E. Raman (*Acting*)

Nominated members (2):

1. Dr. Anshuman
2. Prof. P.N.K. Rao

Member-Secretary:

Prof. M.M.S. Anand, Registrar

(E) PURCHASE COMMITTEE

Convenor:

Unit Chief, CPU:

Prof. N.V. Muralidhar Rao

Members:

Director:

Prof. G. Raghurama

Dean, Administration:

Prof. S.C. Sivasubramanian

Head, Accounts & Finance:

Shri Satyen Sharma

(F) FACULTY SELECTION COMMITTEES

1. **University Level Selection Committee:**

- Vice-Chancellor (or his nominee) – Chairman
- Two external experts in the concerned discipline
- Director of one of the 4 campuses – nominated by the Vice-Chancellor
- One of the Chairman of the Department Level short-listing committee from one of the campuses in the concerned department/discipline
- Dean of Faculty Affairs – Convenor
- Directors of the remaining BITS campuses (Special Invitees)

2. **University Level Short-listing Review Committee:**

- Vice-Chancellor (or his nominee) - Chairman
- Directors of Pilani, Goa, Hyderabad Campuses
- Dean of Faculty Affairs - Convenor
- Director, Dubai Campus (Special invitee)

3. **Campus Level Short-listing Review Committee (one for each campus in India)**

- Director of the campus
- 2 or more Professors – to be identified by the campus Director
- Professor In-Charge of Faculty Affairs of the campus

4. **Department Level Application Short-listing Committee (at least 3 members) (one for each campus and for each discipline)**

- Chairperson – to be nominated by the campus Director from amongst:
 - (a) the HODs, if he/she is a Professor, ELSE
 - (b) Any Professor from the Department, ELSE
 - (c) Any Professor from a related discipline, ELSE
 - (d) Any Professor from the campus
- All other Professors and Associate Professors from the Department,
- Additionally up to two Professors from the campus if the members above are fewer than 3 – to be nominated by the campus Director.

Note: The short-listing committee will seek the views of all faculty members in the department in its effort to short-list or not short-list a candidate by having them express their opinion at any time, but particularly during the audio-visual interaction with the candidate.

MEMBERS OF THE SENATE

Chairman (Vice-Chancellor):

Prof. Bijendra Nath Jain (Sr. PROF)

Vice-Chairman (Director, Pilani Campus):

Prof. G. Raghurama (Sr. PROF)

Secretary:

Prof. M.M.S. Anand (PROF)

Directors:

1. Prof. Ranendra N. Saha (Sr. PROF), Dubai Campus
2. Prof. K.E. Raman (Sr. PROF), *Acting*, K.K. Birla Goa Campus
3. Prof. V. S. Rao (Sr. PROF.), Hyderabad Campus
4. Prof. G. Sundar (Sr. PROF), Off-Campus Programmes & Industry Engagement, Hyderabad Campus
5. Prof. R.K. Mittal (Sr. PROF), Special Prjects, Pilani Campus

Deans:

University Wide:

Pilani Campus

1. Prof. S. Balasubramaniam (PROF)
2. Prof. S. Gurunaryanan (PROF)
3. Prof. R. Mahesh (PROF)
4. Prof. Ajit Pratap Singh (PROF)
5. Prof. Sanjay Kumar Verma (PROF)

K.K. Birla Goa Campus

1. Prof. Sunil Bhand (PROF)

Hyderabad Campus

1. Prof. Suman Kapur (Sr. PROF)
2. Prof. Niranjan Swain (PROF)

Campus Wide:

Pilani Campus

1. Prof. Arya Kumar (PROF)
2. Prof. Niti Nipun Sharma (PROF)
3. Prof. S.C. Sivasubramanian (PROF)

K.K. Birla Goa Campus

1. Prof. D.M. Kulkarni (ASOP)

Hyderabad Campus

1. Prof. M.B. Srinivas (PROF)

Dubai Campus

1. Prof. Priti Bajpai (PROF)
2. Prof. Ramadoss Roop Kumar (PROF)
3. Prof. B. Muralidharan (ASOP)
4. Prof. Thoppil George Thomas (PROF)

Associate Deans:

Pilani Campus

1. Prof. Hari Om Bansal (ASOP)
2. Prof. Anshuman Dalvi (ASOP)
3. Prof. Hemant Ramanlal Jadhav (ASOP)
4. Prof. Anil Kumar (ASOP)
5. Prof. Dalip Kumar (ASOP)
6. Prof. Sanjeev Kumar (ASOP)
7. Prof. Hitesh Datt Mathur (ASOP)
8. Prof. Bijay Kumar Rout (ASOP)
9. Prof. Srikanta Routroy (ASOP)
10. Prof. Kumar Neeraj Sachdev (ASOP)
11. Prof. P. Srinivasan (ASOP)
12. Shri K. Venkatasubramanian (ASTP)

Off-Campus Centre

1. Prof. S. Sindhu (ASOP), *Bangalore*
2. Prof. G. Venkiteswaran (ASOP), *Chennai*

K.K. Birla Goa Campus

1. Dr. Prasanta Kumar Das (ASTP)
2. Prof. Ranjan Dey (ASOP)
3. Prof. Neena Goveas (ASOP)
4. Dr. Lucy J. Gudino (ASTP)
5. Prof. Aditya Prasad Koley (PROF)
6. Prof. Sampatrao D. Manjare (ASOP)
7. Prof. Shrikanth Mutnuri (ASOP)
8. Dr. Raghunath Ratabole (ASOP)
9. Prof. Pravin M. Singru (ASOP)

Hyderabad Campus

1. Prof. Souri Banerjee (PROF)
2. Dr. K.V.G. Chandrasekhar (ASTP)
3. Dr. Sandip Shridharrao Deshmukh (ASTP)
4. Dr. P. Sankar Ganesh (ASTP)
5. Prof. Chittaranjan Hota (ASOP)
6. Prof. Vidya Rajesh (ASOP)
7. Prof. Srinivasa Prakash Regalla (PROF)
8. Prof. Morapakala Srinivas (ASOP)
9. Prof. P.K. Thiruvikraman (ASOP)
10. Prof. A. Vasani (ASOP)
11. Prof. P. Yogeewari (PROF)

Dubai Campus

1. Prof. Somasundaram Arumugam (ASOP)
2. Prof. R. Anand Kumar (ASOP)
3. Prof. K. Kumar (ASOP)
4. Prof. Neeru Sood (ASOP)

Professors (PROF):

Pilani Campus

1. Prof. Debashish Bandyopadhyay
2. Prof. Surekha Bhanot
3. Prof. V.K. Chaubey
4. Prof. Ashis Kumar Das
5. Prof. Mani Sankar Dasgupta
6. Prof. Balram Dubey
7. Prof. Navneet Goyal
8. Prof. Chandra Bhan Gupta
9. Prof. Rajiv Gupta (Sr. PROF)
10. Prof. Rajiv Kumar
11. Prof. Rashmi Ranjan Mishra
12. Prof. Janardan Prasad Misra
13. Prof. Rajendra Prasad Pareek
14. Prof. Bandi Venkata Prasad
15. Prof. Kodali Rambabu
16. Prof. N.V. Muralidhar Rao
17. Prof. Ram Kinkar Roy
18. Prof. Subit Kumar Saha
19. Prof. Ashoke Kumar Sarkar (Sr. PROF)
20. Prof. Shamsheer Bahadur Singh

K.K. Birla Goa Campus

1. Prof. Arun V. Kulkarni
2. Prof. Krishnaswamy N. Ponnani
3. Prof. Sutapa Roy Ramanan
4. Prof. Santonu Sarkar

Hyderabad Campus

1. Prof. N. Rajesh
2. Prof. Komaragiri Srinivasa Raju
3. Prof. Addepalli Ramu
4. Prof. P.N.K. Rao
5. Prof. D. Sriram
6. Prof. S. Swaminathan

Dubai Campus

1. Prof. S. Karthiyayini
2. Prof. C. Periasamy
3. Prof. Dawood Jalaluddin Shariff
4. Prof. S. Swaminathan
5. Prof. S. Vadivel

Associate Professors (ASOP):

Pilani Campus

1. Prof. Sanjiv Kumar Choudhary
2. Prof. Shibasish Chowdhury
3. Prof. P.R. Deepa
4. Prof. Arun Kumar Giri
5. Prof. Poonam Goyal
6. Prof. Lalita Gupta
7. Prof. Subhash Narayan Karbelkar

8. Prof. Pradipkumar Haribhau Keskar
9. Prof. Kusum Lata
10. Prof. Pushp Lata
11. Prof. Arun Maity
12. Prof. Sudeept Mohan
13. Prof. Jintendra Panwar
14. Prof. Mukesh Kumar Rohil
15. Prof. Kuldip Singh Sangwan
16. Prof. Sangeeta Sharma

Off-Campus Centre

1. Prof. Krishnamurthy Bindumadhavan,
Hyderabad
2. Prof. Koneru Gopal Krishna, *Hyderabad*
3. Prof. T. Venkateswara Rao, *Hyderabad*

K.K. Birla Goa Campus

1. Prof. K.R. Anupama
2. Prof. Dibakar Chakraborty
3. Prof. Narendra Nath Ghosh
4. Prof. Mridula Goel
5. Prof. Patincharath Nandakumar
6. Prof. Vijayashree Nayak
7. Prof. Bhavana P.
8. Prof. Jagarlamudi Venkateswara Rao
9. Prof. Utpal Roy

Hyderabad Campus

1. Prof. A. Michael Alphonse
2. Prof. Amit Kumar Gupta
3. Prof. Jeevan Jaidi
4. Prof. V.R. Vinayaka Rao
5. Prof. N. Suresh Kumar Reddy
6. Prof. K. Sumithra
7. Prof. Ramakrishna Vadrevu

Dubai Campus

1. Prof. Tapan Kumar Datta
2. Prof. Bharat Bhushan Gulyani
3. Prof. Vijaya Ilango
4. Prof. Kavita Sunil Jerath
5. Prof. A.M. Surendra Kumar
6. Prof. Sankaram M.
7. Prof. D.V. Prasad
8. Prof. Mary Lourde R.
9. Prof. Shah Jabeen Shazi
10. Prof. Krishna Kumar Singh
11. Prof. R. Udayakumar

Heads of Departments:

Pilani Campus

1. Prof. Geetha B (ASOP)
2. Prof. Rahul Banerjee (PROF)
3. Prof. Anil Kumar Bhat (PROF)

Heads of Departments:

Pilani Campus

1. Prof. Geetha B (ASOP)
2. Prof. Rahul Banerjee (PROF)
3. Prof. Anil Kumar Bhat (PROF)
4. Prof. Anu Gupta (ASOP)
5. Dr. Suresh Gupta (ASTP)
6. Prof. Manoj Kumar (ASOP)
7. Prof. Dilip Kumar Maiti (ASOP)
8. Dr. Rajesh Mehrotra (ASTP)
9. Dr. S. Murugesan (ASTP)
10. Prof. Debi Datt Pant (ASOP)
11. Dr. Arvind Sudarsan (ASTP)

K.K. Birla Goa Campus

1. Dr. Raghu Nath Behera (ASTP)
2. Dr. Shibu Clement (ASTP)
3. Prof. Gaurav Dar (ASOP)
4. Prof. Mukund Keshavrao Deshmukh (PROF)
5. Prof. Bharat M. Deshpande (ASOP)
6. Prof. Meenal Anil Kowshik (ASOP)
7. Prof. S. Krishnaswamy (ASOP)
8. Prof. Prasanna Kumar N. (ASOP)
9. Dr. Debasis Patnaik (ASTP)
10. Prof. Meenakshi Raman (PROF)

Hyderabad Campus

1. Dr. Jagdeesh Anmala (ASTP)
2. Dr. A. Ramesh Babu (ASTP)
3. Dr. Anupam Bhattacharya (ASTP)
4. Dr. Shrikant Yashwant Charde (ASTP)
5. Prof. Bivudutta Mishra (ASOP)
6. Dr. N.L. Bhanu Murthy (ASTP)
7. Dr. M.G. Prasuna (ASTP)
8. Dr. Aravinda N. Raghavan (ASTP)
9. Prof. Y.V. Daseswara Rao (ASOP)
10. Prof. Ramana Sonti (ASOP)
11. Prof. Y. Yoganandam (PROF)

Dubai Campus

1. Prof. Maneesha Bhagchandani (ASOP)
2. Prof. Adhir Baran Chattopadhyay (ASOP)
3. Dr. Trupti Swarup Gokhale (ASTP)
4. Prof. Ram Karthikeyan (ASOP)
5. Dr. B.G. Prakash Kumar (ASTP)
6. Prof. A. Srinivasa Rao (ASOP)
7. Prof. B. Vijayakumar (ASOP)

Coopted Members:

1. Dr. Anshuman (ASTP), *Pilani Campus*
2. Dr. Abdul Rajak A.R. (ASTP), *Dubai Campus*

3. Dr. Mallika Parveen C (ASTP), *Dubai Campus*
4. Dr. Phaneendra Kiran C (ASTP),
Hyderabad Campus
5. Dr. Lucy J. Gudino (ASTP),
K.K. Birla Goa Campus
6. Dr. Jyoti (ASTP), *Pilani Campus*
7. Dr. Angshuman Sarkar (ASTP),
K.K. Birla Goa Campus
8. Dr. Meenakshi Viswanathan (ASTP),
Hyderabad Campus

Librarians:

1. Shri Giridhar M. Kunkur, *Pilani Campus*
2. Shri K.N. Sheshadri, *Dubai Campus*

Workshop Superintendent:

Shri G.J. Desai, *K.K. Birla Goa Campus*

Chief Wardens:

1. Prof. Sai Jagan Mohan (ASOP), *Pilani Campus*
2. Dr. Ramesha C.K. (ASTP),
K.K. Birla Goa Campus
3. Kumar Pranav Narayan (ASTP), Dr.
Hyderabad Campus
4. Dr. N.K. Miller Jothi (ASTP), *Dubai Campus*

Admissions Officer:

1. Prof. Ajit Pratap Singh (PROF), *Pilani Campus*
2. Prof. Thoppil George Thomas (PROF),
Dubai Campus

Placement Officer:

Prof. Mani Sankar Dasgupta (PROF)

External Members:

1. Dr. Malini Balakrishnan, *New Delhi*
2. Dr. S. Ganguli, *Dehradun*
3. Dr. Rishi P. Jamdagni, *Bhiwani*
4. Dr. Chandra Shekhar, *Pilani*

Student Members:

1. Shri Kshitij Saxena, 2011B5A8620P
2. Shri Mohamed Atiyab, 2011A4PS061U
3. Shri S.L. Narayan, 2011A8PS221G
4. Shri I. Praneeth, 2011B2A3672H

MEMBERS OF THE SENATE APPOINTED BODIES

(A) RESEARCH BOARD

Chairman (Vice-Chancellor):

Prof. Bijendra Nath Jain

Vice Chairman (Dean, ARD):

Prof. Sanjay Kumar Verma

Secretary (Registrar):

Prof. M.M.S. Anand

Directors of all BITS Campuses:

1. Prof. G. Raghurama
2. Prof. Ranendra N. Saha
3. Prof. K.E. Raman (*Acting*)
4. Prof. V.S. Rao

Deputy Directors:

Vacant

Dean, Sponsored Research & Consulting:

Prof. Sunil Bhand

Chief Research & Development Officer:

Shri S.N. Zindal

Faculty Members (8):

1. Prof. Anil Kumar Bhat, *Pilani Campus*
2. Prof. Bijay Kumar Rout, *Pilani Campus*
3. Prof. Hemant Ramanlal Jadhav, *Pilani Campus*
4. Dr. Ram Shanker Patel, *K.K. Birla Goa Campus*
5. Dr. Ramesha C.K., *K.K. Birla Goa Campus*
6. Prof. N. Rajesh, *Hyderabad Campus*
7. Prof. Y. Yoganandam, *Hyderabad Campus*
8. Prof. Neeru Sood, *Dubai Campus*

(B) ACADEMIC COUNSELLING BOARD

I. Pilani Campus:

Chairman : Dean , ARCD

Prof. Niti Nipun Sharma

Dean, ID:

Prof. Ajit Pratap Singh

Dean, SWD:

Prof. Arya Kumar

Faculty Members (2):

1. Dr. Sanjiv Kumar Choudhary
2. Dr. Tanu Shukla

Student Members (2):

1. Mr. Divyanshu Jain, 2011A4PS238P
2. Mr. Prem Mukesh Parekh, 2011A7PS086P

II. K.K. Birla Goa Campus:

Chairman : Associate Dean , ARCD

Prof. Neena Goveas

Associate Dean, ID:

Prof. Aditya Prasad Koley

Associate Dean, SWD:

Dr. Lucy J. Gudino

Faculty Members (2):

1. Prof. P. Bhavana
2. Dr. Ranjit S. Patil

Student Members (2):

1. Mr. Sinai Kunkolienkar Raj Ramnath, 2012B5PS234G
2. Ms. Samyukta Ramnath, 2012A3B5038G

III. Hyderabad Campus:

Chairman : Associate Dean , ARCD

Prof. Morapakala Srinivas

Associate Dean, ID:

Prof. A. Vasani

Associate Dean, SWD:

Dr. Sandip Shridharrao Deshmukh

Faculty Members (2):

1. Dr. Aruna Malapati
2. Dr. Manab Chakravarty

Student Members (2):

1. Mr. Ghantasala Sai Krishna, 2011B3A4604H
2. Mr. Aalhad Parulekar, 2011A3PS260H

IV. Dubai Campus:

Chairman : Associate Dean , ARCD

Prof. A. Somasundaram

Associate Dean, ID:

Prof. K. Kumar

Associate Dean, SWD:

Prof. Priti Bajpai

Faculty Members (2):

1. Prof. Geetha
2. Mr. Sunil Thomas

Student Members (2):

1. Ms. Iyer Aiswarya Rajesh, 2011A7PS247U
2. Mr. Avishek Goel, 2011A4PS086U

(C) ACADEMIC MONITORING BOARD

Chairman : Dean, WILPD:

Prof. S. Gurunaryanan

Associate Deans, WILPD:

1. Prof. Anil Kumar
2. Dr. Raghunath Ratabole
3. Prof. Srinivasa Prakash Regalla
4. Shri K. Venkatasubramanian
5. Dr. G. Venkiteswaran

Dean, ID:

Prof. Ajit Pratap Singh

Dean, PSD:

1. Prof. Niranjan Swain, Hyderabad Campus
2. Prof. B. Muralidharan, Dubai Campus

Dean, ARD:

Prof. Sanjay Kumar Verma

Dean, ARCD:

Prof. Niti Nipun Sharma

(D) ACADEMIC REGULATIONS CLAUSE 1.08 COMMITTEE

Dean, ID:

Prof. Ajit Pratap Singh

Dean, ARCD:

Prof. Niti Nipun Sharma

Dean, PSD:

1. Prof. Niranjan Swain, Hyderabad Campus
2. Prof. B. Muralidharan, Dubai Campus

Dean, ARD:

Prof. Sanjay Kumar Verma

Dean, WILPD:

Prof. S. Gurunaryanan

Admissions Officer:

1. Prof. Ajit Pratap Singh, Pilani Campus
2. Prof. Thoppil George Thomas, Dubai Campus

Convenorship rotates amongst these members depending on the item to be discussed.

(E) HIGHER DEGREE COUNSELLING COMMITTEE

Convenor: Dean, ARD:

Prof. Sanjay Kumar Verma

Dean, PSD:

1. Prof. Niranjan Swain, Hyderabad Campus
2. Prof. B. Muralidharan, Dubai Campus

Dean, ARCD:

Prof. Niti Nipun Sharma

Dean, ID:

Prof. Ajit Pratap Singh

Dean, WILPD:

Prof. S. Gurunaryanan

Chief, IPCU:

Prof. Janardan Prasad Misra

(F) DOCTORAL COUNSELLING COMMITTEE

Convenor: Dean, ARD:

Prof. Sanjay Kumar Verma

Dean, ID:

Prof. Ajit Pratap Singh

Dean, ARCD:

Prof. Niti Nipun Sharma

Dean, PSD:

1. Prof. Niranjan Swain, Hyderabad Campus
2. Prof. B. Muralidharan, Dubai Campus

Dean, WILPD:

Prof. S. Gurunaryanan

Faculty Members (2):

1. Dr. Anjan Chattopadhyay, K.K. Birla Goa Campus
2. Dr. Anil Gaikwad, Pilani Campus

(G) STANDING COMMITTEE FOR STUDENTS' DISCIPLINE

I. Pilani Campus:

Chairman : Dean , SWD

Prof. Arya Kumar

Chief Warden:

Prof. Sai Jagan Mohan

Faculty Members(2):

1. Dr. Gajendra Singh Chauhan
2. Dr. Saumi Ray

Student Member (1):

Mr. Prateek Jain, 2011B1A4696P

II. K.K. Birla Goa Campus:

Chairman : Associate Dean, SWD

Dr. Lucy J. Gudino

Chief Warden:

Dr. Ramesha C.K.

Faculty Members (2):

1. Dr. P.N. Deepak
2. Dr. Reena Cheruvalath

Student Member (1):

Mr. Nitish Myneni, 2011A8PS371G

III. Hyderabad Campus:

Chairman : Associate Dean, SWD:

Dr. S.S. Deshmukh

Chief Warden:

Dr. Kumar Pranav Narayan

Two Faculty Members (2):

1. Dr. Ramesh Babu Adusumalli
2. Dr. Aivelu Manga Parimi

Student Member (1):

Mr. Anshool Singhi, 2011B3A4425H

IV. Dubai Campus:

Chairman : Dean , SWD:

Prof. Priti Bajpai

Chief Warden:

Dr. N.K. Miller Jothi

Two Faculty Members (2):

1. Dr. Amarnath G.
2. Dr. Gomathi Bhavani

Student Member (1):

Mr. Arjun Arya, 2012A4PS014U

(H) NOMINATIONS COMMITTEE

Chairman (Vice-Chairman of the Senate):

Prof. G. Raghurama

Deputy Directors:

Vacant

Members of Senate (4):

1. Prof. S. Gurunarayanan, *Pilani Campus*

2. Prof. P.N.K. Rao, *Hyderabad Campus*

3. Prof. Sunil Bhand, *K.K. Birla Goa Campus*

4. Prof. Dawood Jalaluddin Shariff, *Dubai Campus*

Secretary:

Prof. M.M.S. Anand, Registrar

(I) LIBRARY COMMITTEE

I. Pilani Campus:

S.No.	Department	Name of the member
1.	Biological Sciences	Dr. Shilpi Garg
2.	Civil Engineering	Dr. Shibani Khanra Jha
3.	Chemical Engineering	Dr. Sonal Mazumder
4.	Chemistry	Dr. Prashant Uday Manohar
5.	Computer Science & Information Systems	Dr. Sundaresan Raman
6.	Off-Campus Work-Integrated Learning Programmes	Shri K. Venkatasubramanian
7.	Economics & Finance	Dr. Krishna M.
8.	Electrical & Electronics Engineering & Instrumentation	Dr. Anantha Krishna Chintanpalli
9.	Humanities and Social Sciences	Dr. Sunita Raina
10.	Mathematics	Dr. Chandra Shekhar
11.	Mechanical Engineering	Dr. Abhijeet Kesharao Digalwar
12.	Management	Dr. Udayan Chanda
13.	Pharmacy	Dr. Jindal Anil Brijbhushan
14.	Physics	Dr. Jayendra N. Bandyopadhyay
Shri Giridhar M. Kunkur (Librarian) - Chairman of the Library Committee		

II. K.K. Birla Goa Campus:

1. Biological Sciences Prof. Vijayashree Nayak
2. Chemical Engineering Dr. Saroj S. Baral
3. Chemistry Prof. N.N. Ghosh

4. Computer Science & Information Systems	Shri Ramprasad S. Joshi
5. Economics	Dr. Puran Singh
6. Electrical & Electronics Engineering & Electronics and Instrumentation	Dr. Nitin Sharma
7. Humanities and Management	Dr. Nilak Datta
8. Mathematics	Dr. Amit Setia
9. Mechanical Engineering	Dr. Trushar Gohil
10. Physics	Dr. Kinjal Banerjee
Dr. Anuradha V (Assistant Librarian) - Chairman of the Library Committee	

III. Hyderabad Campus:

1. Biological Sciences	Prof. S. Swaminathan
2. Civil Engineering	Dr. Trishikhi Raychoudhary
3. Chemical Engineering	Dr. Pradip Babanrao Dhamole
4. Chemistry	Dr. Amit Nag
5. Computer Science & Information Systems	Dr. Tathagata Ray
6. Economics and Finance	Dr. Archana Srivastava
7. Electrical & Electronics Engineering	Dr. Subhendu Kumar Sahoo
8. Humanities and Social Sciences	Dr. Maya Vinai
9. Mathematics	Dr. Jagan Mohan Jonnalagadda
10. Mechanical Engineering	Dr. Sabareesh Geetha Rajasekharan
11. Pharmacy	Dr. Onkar Prakash Kulkarni
12. Physics	Dr. Sarmistha Banik
Shri M.S. Uday Kumar (Deputy Librarian) - Chairman of the Library Committee	

IV. Dubai Campus:

1. Biotechnology	Prof. Dawood Jalaluddin Shariff
2. Chemical Engineering	Prof. Bharat Bhushan Gulyani
3. Computer Science	Dr. Santhosh Kumar
4. Electrical & Electronics Engineering, Electronics and Instrumentation Engineering and Electronics and Communication Engineering	Dr. Vilas Gaithane
5. General Sciences	Dr. Rajan R
6. Humanities and Social Sciences	Prof. Shazi Shah Jabeen
7. Mechanical Engineering	Prof. A.M. Surendra Kumar
Dr. K.N. Sheshadri (Librarian) - Chairman of the Library Committee	

(J) ADMISSION COMMITTEE

Vice-Chancellor (Chairman):
Prof. Bijendra Nath Jain

Members:

Director, Pilani Campus:
Prof. G. Raghurama

Director, K.K. Birla Goa Campus:
Prof. K.E. Raman (*Acting*)

Director, Hyderabad Campus:
Prof. V.S. Rao

Director, Dubai Campus:

Prof. Ranendra N. Saha

Director (Off-campus Programmes):

Prof. G. Sundar

Dean/Associate Dean (Admissions), Pilani Campus
(*Convenor*):

Prof. Ajit Pratap Singh (*Dean*)

MEMBERSHIP

The Institute continued to be a member of the following distinguished bodies:

1. Association of Commonwealth Universities, *London*.
2. Association of Indian Universities, *New Delhi*.
3. Current Science Association, *Bangalore*.
4. Federation of Indian Chambers of Commerce and Industry – Higher Education Network, *New Delhi*.
5. India International Centre, *New Delhi*.
6. Indian Association of Social Science Institutions, *New Delhi*.
7. Indian Distance Education Association, *Hyderabad*.
8. Indian Institute of Foreign Trade, *New Delhi*.
9. Indian Society for Technical Education, *New Delhi*.
10. Institution of Communication Engineers and Information Technologists, *New Delhi*.
11. International Association of Universities, *Paris*.
12. International Council for Open and Distance Education, *Norway*.
13. National Council of Applied Economic Research, *New Delhi*.
14. Petrotech Society, *New Delhi*.
15. Pharmacy Council of India, *New Delhi*.
16. The Institution of Engineers (India), *Kolkata*.
17. World Association for Cooperative Education, *Boston, USA*.

STATISTICS OF Ph.D. QUALIFYING EXAMINATION

BITS, PILANI - PILANI CAMPUS

I. Statistical Information for Ph.D. Programme

Sem.	Permitted to Appear in Quali. Exam.	Appeared	Passed	Failed
II Sem. 2013-14	50	50	45	5
I Sem. 2014-15	30	30	24	6
Total	80	80	69	11

II. Statistical Information for Faculty Development Scheme

Sem.	Permitted to Appear in Quali. Exam.	Appeared	Passed	Failed
II Sem. 2013-14	-	-	-	-
I Sem. 2014-15	1	1	1	-
Total	1	1	1	-

III. Analysis of candidates permitted to appear in Ph.D. qualifying examination

(i) BITS Faculty	1
(ii) Aspirants of High Standing and proven competence	15
(iii) Full time Students	65

Discipline wise Break-up	Organizational Break-up	Discipline wise Break-up
EEE	Government	3
	Research	8
	Corporate	4
	Biosciences	12
	Chemistry	14
	Chemical	03
	EEE	07
	Mathematics	01
	Mechanical	10
	CSIS	05
	Lang. & Hum.	03
	Management	05
	Pharmacy	05
	Physics	02
	Econ. & Fin.	04
Civil	09	
Total -	1	80

STATISTICS OF Ph.D. QUALIFYING EXAMINATION

BITS, PILANI - KK BIRLA GOA CAMPUS

I. Statistical Information for Ph.D. Programme

Sem.	Permitted to Appear in Quali. Exam.	Appeared	Passed	Failed
II Sem. 2013-14	9	9	8	1
I Sem. 2014-15	25	25	25	-
Total	34	34	33	1

II. Statistical Information for Faculty Development Scheme

Sem.	Permitted to Appear in Quali. Exam.	Appeared	Passed	Failed
II Sem. 2013-14	1	1	-	1
I Sem. 2014-15	-	-	-	-
Total	1	1	-	1

III. Analysis of candidates permitted to appear in Ph.D. qualifying examination

(i) BITS Faculty	1
(ii) Aspirants of High Standing and proven competence	-
(iii) Full time Students	34

Discipline wise Break-up

EEE

1

Discipline wise Break-up

Biosciences	1
Chemistry	8
Chemical	2
EEE	6
Mathematics	2
Mechanical	3
CSIS	2
Lang. & Hum.	3
Management	0
Pharmacy	0
Physics	5
Econ. & Fin.	2
Civil	0
Total	34

Total 1

STATISTICS OF Ph.D. QUALIFYING EXAMINATION

BITS, PILANI - HYDERABAD CAMPUS

I. Statistical Information for Ph.D. Programme

Sem.	Permitted to Appear in Quali. Exam.	Appeared	Passed	Failed
II Sem. 2013-14	22	22	20	2
I Sem. 2014-15	27	27	24	3
Total	49	49	44	5

II. Statistical Information for Faculty Development Scheme

Sem.	Permitted to Appear in Quali. Exam.	Appeared	Passed	Failed
II Sem. 2013-14	-	-	-	-
I Sem. 2014-15	1	1	1	-
Total	1	1	1	-

III. Analysis of candidates permitted to appear in Ph.D. qualifying examination

(i) BITS Faculty	1
(ii) Aspirants of High Standing and proven competence	11
(iii) Full time Students	38

Discipline wise Break-up

Civil 1

Total 1

Discipline wise Break-up

Biosciences	06
Chemistry	03
Chemical	05
EEE	07
Mathematics	00
Mechanical	01
CSIS	04
Lang. & Hum.	00
Management	00
Pharmacy	11
Physics	03
Econ. & Fin.	01
Civil	08

49

STATISTICS OF Ph.D. QUALIFYING EXAMINATION

BITS, PILANI - DUBAI CAMPUS

I. Statistical Information for Ph.D. Programme

Sem.	Permitted to Appear in Quali. Exam.	Appeared	Passed	Failed
II Sem. 2013-14	16	16	15	1
I Sem. 2014-15	03	03	02	1
Total	19	19	17	2

II. Statistical Information for Faculty Development Scheme

Sem.	Permitted to Appear in Quali. Exam.	Appeared	Passed	Failed
II Sem. 2013-14	1	1	1	-
I Sem. 2014-15	1	1	1	-
Total	2	2	2	-

III. Analysis of candidates permitted to appear in Ph.D. qualifying examination

(i) BITS Faculty	2
(ii) Aspirants of High Standing and proven competence	-
(iii) Full time Students	21

Discipline wise Break-up

Mechanical 2

1

Discipline wise Break-up

Biosciences	4
Chemistry	0
Chemical	0
EEE	8
Mathematics	0
Mechanical	3
CSIS	5
Lang. & Hum.	0
Management	1
Pharmacy	0
Physics	0
Econ. & Fin.	0
Civil	0

21

BITS Pilani

annual report 2014

Part B1: Pilani Campus

CONTENTS

	Page No.
B1.1 SENIOR OFFICERS OF THE INSTITUTE	B1-1
New Administrative appointments	B1-1
B1.2 ADMISSIONS	B1-3
B1.3 DUAL DEGREES AND TRANSFER	B1-3
B1.4 ACADEMIC CALENDAR	B1-4
B1.5 COURSES OFFERED	B1-4
B1.6 REGISTRATION OF STUDENTS	B1-4
B1.7 ACADEMIC COUNSELLING BOARD	B1-4
B1.8 AWARD OF DEGREES AND MEDALS	B1-5
B1.9 CAMPUS INTERVIEWS AND PLACEMENT	B1-5
Employment of Graduates during the Year 2013	B1-5
B1.10 DEPARTMENT-WISE REPORT	B1-7
B1.10.1 Department: Biological Sciences	B1-7
B1.10.2 Department: Civil Engineering	B1-19
B1.10.3 Department: Chemical Engineering	B1-25
B1.10.4 Department: Chemistry	B1-33
B1.10.5 Department: Computer Science & Information Systems	B1-42
B1.10.6 Department: Economics and Finance	B1-47
B1.10.7 Department: Electrical, Electronics & Instrumentation	B1-49
B1.10.8 Department: Humanities and Languages	B1-57
B1.10.9 Department: Mathematics	B1-63
B1.10.10 Department: Mechanical Engineering	B1-67
B1.10.11 Department: Management	B1-72
B1.10.12 Department: Pharmacy	B1-74
B1.10.13 Department: Physics	B1-87
B1.11 DIVISION/UNIT/CENTER-WISE ACTIVITY HIGHLIGHTS	B1-94
Faculty Affairs Division	B1-94
Practice School Division	B1-97
University-Industry Linkages	B1-97
Practice School Programme	B1-97
PS-II Assignments: Institute's Contribution to Industrial Development	B1-97
PS-II Stations Added during the Year 2014	B1-98
PS Planning	B1-101
PS Instruction Monitoring	B1-101
Students' Involvement in PS Division-based Projects	B1-101
Academic Research	B1-101
Ph.D. Programme	B1-101
Award of Ph.D. Degree	B1-101
Ph.D. Thesis Submitted and Under Process of Evaluation	B1-105
Ph.D. Aspirant's Scheme	B1-106

	Page No.
Sponsored Research Projects	B1-106
Entrepreneurship Development & IPR Unit	B1-114
Patent Filing and Protection	B1-115
Software Development and Educational Technology Unit	B1-115
Center for Biotechnology	B1-115
Centre for Desert Development Technologies (CDDT)	B1-116
Centre for Educational Technology (CET)	B1-116
Center for Entrepreneurial Leadership	B1-117
E-Week 2014	B1-117
Rural Entrepreneurial Division	B1-117
Summer in a Startup (SIS)	B1-117
Mantra Awards 2014	B1-118
Technology Innovation Centre (TIC)	B1-118
Centre for Materials Science and Technology	B1-118
Centre for Robotics and Intelligent System	B1-118
Centre for Renewable Energy & Environment Development (CREED)	B1-119
Centre for Software Development (CSD)	B1-119
Centres Established with Strong Industrial Support	B1-120
Embedded Controller Application Centre	B1-120
Technology Business Incubator (TBI)	B1-120
B1.12 CENTRAL FACILITIES REPORT	B1-121
Central Library	B1-121
Medical Centre	B1-122
BITS Coop	B1-123
Infant Care Centre	B1-123
Institute Functions	B1-123
BITS House Allotment Committee (BITSHAC)	B1-123
BITS Staff Housing Group	B1-123
Recreation Activities Forum (RAF)	B1-124
Publications and Media Relations	B1-124
Central Workshop	B1-125
Instrumentation	B1-125
Information Processing Center	B1-125
Computer Assisted Housekeeping	B1-126
Central Analytical Laboratory Facility	B1-127
Central Animal Facility	B1-128
B1.13 MAJOR MAINTENANCE, RENOVATIONS OR NEW CONSTRUCTION REPORTS	B1-128
Maintenance, Renovation and Construction	B1-128
Works Completed	B1-128
Works in progress	B1-129
B1.14 MAJOR EQUIPMENTS ACQUIRED DURING THE YEAR	B1-129
B1.15 STUDENTS ACTIVITIES, ACHIEVEMENTS, SCHOLARSHIPS, CULTURAL AND ACADEMIC FESTIVALS	B1-129

	Page No.
Students Union	B1-129
Sports Club	B1-131
Sports Events organized during the 2013-14	B1-131
BITS Open Sports Meet	B1-131
Swimming Club	B1-132
Health Club	B1-132
Martial Arts	B1-132
Hockey Camp	B1-132
Tennis Camp	B1-133
National Service Scheme (NSS)	B1-133
OASIS 2013	B1-135
APOGEE 2013	B1-135
INTERFACE 2013	B1-136
Ragamalika	B1-136
SPIC MACAY	B1-136
MATRIX	B1-136
NIRMAAN	B1-138
National Talent Search Scheme	B1-139
Earn While You Learn	B1-139
Aditya Birla Group Scholarships	B1-139
GE Fund Scholarship Program – 2011-13	B1-139
Institute Fellowship	B1-139
CSIR/UGC/ICMR Fellowship	B1-139
Fellowships under Externally Funded Projects	B1-139
Alumni Scholarships	B1-139

BITS PILANI – PILANI CAMPUS**B1.1 SENIOR OFFICERS OF THE INSTITUTE****DIRECTOR**

Prof. G. Raghurama

REGISTRAR

Prof. M.M.S. Anand

New Administrative appointments

The following administrative appointments were made during the year:

- A. Prof. G. Sundar, Deputy Director (Off-Campus Programmes) has been appointed as Director (Off-Campus Programmes and Industry Engagement) with effect from 24th March, 2014.
- B. Prof. R.K. Mittal, Director, BITS, Pilani – Dubai Campus has been appointed as Director (Special Project) with effect from 24th March, 2014.
- C. Followings have been appointed as Deans of the Divisions mentioned against their names with effect from 16th June 2014 for a term of three years :

I. University Wide:

S.No.	Name	Division
(a) <u>Pilani Campus:</u>		
1.	Prof. Shan Balasubramaniam	Academic and Resource Planning
2.	Prof. R. Mahesh	Faculty Affairs
3.	Prof. Niranjan Swain	Practice School
4.	Prof. S. Gurunarayanan	Work Integrated Learning Programmes

II. Campus Wide:

<u>Pilani Campus :</u>		
1.	Prof. S.C. Sivasubramanian	Administration

- D. Followings have been appointed as Associate Deans of the Divisions mentioned against their names as per details given below:

S.No.	Name	Administrative Function	Period
1.	Prof. Anshuman Dalvi	Faculty Affairs	16-01-2014 to 15-01-2017
2.	Prof. Hemant Ramanlal Jadhav	Academic Research	16-01-2014 to 15-01-2017
3.	Prof. Sanjeev Kumar	Sponsored Research and Consulting	16-01-2014 to 15-01-2017
4.	Prof. Hitesh Datt Mathur	Academic and Resource Planning	16-01-2014 to 15-01-2017
5.	Prof. Dalip Kumar	International Programmes and Collaboration	16-01-2014 to 15-01-2017
6.	Prof. Hari Om Bansal	Admissions	16-01-2014 to 15-01-2017
7.	Prof. P Srinivasan	Practice School	16-01-2014 to 15-01-2017
8.	Mr. K. Venkatasubramanian	Work Integrated Learning Programmes	16-01-2014 to 15-01-2017
9.	Prof. Anil Kumar	Work Integrated Learning Programmes	13-05-2014 to 15-01-2017

S.No.	Name	Administrative Function	Period
10.	Prof. Srikanta Routroy	Instruction	16-01-2014 to 15-01-2017
11.	Prof. Bijay Kumar Rout	Academic Registration and Counselling	16-01-2014 to 15-01-2017
12.	Prof. Kumar Neeraj Sachdev	Student Welfare	11-11-2014 to 15-01-2017

Off Campus

1.	Prof. (Ms) S. Sindhu	Practice School (Bangalore)	16-01-2014 to 15-01-2017
2.	Prof. G. Venkiteswaran	Work Integrated Learning Programmes (Chennai)	16-01-2014 to 15-01-2017

G. Following have been appointed as Chief of the Unit mentioned against his name with effect from 1st September 2014 upto 31st August 2015.

S.No.	Name	Unit
1.	Prof. S.C. Sivasubramanian	Computer Assisted Housekeeping
2.	Prof. M.M.S. Anand	General Administration
3.	Prof. J.P. Misra	Information Processing Centre
4.	Prof. Surekha Bhanot	Instrumentation
5.	Mr. Giridhar M. Kunkur (Officiating)	Publications and Media Relations
6.	Prof. Rahul Banerjee	Software Development & Educational Technology
7.	Prof. N.V. Muralidhar Rao	Centralised Purchases
8.	Prof. Mani Sankar Dasgupta	Placement
9.	Dr. Anshuman	Estate Management

H. Followings have been appointed as Heads of Department mentioned against their names as per details given below:

S.No.	Name	Department	Period
1	Dr. Rajesh Mehrotra	Biological Sciences	01-09-2014 to 31-8- 2016
2	Dr. Suresh Gupta	Chemical Engineering	01-09-2014 to 31-8- 2016
3	Prof. Anil Kumar	Chemistry	01-09-2014 to 31-8- 2016
4	Prof. Manoj Kumar	Civil Engineering	01-09-2014 to 31-8- 2016
5	Prof. Rahul Banerjee	Computer Science and Information Systems	01-09-2014 to 31-8- 2016
6	Dr. Arvind Sudarsan	Economics and Finance	01-09-2014 to 31-8- 2016
7	Prof. Anu Gupta	Elect. & Electro. Engg and Instrumentation	01-09-2014 to 31-8- 2016
8	Prof. Geetha B.	Humanities and Social Sciences	01-09-2014 to 31-8- 2016
9	Prof. Anil Kumar Bhat	Management	01-09-2014 to 31-8- 2016
10	Prof. Dilip Kumar Maiti	Mathematics	01-09-2014 to 31-8- 2016
11	Prof. Sai Jagan Mohan	Mechanical Engineering	01-09-2014 to 31-8- 2016
12	Dr. S. Murugesan	Pharmacy	01-09-2014 to 31-8- 2016
13	Prof. Debi Datt Pant	Physics	01-09-2014 to 31-8- 2016

I. Following have been appointed as Faculty-in-charges at Pilani Campus against his name with effect from 1st September 2014 upto 31st August 2015.

S.No.	Name of Faculty-in-charge	Name of Centres/Sections/Entities	Period
1.	Dr. Rajendra Prasad Pareek	Medical Center	01-09-2014 to 31-8-2015
2.	Dr. Abhijit K. Digalwar	Transport Services Section	01-09-2014 to 31-8-2015
3.	Prof. Kuldip Singh Sangwan	Workshop	01-09-2014 to 31-8-2015
4.	Dr. Virendra Singh Nirban	Reprography Section	01-09-2014 to 31-8-2015
5.	Dr. G.S. Chauhan	Publicity and Branding	01-09-2014 to 31-8-2015
6.	Dr. Yashvardhan Sharma	Pay Roll processing (CAHU)	01-09-2014 to 31-8-2015
7.	Dr. (Ms.) Jyoti	Center for Entrepreneurial Leadership (EDIPRU)	01-09-2014 to 31-8-2015
8.	Dr. Karunesh Kumar Gupta	Projection Systems and Instrumentation Services(IU)	01-09-2014 to 31-8-2015
9.	Dr. Virendra Singh Shekhawat	Educational Technology Support (SDETU)	01-09-2014 to 31-8-2015
10.	Dr. (Ms.) Poonam Goyal	Infant Care Center	01-09-2014 to 31-8-2015
11.	Prof. (Ms.) Sangeeta Sharma	Societal Development	01-09-2014 to 31-8-2015
12.	Dr. Sarvesh Satija	Institute Functions	01-09-2014 to 31-8-2015
13.	Prof. Hari Om Bansal	Alumni Affairs	11-11-2014 to 31-8-2015

J. Prof. Sai Jagan Mohan is appointed as Chief Warden with effect from 17th December 2014.

K. The following faculty members have been appointed as Resident Warden of the hostels noted against their names as per details given below:

S.No.	Name	Hostel	w.e.f.
1.	Dr. Amit Kumar Verma	Krishna & Gandhi Bhawan	01-07-2014
2.	Dr. Arun Kumar Jalan	Shankar Bhawan	01-07-2014
3.	Dr. Virendra Singh Shekhawat	Srinivasa Ramanujan Bhawan	01-07-2014
4.	Dr. Dipendu Bhunia	Budh Bhawan & Malviya Bhawan – D Block	19-11-2014
5.	Mr. Sachin U Belgamwar	Malviya Bhawan – A,B & C Blocks	19-01-2015

The names and designations of senior officers of Pilani campus are given in 'Annexure B1-14'.

B1.2 ADMISSIONS

The number of students admitted in each of the semester is given below.

	Integrated First Degree Programmes	Higher Degree Programmes	Doctoral Programmes (PhD)	Total
Second Semester 2012-2013	–	–	54(21)	54(21)
First Semester 2013-2014	922(124)	268(83)	17(9)	1207(216)

The programme-wise details are given in 'Annexure B1-1'.

B1.3 DUAL DEGREES AND TRANSFERS

Dual Degree

During the Academic year 2014-2015, 261 students were permitted to work concurrently for two first degrees under Dual Degree scheme. See 'Annexure B1-2' for details.

B1.4 ACADEMIC CALENDAR

The Academic year of the Institute is divided into two semesters and a summer term.

	Starting Date	Ending date	Number of instruction days (excluding examination days)
Second Semester 2013-2014	13-1-2014	16-5-2014	76
First Semester 2014-2015	1-8-2014	13-12-2014	81
Summer Term 2013-2014	23-5-2014	18-7-2014	48
Practice School II 2013-14 (II Sem. 2013-14)	13-1-2014	20-6-2014	137
Practice School I 2013-14	23-5-2014	17-7-2014	47
Practice School II 2014-15 (First Sem. 2014-15)	4-7-2014	13-12-2014	140

B1.5 COURSES OFFERED

The number of courses, offered during the year 2014 is as follows:

	Number of Courses offered
II Semester 2013-2014	609
I Semester 2014-2015	521
Summer Term 2013-2014	8

The list of new courses introduced during 2014 are given in 'Annexure B1-7'.

Project-oriented Courses

During this year a large number of students worked on time-bound projects of various types. The information about the projects done and the names of the students who worked on the projects and the names of instructors are given in Annexure `B1-6'.

B1. 6 REGISTRATION OF STUDENTS

The registration processes for both the semesters was completed on the first day of each semester.

	Number of students registered
Second Semester 2013-2014	4439
First Semester 2014-2015	4569
Summer Term 2013-2014	839

Details of Registration of students for the First Semester 2014-2015 are given in 'Annexure B1-3'.

B1.7 ACADEMIC COUNSELLING BOARD (ACB)

During the year, the Academic Counselling Board, estimated the extent to which students under its purview fell short of the minimum academic performance, drew up a time-frame within which afflictions were to be removed, determined the package of courses for their registration in each semester and laid down the necessary stipulations for achieving intermediate targets. It further monitored their progress and applied necessary mid-course corrections, wherever required. The statistical summary of the number of On-campus students under its purview during the year is given below:

	II Semester 2013-2014	I Semester 2014-2015
1. Total number of students under the purview of ACB at the beginning of the semester	125	119
2. No. of students declared out of its purview at the end of the semester	46	52
3. No. of students who left the Institute during the semester	04	8

	II Semester 2013-2014	I Semester 2014-2015
4. No. of new students who came under the purview of ACB at the end of the semester	44	95
5. Total No. of students under the purview of ACB during the next semester	119	154

B1.8 AWARD OF DEGREES AND MEDALS

a. Award of Degrees

On Campus Programmes

During the year 78 degrees were awarded in the Board of Governors meeting held on 29.03.2014 (74th Award) and 1252 degrees were awarded on 16.07.2014 (75th Award), through a Circulatory Resolution. Statistical details of these degrees are given in 'Annexure B1-4'.

Since 75th award, more students have become eligible for the award of Degrees.

b. Award of Medals

For Academic Year 2013- 2014

The list of students who were awarded various medals, for the students graduated at the end of First Semester, Second Semester and Summer Term of the academic year 2013-2014 in the following table:

S.No.	Name & ID NO.	Sex	CGPA obtained	Position obtained	Type of medal awarded
Integrated First Degree Programmes (Total number of students 823)					
1.	Anirudha S Bhat 2010A3TS135P	M	9.97	FIRST	GOLD
2.	Husain Yasir Mohsin 2010A3PS049P	M	9.94	SECOND	SILVER
3.	Agrim Gupta 2010A3PS187P	M	9.94	SECOND	SILVER
4.	Pratham Jain 2010A4PS088P	M	9.92	THIRD	BRONZE

B1.9 CAMPUS INTERVIEWS AND PLACEMENT

Number of companies which conducted campus interviews	156
No of interviews	1628
No of offers made	823

The statistics (discipline-wise) and the list of organizations which conducted campus interviews during the year is given in Annexure 'B1-5'.

Employment of Graduates during the Year 2014

Programme	Number graduated	Employed/ Higher Studies	Unemployed	Those neither informed nor sought help in placement
On-Campus Programmes				
B.E.(Hons.)				
Chemical	51	48	2	1
Civil	48	42	5	1
Computer Science	97	91	6	0
EEE	97	86	9	2

Programme	Number graduated	Employed/ Higher Studies	Unemployed	Those neither informed nor sought help in placement
Electronics & Instrumentation	55	50	2	3
Mechanical	84	75	6	3
Manufacturing	28	24	3	1
B.Pharm	30	22	4	4
M.Sc.(Hons.)				
Bio. Sciences	43	32	4	7
Chemistry	36	31	2	3
Economics	52	44	2	6
Mathematics	57	46	2	9
Physics	50	39	4	7
M.Sc.(Tech.)				
General Studies	25	4	8	13
Information Systems	60	54	4	2
Finance	11	9	2	0
M.E.				
Biotechnology	12	11	0	1
Chemical	11	6	4	1
Chemical (Spl. In Petrochem)	7	1	5	1
Civil (Spl. in Structural Engg.)	14	7	6	1
Civil (Spl. in Transportation Engg.)	10	2	5	3
Civil (Spl. in Infrastructure Systems)	7	1	6	0
Communication Engg.	14	9	4	1
Computer Science	16	13	3	0
Design Engg.	8	2	5	1
Embedded System	8	5	3	0
Manufacturing Systems Engg.	8	5	2	1
Mechanical	12	9	2	1
Microelectronics	13	11	2	0
Software Systems	22	20	2	0
M.Pharm	11	3	8	0
M.Pharm. (Spl. In Pharmaceuticals)	11	8	0	3
M.Pharm. (Spl. Pharmaceutical Chemistry)	10	5	3	2
MBA	46	29	16	1
Total	1064	844	141	79

B1.10 DEPARTMENT-WISE REPORT

In the following pages, a brief summary of the main activities and achievements of different departments of the campus are highlighted.

B1.10.1 Department: Biological Sciences

Number of faculty members (as on 31st December 2014)

Senior Professors, Professors	02
Associate Professors	05
Assistant Professors	12
Lecturers	02
Visiting Faculty (Adjunct Faculty)	01

Head of the Department: Dr. Rajesh Mehrotra

Contact details: rmehrotra@pilani.bits-pilani.ac.in

Number of PhD Scholars: 37

Number of RA: 02 (One DST Women Scientist and One DST Young Scientist)

Ph.D. Thesis Submitted during the year: 06

1. Navin Jain (2009PHXF004P), Biomimetic Synthesis of Ag and ZnO Nanoparticles and their Potential Applications.
2. Garima Gupta (2008PHXF411P), Molecular Diversity, Temporal Dynamics and Characterization of Colonization Behaviour in Plants of Cultivable Diazotrophic Endophytic Bacteria Recovered from Pearl Millet (*Pennisetum glaucum*).
3. L. Dhanurekha, (2010PHXF040P), Geneotypic and Phenotypic methods for rapid detection and drug (first and second line) resistance of tuberculosis.
4. Prakash Swarva (2005PHXF415P), Biosorption of Heavy Metals and Dyes by *Scenedesmus* MCC26.
5. Amit Kumar Subudhi (2007PHXF423P), In Vivo Transcriptome Analysis of *Plasmodium falciparum* clinical Isolates: Glimpses into Molecular Events in Complicated Malaria.
6. V.Nalini (2010PHXF038P); Title: Evaluation of Molecular Targets In Clinical Management of Intra-ocular Tumors (Retinoblastoma and Uveal Melanoma).

A. SPONSORED RESEARCH ACTIVITIES:

1. Ongoing projects:

1. (PI: Sandhya Mehrotra, Co PI: Rajesh Mehrotra) "Design, synthesis and validation of a dehydration stress responsive promoter in plants" Funding Agency: University Grants Commission (UGC), Govt. of India, New Delhi; Sanctioned Amount: 12.88 Lakhs Duration: 3 Years (2013-2016).
2. (PI: Prabhat Nath Jha, Co PI: Rajesh Mehrotra, S K Verma) "Molecular Characterization of ACC (1-aminocyclopropane-1-carboxylate) Deaminase Activity of Associative Bacteria Isolated from Plants of Desert of Rajasthan. Funded Agency: Department of Biotechnology, Sanctioned amount: 41.35 Lakh. Duration: 3 years (2012-2015)
3. (PI: Sandhya Mehrotra) "Analyzing structural and functional evolutionary links between RubisCO and carbon concentration mechanism proteins" Funding Agency: Department of Science and Technology (DST), Govt. of India, New Delhi; Sanctioned Amount: 23.96 Lakhs Duration: 3 Years (2011-2014).
4. (PI: Jitendra Panwar) "Mechanistic studies on extracellular biosynthesis of metal nanoparticles" Funding Agency: Department of Science & Technology (DST), Govt. of India, New Delhi; Sanctioned Amount: 45.5 Lakh; Duration: 3 Years (2013-2016).
5. (PI: Jitendra Panwar) "Investigations on metal tolerance ability of soil fungi and their potential towards nanoparticle synthesis" Funding Agency: University Grant Commission (UGC), Govt. of India, New Delhi; Sanctioned Amount: 15.05800 Lakh; Duration: 3 Years (2013-2016).
6. (PI: Pankaj Kumar Sarma) "Phytochemical and Metabolic Characterization of *Prosopis cineraria* pods (sangri) as Potential Nutraceuticals" Funding Agency: DST-SERB, Govt. of India, New Delhi; Sanctioned Amount: 21.3 Lakhs; Duration: 3 Years (2012-2015).
7. (PI: Santosh Kumar Padhi): "Enzyme Catalyzed Kinetic Resolution of (a) Racemic

- Amidoalkyl naphthols and (b) Racemic 1-Amidomethyl-Imidazo [1,2-a] Pyridines" Funded by UGC, New Delhi, India, Amount 6 Lakhs, Duration: 2 years (2013 - 2015).
8. (PI: Santosh Kumar Padhi): "Engineering *Baliospermum montanum* Hydroxynitrile lyase for Potential Synthetic and Industrial Applications" Project sponsored by Science & Engineering Research Board (SERB) - New Delhi, India, Amount: 25 Lakhs. Duration: 3 years (2013 - 2016)
 9. (PI: Rajdeep Chowdhury) "Role of Hippo Signaling Pathway Components in Autophagy Regulation in Hepatocellular Carcinoma" Funding Agency: DST-SERB, Govt. of India, New Delhi; Sanctioned Amount: 24 Lakhs; Duration: 3 Years (2013-2016).
 10. (PI: Rajdeep Chowdhury) "Identifying microRNA Signatures Associated with Autophagy Induced Chemoresistance in Hepatocellular Carcinoma" Funding Agency: UGC, Govt. of India, New Delhi; Sanctioned Amount: 6 Lakhs; Duration: 2 Years (2013-2015).
 11. (PI: Rajdeep Chowdhury) "Role of Pro-inflammatory Cytokines in Epithelial to Mesenchymal Transition in Hepatocellular Carcinoma" Funding Agency: RIG-BITS-Pilani; Sanctioned Amount: 2 Lakhs; Duration: 2 Years (2013-2015).
 12. (PI: Shilpi Garg) "Characterization of major components of (FeS) Cluster assembly pathway in *Plasmodium vivax*" Funding Agency: Department of Science and Technology (DST), Govt. of India, New Delhi; Sanctioned amount 23 lakhs Duration: 3 years (2014-2017)
 13. (PI: Shilpi Garg) "Analysis of hypothetical and putative proteins dual targeted to apicoplast and mitochondria in *Plasmodium vivax*" Funding Agency: University Grants Commission (UGC), Govt. of India, New Delhi; Sanctioned amount 6 lakhs Duration: 2 years (2014-2015)
 14. (PI: Lalita Gupta) "Characterization of immune signaling pathway in *Anopheles* mosquitoes" Funding Agency: Science and Engineering Research Board (SERB), DST, Govt. of India, New Delhi; Sanctioned Amount: 21.2 Lakhs; Duration: 3 Years (2012-2015).
 15. (PI: Vishal Saxena) "Characterization of Isoprenoid biosynthetic pathway enzymes from *Plasmodium vivax*" Funding Agency: University Grants Commission, Govt. of India, New Delhi; Sanctioned amount 7.88 lakhs Duration: 3 years (2013-2016)
 16. (PI: Sanjeev Kumar, Co-PI: Lalita Gupta) "Molecular Characterization of *Anopheles stephensi* gut epithelial peroxidases and their role in modulating immunity against bacterial and fungal antigens" Funding Agency: Department of Science and Technology (DST), Govt. of India, New Delhi; Sanctioned Amount: 47.18 Lakhs; Duration: 3 Years (2012-2015).
 17. (PI: Sudeshna Mukherjee) "A mechanistic analysis of the role of pro-inflammatory cytokines in induction of epithelial to mesenchymal transition in hepatocellular carcinoma" Funding agency: DST FAST Track (Young Scientist), Amount Sanctioned: 17 Lakhs, Duration: 3 Years (2013-16).
 18. (PI: Prameela Jha): "Endophytic bacteria mediated phytoremediation of organic pollutants" Funding Agency: Department of Science and technology, India. Sanctioned amount: 25.10 lakhs; Duration: 3 years (2012-2015).
 19. (PI: P R Deepa): "Identification of potential molecular inhibitors of Fatty acid synthase (FASN) at the enzyme activity and gene expression level". Funding Agency: DBT-COE R&D Project-1, New Delhi. No.: BT/01/CEIB/11/V/16; Sanctioned amount: 33.67 Lakhs. In collaboration with Vision Research Foundation, Sankara Nethralaya, Chennai

2. Projects sanctioned during the year 2014.

1. (PI: Sandhya Mehrotra, Co PI: Rajesh Mehrotra) "Design, synthesis and validation of a dehydration stress responsive promoter in plants" Funding Agency: University Grants Commission (UGC), Govt. of India, New Delhi; Sanctioned Amount: 12.88 Lakhs Duration: 3 Years (2013-2016).
2. (PI: Jitendra Panwar) "Investigations on metal tolerance ability of soil fungi and their potential towards nanoparticle synthesis" Funding Agency: University Grant Commission (UGC), Govt. of India, New Delhi; Sanctioned Amount: 15.05800 Lakh; Duration: 3 Years (2013-2016).
3. (PI: S K Verma) Bio-leaching of copper from low grade ore at Hindustan Copper Limited, Khetri. Funding agency: Ministry of Mines, New Delhi Sanctioned Amount: 30.38 Lakhs Duration- Three Years.
4. (PI: S K Verma) Zinc Recovery from Industrial Waste using Bioleaching, Funding agency: WWE, BITS Pilani, Sanctioned Amount: 48.0 Lakhs, Duration-Three Years.
5. (PI: Vishal Saxena) "Characterization of Isoprenoid biosynthetic pathway enzymes from *Plasmodium vivax*" Funding Agency: University Grants Commission, Govt. of India, New Delhi; Sanctioned amount: 7.88 lakhs Duration: 3 years (2013-2016).
6. (PI: P R Deepa): Title: "Targeting ... (FASN) Type 2 in Retinoblastoma Cancer Cells"; submission id 2013-2678; In collaboration with Vision Research Foundation, Sankara Nethralaya, Chennai. Sanctioned amount: 19.8 Lakhs; Funding Agency: ICMR, New Delhi. Duration: 2 years (2014-2016).

3. Projects completed

1. (PI: Rajesh Mehrotra) "Cloning and characterization of protein phosphatase 2C promoter. Funding agency: DST; Sanctioned amount: 12.57 lakhs; Duration: 3 years.
2. (PI: Rajesh Mehrotra) "Natural and Engineered Lipases for Biodiesel Production (Co-investigator). Funded Agency: Aditya Birla Group, Sanctioned Amount: 10 Lakh. Duration: 2 Years.
3. (PI: Jitendra Panwar) "Nano technology for enhanced utilization of native-phosphorous by plants and higher moisture retention in arid soils" Funding Agency: Indian Council of Agricultural Research (ICAR), Govt. of India, New Delhi; Sanctioned Amount: 6.147119 Crore (41.539 Lakh); Duration: 6 Years (2008-2014).
4. (PI: Prabhat Nath Jha) "Molecular characterization of diazotrophic plant growth-promoting endophytic bacteria isolated from arid desert of Rajasthan. Funding Agency: Department of Science and Technology, Ministry of Scientific Affairs, India. Sanctioned Amount: 14.53 Lakh. Duration: 3 Years.
5. (PI: Shilpi Garg) "Analysis of genetic diversity of malaria parasite from Bikaner, India" Funding Agency: Birla Institution of Technology and Science, Pilani, Rajasthan; Sanctioned amount 2 lakhs Duration: 2 years (2012-2014).
6. (PI: Lalita Gupta) "Characterization of immune signaling pathway in Anopheles mosquitoes" Funding Agency: Aditya Birla Groups (ABG), Sanctioned Amount: 10 Lakhs; Duration: 2 Years.
7. (PI: S K Verma) Development of recombinant DNA based Biosensor device for detection of arsenic in water samples, Funding agency: DST, New Delhi, Sanctioned Amount: 36.5 Lakhs, Duration Three Years.
8. (PI: P R Deepa): "To Investigate the Effect of Fatty Acid Synthase (FASN) siRNA in a FASN expressing cancer cell line". In collaboration with Vision Research Foundation, Sankara Nethralaya, Chennai. Funding Agency: ICMR. Sanctioned Amount: 25 Lakhs. Duration: 3 years (2011-2014).
9. (PI: P R Deepa): "Cardiovascular Disease in human population: Mathematical modeling and analysis of its incidence, risk factors, and preventive strategies", Collaboration with Dr Padma Murali, Mathematics Dept, BITS Pilani - Chennai Centre. Funding Agency: UGC. Sanctioned amount: 8.44 Lakhs. Duration: 3 years (2011-2014).

10. Project proposals approved during the year:

1. (PI: Rajdeep Chowdhury) "Mutant-p53 gain-of-function: its role in regulating lncRNA expression and associated chemoresistance in human cancer cells" Funding Agency: DBT, Govt. of India, New Delhi; Sanctioned Amount: 25 Lakhs; Duration: 3 Years.
2. (PI: Lalita Gupta) "Studying the impact of Anopheles gut microbial environment on immunity and Plasmodium development" Funding Agency: Indian Council of Medical Research (ICMR), Govt. of India. Approved amount: 30 Lakh, Duration: 3 Years.

B. PUBLICATIONS:

The faculty members of the Department published a total of 26 papers in various International/ National refereed journals during the year and has one patent. The list is as follows:

1. Sidhu GK, Mehrotra R and Mehrotra S (2014) Carbon concentrating mechanisms: In rescue of RubisCO inefficiency: *Acta Physiol. plant.* DOI 10.1007/s11738-014-1652-3.
2. Mehrotra R, Jain V, Chandra Shekhar and Mehrotra S (2014) Genome wide analysis of *Arabidopsis thaliana* reveals high frequency of AAAGN7CTTT motif. *Metagene*.
3. Nigam S, Mehrotra S, Vani B, Mehrotra R (2014) Lipase Immobilization Techniques for Biodiesel Production: An Overview" Article ID 664708, *International Journal of Renewable Energy & Biofuels*, DOI: 10.5171/2014.664708.
4. Mehrotra R, Bhalothia P, Bansal P, Basantani MK, Bharti V and Mehrotra S: (2014) Abscisic acid and abiotic stress tolerance - different tiers of regulation. *Journal of Plant physiology* 171: 486–496.
5. Swarna Kanchan, Mehrotra R and Chowdhary S. (2014) Evolutionary pattern of four representative DNA repair proteins across six model organisms: *An in silico analysis*. *Network Modelling Analysis in health informatics and Bioinformatics*. 3:70 DOI :10.1007/s13721-014-0070-1.
6. Jain, N., Bhargava, A., and Panwar, J. 2014. Enhanced photocatalytic degradation of methylene blue using biologically synthesized "protein-capped" ZnO nanoparticles. *Chemical Engineering Journal*, 243: 549-555.
7. Jain, N., Bhargava, A., Sabat, D. and Panwar, J. 2014. Unveiling the potential of metal-tolerant fungal isolate for efficient enzyme production. *Process Biochemistry*, 49: 1858-1866.

8. Jha, P., Panwar, J. and Jha, P.N. 2014. Secondary plant metabolites and root exudates: guiding tools for polychlorinated biphenyl biodegradation. *International Journal of Environmental Science and Technology*, DOI 10.1007/s13762-014-0515-1.
9. Jha P. (2014) Microbes thriving in extreme environments: How do they do it? *International journal of applied sciences and biotechnology (IJASBT)*, 2(4), 393 - 401.
10. Chander, S., Ashok, P., Singh, S., Jha, P.N. and Murugesan, S. (2015). A Rapid, Green, Efficient Microwave-Assisted Synthesis and Antimicrobial Activity of Novel Glycinamide of 6,7-Dimethoxy-1, 2, 3, 4-Tetrahydroisoquinolines. *Current Microwave Chemistry*, 2, 000-000 (Epub).
11. David Nedrud, Hui Lin, Gilsinia Lopez, Santosh Padhi, Graig A. Legatt, Romas Kazlauskas, 2014. Uncovering divergent evolution of α/β -hydrolases: a surprising residue substitution needed to convert *Heavea brasiliensis* hydroxynitrile lyase into an esterase. *Chemical Science*, 5, 4265-4277.
12. Dubey, B., Dubey, P. and Dubey, U.S. 2014. Role of Media And Treatment on an SIR Model. *Nonlinear Analysis: Modeling and Control* (Ref No NA1403-023).
13. Dubey. B., Patra, A., Srivastava, P.K. and Dubey, U.S. (2013). Modeling and Analysis of a SEIR model with two different types of nonlinear treatment rate. *Journal of Biological systems*, 21, 1350023.
14. Runthala, A., and Chowdhury, S. 2014. Unsolved problems of ambient computationally intelligent TBM algorithms. *Springer Hybrid Soft Computing Approaches: Research and Applications, Accepted for publication*).
15. Sabharwal NS, and Runthala A 2014. Functional Protein Domains Evolve Very Specifically Over Mutations. *Journal of Proteomics and Genomics* 1(1): 102
16. Palvai, S. J, Nagraj. Mapara N, Chowdhury R* and Basu S* (*corresponding authors). 2014. Dual drug loaded vitamin D3 nanoparticle to target drug resistance in cancer. *RSC Advances*; 4, 57271-57281.
17. Pasha, S. Alam, P. Dash, S. Kaur, G. Banerjee, D. Chowdhury, R. Rath, N. Choudhury, R.A. and Laskar, I.R. 2014. Rare Observation of 'Aggregation Induced Emission' in Cyclometalated Platinum(II) Complexes and their Biological Activities. *RSC Advances*; 4, 50549-50553.
18. Chowdhury, R. Karak, P. Sen, A.K. Chatterjee, R. and Chaudhuri, K. 2014. Arsenic Extrusion and Energy Derivation as Survival Mechanism in a Novel *Exiguobacterium* Isolated from Arsenic Contaminated Groundwater of West Bengal. *American International Journal of Research in Formal, Applied and Natural Sciences (AIJRFANS)*; 14-318: pp19-27.
19. Subudhi, A.K., Boopathi, P. A., Garg, S., Middha, S., Acharya, J., Pakalapati, D., Saxena, V., Mohammed, A., Orekondy, H.B., Mugasimangalam, R.C., Sirohi, P., Kochar, S.K., Kochar, D.K., Das, A. 2014. Natural antisense transcripts in *Plasmodium falciparum* isolates from patients with complicated malaria, *Experimental Parasitology*, 141: 39-54.
20. Boopathi, P. A., Subudhi, A.K., Garg, S., Middha, S., Acharya, J., Pakalapati, D., Saxena, V., Mohammed, A., Orekondy, H.B., Mugasimangalam, R.C., Sirohi, P., Kochar, S.K., Kochar, D.K., Das, A. 2014. Dataset of natural antisense transcripts in *P. vivax* clinical isolates derived using custom designed strand-specific microarray, *Genomics Data*, 2; 199-201.
21. Subudhi, A.K., Boopathi, P. A., Garg, S., Middha, S., Acharya, J., Pakalapati, D., Saxena, V., Mohammed, A., Orekondy, H.B., Mugasimangalam, R.C., Sirohi, P., Kochar, S.K., Kochar, D.K., Das, A. 2014. An in vivo transcriptome data set of natural antisense transcripts from *Plasmodium falciparum* clinical isolates. *Genomics Data*, 2; 393-395.
22. Kochar, D.K., Das, A., Kochar, A., Middha, S., Acharya, J., Tanwar, G.S., Pakalapati, D., Subudhi, A.K., Boopathi, P.A., Garg, S. and Kochar, S.K. 2014. A prospective study on adult patients of severe malaria caused by *Plasmodium falciparum*, *P. vivax* and mixed infection from Bikaner, northwest India *J Vector Borne Dis* 51, (3), 200-210.
23. Kajla M, Kakani P, Choudhary TP, Gupta K, Dhawan R, Gakhar SK, Gupta L, Kumar S. 2014. Characterization of *Anopheles* unique peroxidase and its role in the regulation of *Plasmodium* development. *Malaria Journal*, 13(Suppl 1):P49.
24. Prakash Sarwa, Sanjay Kumar Verma. 2014 Recovery and Recycling of Zn(II) from Wastewater by *Scenedesmus* sp. MCC 26 Isolated from a HeavyMetal Contaminated Site CLEAN Soil, Air, Water 2014, 42 (9), 1298–1303.
25. Venkatesan N, Deepa P, Vasudevan M, Khetan V, Reddy AM, Krishnakumar S. Integrated Analysis of Dysregulated miRNA-gene Expression in HMGA2-silenced Retinoblastoma Cells. *Bioinform Biol Insights*. 2014 Sep 4;8: 177-91.
26. Bhuvanansundar R, John A, Sulochana KN, Coral K, Deepa PR, Umashankar V. A molecular model of human Lysyl Oxidase (LOX) with optimal copper orientation in the catalytic cavity for induced fit docking studies with potential modulators. *Bioinformation*. 2014 Jul 22;10 (7):406-12.

PATENTS:

1. G Rajahari, S C Bose, V K Choubey and S K Verma. A protein biosensor based biologically active arsenic species detection system and method thereof. App no. 3476/DEL/2014 dated 01-12-2014.

C. CONFERENCES ATTENDED/ PAPERS PRESENTED:

1. Sidhu GK, Mehrotra S and Mehrotra R (2014) Characterization of RubisCO and Carbon Concentration (CCM) proteins of *Gloeobacter violaceus* PCC7421 FAF-115, *International Conference on Emerging Trends in Biotechnology, ICETB 2014*. November 6-9, 2014, School of environmental sciences. Jawaharlal Nehru University and Biotech Research Society of India, JNU, New Delhi, India.
2. Nogia P, Mehrotra R and Mehrotra S (2014) Introducing cyanobacterial bicarbonate transporter gene (BicA) into inner envelope of C3 plant chloroplast to enhance carboxylase activity of RubisCO. FAF-114, *International Conference on Emerging Trends in Biotechnology, ICETB 2014*. November 6-9, 2014, School of environmental sciences. Jawaharlal Nehru University and Biotech Research Society of India, JNU, New Delhi, India.
3. Vandana, Mehrotra R, and Mehrotra S. Approaches for transplastomic integration of SbtA- a high affinity sodium bicarbonate transporter to C3 plants for enhanced CO₂ fixation. FAF-116. *International Conference on Emerging Trends in Biotechnology, ICETB 2014*. November 6-9, 2014, School of environmental sciences. Jawaharlal Nehru University and Biotech Research Society of India, JNU, New Delhi, India.
4. Bhalothia P, Alok A, Sharma B, Mehrotra S and Mehrotra R (2014) Cloning and characterization of protein phosphatase 2C (PP2C) like promoter from *Arabidopsis thaliana*. FAF-27, *International Conference on Emerging Trends in Biotechnology, ICETB 2014*. November 6-9, 2014, School of environmental sciences. Jawaharlal Nehru University and Biotech Research Society of India, JNU, New Delhi, India.
5. Renganaath KK, Pandey S, Mehrotra S and Mehrotra R (2014) Revisiting endosymbiosis in the light of nuclear mitochondrial cross talks mediated by the members of the telomere system. FAF-135, *International Conference on Emerging Trends in Biotechnology, ICETB 2014*. November 6-9, 2014, School of environmental sciences. Jawaharlal Nehru University and Biotech Research Society of India, JNU, New Delhi, India.
6. Mehrotra S and Trivedi PK (2014) Light regulates the splicing of the petB and petD introns of the psbB operon in *Populus deltoides*. *PLANT BIOLOGY EUROPE, FESPB/EPSO 2014 Congress*. The Convention centre, Dublin, Ireland, June 22-June 26, 2014.
7. Rajesh Mehrotra and Vishesh Jain: Genome wide analysis of *Arabidopsis thaliana* reveals high frequency of AAAg(N)7CTTT motif. *PLANT BIOLOGY EUROPE, FESPB/EPSO 2014 Congress*. The Convention centre, Dublin, Ireland, June 22-June 26, 2014.
8. Jain, N., Bhargava, A. and Panwar, J. 2014. Protease-assisted synthesis and stabilization of spherical silver nanoparticles: a novel template to study protein-nanoparticle interactions. In: *International Conference on Nanotechnology in the Service of Health, Environment & Safety (NanoSciTech 2014)*, February 13-15, 2014, Panjab University, Chandigarh, India.
9. Jain, N., Bhargava, A. and Panwar, J. 2014. Mycogenic protein-capped zinc oxide nanoparticles and their photocatalytic activity. In: *International conference on Biotechnology & Bioengineering (ICBB-2014)*, October 29-30, 2014, BITS Pilani, Dubai Campus, Dubai, p. 18.
10. Solanki, P., Bhargava, A., Jain, N. and Panwar, J. 2014. Catalytic efficacy of biosynthesized gold nanoparticles. In: *National conference on Nano-Functional Material (NFM-2014)*, November 7-8, 2014, BITS Pilani, Pilani Campus, Pilani, p. 90.
11. Bhargava, A., Solanki, P., Jain, N. and Panwar, J. 2014. Effect of iron oxide nanoparticles on the growth and biomass. In: *International Conference on Emerging Trends in Biotechnology (ICETB-2014)*, November 6-9, 2014, Jawaharlal Nehru University, New Delhi.
12. Asati, V. and Sharma, P.K. 2014. Reporting an isoflavone glycoside-hydrolyzing β -glucosidase from *Prosopis cineraria*. In: *International Conference on Frontier Discoveries and Emerging Opportunities In Life Sciences (FDEOLS)*, Feb 13-15, 2014, School of Biosciences, Dr. H.S. Gour Central University, Sagar, Madhya Pradesh, India.
13. Kabra S. and Sharma, P.K. 2014. Purification and characterization of a novel β -galactosidase from *Cyamopsis tetragonoloba*. In: *International Conference on Frontier Discoveries and Emerging Opportunities In Life Sciences (FDEOLS)*, Feb 13-15, 2014, School of Biosciences, Dr. H.S. Gour Central University, Sagar, Madhya Pradesh, India.
14. Jha, P., Jha, P.N., Panwar, J. (2014) Adaptation strategies in *Pseudomonas* sp. PJ14 thriving in extreme conditions of organic pollutants: membrane is mastermind. In: *XVI International Biodeterioration and Biodegradation symposium* held in Lodz, Poland (September 2-5, 2014), Abstract Book, p130.

15. Jha, P.N., Yanni, Y.G., Stedtfeld, T., Stedtfeld, B., Goma, A-B., Gantner, S., Benli, C. Hashsham, S. and Dazzo, F.B. (2014). Inoculation with plant growth-promoting *Rhizobium* biofertilizer and urea N fertilizer treatments Restructure the endophytic microbiome of rice roots grown in soil. In: *114th General meeting, American Society of Microbiology*, held in Boston, USA (May 17-20, 2014), Program Book, p1738.
16. Singh, R., Jha, P.N. Mitigation of temperature stress by ACC deaminase bacteria isolated from desert region of Rajasthan. In: *National conference on Recent trends and future prospects of microbiology and biotechnology* (3-4 March 2014). Shri J J T University. (OP-07) (Best oral award).
17. Singh, R., Jha, P.N. Role of ACC deaminase in stress agriculture. In: National seminar on "Next generation sciences: Vision 2020 & Beyond". Held at M.D. University Rohtak, Haryana (8 March 2014).
18. Asha Jakhar*, Nisha Janjir, and Santosh Kumar Padhi, 'Exploring regional plant hydroxynitrile lyases as potential stereoselective biocatalysts' - Presented in "International Conference in Emerging Trends in Biotechnology (ICETB -2014)" New Delhi, India from 6th -9th November 2014.
19. Dubey, B., Dubey, P., and Dubey, U.S. 2014. Dynamics of an SIR model with Beddington De Angelis type incidence rate and saturated treatment rate. In: *International Conference on Mathematical Modeling and Computer Simulation with Applications*. IIT Kanpur during December 31, 2013 – Jan 2, 2014, IIT Kanpur.
20. Runthala, A., and Chowdhury, S, 2014. Iterative Optimal TM_Score and Z_Score Guided Sampling Significantly Improves Model Topology. In: *International Multi Conference of Engineers and Computer Scientists (HongKong 2014)*, March 12-14, 2014, HongKong, p. 123-128.
21. Palvai S., Mapara N., Nagraj J., Chowdhury R., and Basu S. Targeting drug resistance in cancer by vitamin D3 hybrid nano particles. Science Day Poster Presentation at Department of Chemistry, Indian Institute of Science Education and Research (IISER), Pune, India.
22. Pasha, S. Alam, P. Dash, S. Kaur, G. Banerjee, D. Chowdhury, R. Rath, N. Choudhury, R.A. and Laskar, I.R. Design and Syntheses of 'Aggregation Induced Emission' Active Cyclometalated Platinum(II) Complexes and their Biological Applications. Poster presentation at Conference in IISER, Mohali, India.
23. Garg, S., Saxena, V., Pala, Z., Saggi, G.S., Kochar, S.K., Kochar, D.K. and Das, A. Characterization of putative and hypothetical proteins involved in Fe-S cluster biogenesis in *Plasmodium vivax*; In *12th International Conference on Molecular Epidemiology and Evolutionary Genetics of Infectious Diseases*. December 11-13, 2014 at The Royal River Hotel, Bangkok organized by Elsevier.
24. Garg, S. Pala, Z., Saggi, G.S., Kochar, S.K., Pareek, R.P., Kochar, D.K., Das, A. and Saxena, V.' Characterization Of Major Components Of Fe-S Cluster Biogenesis In *Plasmodium vivax*; in TROPACON 2014 organized by Regional Medical and Research Centre Dibrugarh from 20-22 Nov. 2014.
25. Gupta L, Gupta K, Dhawan R, Kumar S, Kakani P, Kajla M, and Choudhury TP. 2014 *Anopheles* STAT pathway duplication and its role in immunity against *Plasmodium*. VIIIth National conference of Indian Academy of Tropical Parasitology (TROPACON-2014), November 20-23, 2014, Dibrugarh, Assam, India.
26. Dhawan R, Soam A, Gupta K, Kajla M, Kakani P, Choudhury TP, Kumar S, Gupta L. Role of Mosquito Immunity against Parasite Development: An Expedition of Potent Immune Molecules of *Anopheles* Mosquitoes. VIIIth National conference of Indian Academy of Tropical Parasitology (TROPACON-2014), November 20-23, 2014, Dibrugarh, Assam, India.
27. Kakani P, Kajla M, Gupta K, Dhawan R, Choudhury TP, Gupta L and Kumar S. Characterization of *Anophelines* Peroxidase- Role in Development and Immunity against Blood-borne antigens. VIIIth National conference of Indian Academy of Tropical Parasitology (TROPACON-2014), November 20-23, 2014, Dibrugarh, Assam, India.
28. Choudhury TP, Kajla M, Gupta K, Dhawan R, Kakani P, Gupta L and Kumar S. Exploring the role of *Anopheles stephensi* Heme Peroxidase in Mosquito Innate Immunity. VIIIth National conference of Indian Academy of Tropical Parasitology (TROPACON-2014), November 20-23, 2014, Dibrugarh, Assam, India.
29. Vaswani D, Kajla M, Kakani P, Dhawan R, Gupta K, Choudhury TP, Gupta L and Kumar S. Characterization of Inhibitory Effects of Herbal Extracts on *Aedes aegypti* Egg Chorion Melanization and Hardening. VIIIth National conference of Indian Academy of Tropical Parasitology (TROPACON-2014), November 20-23, 2014, Dibrugarh, Assam, India.

30. Kumar S, Kakani P, Kajla M, Gupta K, Choudhury T.P, Dhawan R, and Gupta L. Compartment-specific immune responses in malaria vector determine the vectorial capacity. 25th National Congress of Parasitology on "Global Challenges in the Management of Parasitic Diseases (GCMPD)", Central Drug Research Institute (CDRI), OP 27, 16-18th Oct. 2014, Lucknow, UP, India.
31. Gupta K, Dhawan R, Kajla M, Choudhury T. P, Kakani P, Kumar S. and Gupta L. Genomic diversity of STAT (Signal Transducer and Activator of Transcription) gene in different *Anopheles* mosquito species. 25th National Congress of Parasitology on "Global Challenges in the Management of Parasitic Diseases (GCMPD)", Central Drug Research Institute (CDRI), YS 2, 16-18th Oct. 2014, Lucknow, UP, India.
32. Gupta L, Gupta K, Dhawan R, Kajla M, Bihani A, Kumar S. Duplication of evolutionary conserved STAT transcription factor in *Anopheles stephensi* and its role in mosquito immunity. Host-Parasite Interactions, Biology of. Gordon Research Conference, 8- 13 June 2014 Salve Regina University in New port, RI, United States.
33. Sharma P. K., Singh S and Chowdhury, S, 2014. *In-silico* analysis of Nitrogen assimilation pathways of *Arthrospira platensis*. In: *International Conference on Proteomics from discovery to function (IIT Mumbai)*, December 7-9, 2014, Mumbai.
34. Sharma P. K., Singh S and Chowdhury, S, 2014. Structural and sequence profiling of human miRNA for effective clustering. In: *Conference on Informatics and integrative Biology (Bose Institute Kolkata)*, December 17-19, 2014, Kolkata.
35. Senthil N & S K Verma (2014) Investigation of *Chlorella* sp. SSKV1, a new species under normal and stress condition for biodiesel production in Symposium on Biotechnology and Stress Biology of Algae and Cyanobacteria, February 24-26, 2014, Banaras Hindu University.
36. Prakash Sarwa and S K Verma (2014) Removal of Malachite Green Dye from aqueous Solution by Green Microalgae *Acutodesmus obliquus* PSV 2: *Kinetic and Equilibrium studies*. International conference on Biotechnology & Bioengineering organized by Microbiologists society, Oct 29-30, 2014, BITS Pilani, Dubai campus.
37. S K Verma (2014) Biotechnology & Bioengineering; Basic vs Applied Research (Key Note address) International conference on Biotechnology & Bioengineering organized by Microbiologists society, India, Oct 29-30, 2014, BITS Pilani, Dubai campus.
38. S K Verma (2014) Metal-microbe interaction and its application in industries (Key note address) 4th Annual International Conference on Advances in Biotechnology Organized by GSTF, March 10-11, 2014 at BITS Pilani, Dubai campus.
39. Prakash Sarwa & S K Verma (2014) Toxicity assessment of Zn (II) solution treated with microalgae *Scenedesmus* sp. MCC 26 using Swiss albino Mice. 4th Annual International Conference on Advances in Biotechnology Organized by GSTF, March 10-11, 2014 at BITS Pilani, Dubai campus.
40. Talk: Ashis Das, P.A. Boopathi, Amit Kumar Subudhi, Shilpi Garg, Sheetal Middha, Jyoti Acharya, Deepak Pakalapati, Vishal Saxena, Mohammed Aiyaz, Harsha B Orekondy, Bipin Chand, Raja C. Mugasimangalam, Sanjay K. Kochar, Parmendra Sirohi, Dhanpat K. Kochar. Making sense out of antisense in clinical isolates of the *Plasmodium* spp.
41. Isha Pandey, Ramandeep Kaur, Amit Kumar Subudhi, P.A.Boopathi, Sheetal Middha, Jyoti Acharya, Sanjay Kochar, Dhanpat Kochar, Ashis Das. Comparative Genome Analysis of *Plasmodium falciparum* isolates from India.
42. Ramandeep Kaur, Isha Pandey, P.A Boopathi, Amit Kumar Subudhi, Sheetal Middha, Jyoti Acharya, Sanjay Kochar, Dhanpat Kochar, Ashis Das. *Plasmodium vivax* clinical isolates: A glimpse into genomic variations from the Indian Subcontinent.
43. A. K Subudhi, P. A Boopathi, S Garg, S. Middha, J. Acharya, D. Pakalapati, V. Saxena, M. Aiyaz, H.B Orekondy, R.C Mugasimangalam, S. K Kochar, P. Sirohi, Dhanpat Kochar, and Ashis Das, "Genome wide identification of natural antisense transcripts in *Plasmodium falciparum* clinical isolates" FEBS EMBO-2014 Meeting, Palais Des Congress, Paris, France.
44. P. A. Boopathi, A. K. Subudhi, S. Garg, S. Middha, J. Acharya, D. Pakalapati, V. Saxena, M. Aiyaz, B. Chand, R.C Mugasimangalam, Sanjay Kochar, P. Sirohi, Dhanpat Kochar, and Ashis Das, "Discovery of natural antisense transcripts in *Plasmodium vivax* isolates" FEBS EMBO-2014 Meeting, Palais Des Congress, Paris, France.
45. Saxena, V., Garg, S., Saggi, G.S., Pala, Z., Kochar, S.K., Kochar, D.K.. Characterization of Isoprenoids biosynthesis pathway enzymes from Indian *Plasmodium vivax* field isolates; In 12th International Conference on Molecular Epidemiology and Evolutionary Genetics of Infectious Diseases. December 11-13, 2014 at The Royal River Hotel, Bangkok organized by Elsevier, UK.

46. Saxena, V., Garg, S., Saggu, G.S., Pala, Z., Kochar, S.K., Kochar, D.K., Isoprenoids biosynthesis in *Plasmodium vivax*: few major players; in 25th National Congress of Parasitology jointly organized by CSIR-CDRI & The Indian Society For Parasitology, at CSIR-CDRI, Lucknow from Oct. 16-18, 2014.
47. Saggu, G.S., Garg, G.S., Pala, Z., Kochar, S.K., Saxena, V., Characterization of Isoprenoids biosynthesis pathway enzymes from Indian *Plasmodium vivax* field isolates. Presented at RTFPMB organised by Shri Jagdishprasad Jhabarmal Tiberwala University, Jhunjhunu, Rajasthan, from Mar 03-04, 2014.
48. Saggu, G.S., Garg, G.S., Pala, Z., Kochar, S.K., Saxena, V., Characterization of 4-Hydroxy-3-Methylbut-2En-1YI Diphosphate Synthase (GcpE) enzyme from *Plasmodium vivax*; in 8th National Congress of Indian Academy of Tropical Parasitology (TROPACON 2014) at Regional Medical Research Centre (RMRC), Dibrugarh, from Nov. 20-22,2014.
49. Pala, Z. R., Garg, S., Saggu, G. S., Saxena, V., Characterization of nuclear encoded hypothetical proteins involved in *Plasmodium vivax* apicoplast metabolic pathways. Presented at Recent Trends and Future Prospects of Microbiology and Biotechnology organized by Shri Jagdishprasad Jhabarmal Tiberwala University, Jhunjhunu, Rajasthan, from March 03-04, 2014.
50. Pala, Z. R., Garg, S., Saggu, G. S., Kochar, S. K., Saxena, V., Characterization of a nuclear encoded hypothetical protein involved in Fe-S cluster biogenesis in *Plasmodium vivax*. Presented at 25th National Congress of Parasitology jointly organized by CSIR-CDRI & The Indian Society For Parasitology, at CSIR-CDRI, Lucknow from Oct. 16-18, 2014.
51. M. Sangeetha, P.R. Deepa, S. Krishnakumar, Dysregulation of stem cell markers in *fasn* gene silenced retinoblastoma cells. Presentation at the Conference and 21st Annual Meeting organized by the Indian Eye Research Group (IERG), at LV Prasad Eye Institute, Hyderabad during July 26 – 27, 2014.
52. Arun John, Umashankar V., Deepa P. R., Krishnakumar S. Structure-function relationship studies on human fatty acid synthase thioesterase domain and its inhibitors: an in silico approach. Presented at International conference on Crystal Growth and Biomolecular Crystallography (ICCGBC-2014), organized by SCBT & SEEE, during November 28-29, 2014 at SASTRA University.

D. BOOKS PUBLISHED/EDITED /BOOK CHAPTERS DURING THE YEAR:

1. Jha, P. and Jha, P.N. 2014. Plant – microbe partnerships for enhanced biodegradation of polychlorinated biphenyls. In: Plant Microbe symbiosis- Applied facets. Vol. II. Arora NK (ed.) Springer, USA.
2. Uma S. Dubey and Anyaa Mittal. 2013. Counteracting Microbes. In Advances in Biotechnology: A practical Approach. Dhingra, H.K., Jha, P.N. and Bajpai, P.S. (Eds.), Nova Publishers, New York .pp 15-32.
3. Mukherjee S., Verma S.K., Chowdhury R. Submitted a book chapter on " Arsenic Extrusion by Filtration Processes" for the book "Arsenic Toxicity: Remediation and Treatment", to be published by CRC press, Taylor & Francis, Boca Raton, Florida" (Galley proof awaited).
4. Minu Kesheri, Swarna Kanchan, Shibasish Chowdhury, and Rajeshwar Prasad Sinha. 2015. Secondary and tertiary structure prediction of proteins: A Bioinformatics approach. In: Complex System Modelling and Control Through Intelligent Soft Computations Studies in Fuzziness and Soft Computing, Volume 319, Quanmin Zhu and Ahmad Taher Azar (Eds.), Springer International Publishing Switzerland, pp 541-569.
5. Minu Kesheri, Swarna Kanchan and Shibasish Chowdhury, 2014, Cyanobacterial Stresses: An Ecophysiological, Biotechnological & Bioinformatic Approach. LAP LAMBERT Academic Publishing.

E. CONFERENCES, SEMINARS & WORKSHOPS CONDUCTED

Department of Biological Sciences had conducted “*National Workshop on Molecular Techniques: Cell to DNA (MTCD-2014)*” during April 10-12, 2014 at BITS Pilani, Pilani Campus, India.

F. INVITED TALKS GIVEN BY BITS FACULTY

1. Dr Rajesh Mehrotra gave an invited talk in Institute of Agricultural Sciences, Banaras Hindu University on 11th Feb 2014. The title of the talk is Promoter activation by ACGT in response to salicylic acid and abscisic acids is differentially regulated by the spacing between two copies of the motif.
2. Jitendra Panwar: Development of “bioinspired” protocols for fabrication of nanoparticles. In: Training Course on Nanoparticle production, characterization and utilization in agriculture, Central Arid Zone Research Institute, Jodhpur, India. March 9-19, 2014. (Expert Lecture).

3. Santosh Kumar Padhi: Regional Science Congress 2014 organized by Navodaya Vidyalaya Samiti, Jaipur Region, Jawahar Navodaya Vidyalaya, Kajra, Jhunjhunu, Rajasthan, India, Inspired lecture on "Enzymes, Why are they so important?" November 11th 2014.
4. Sandhya Marathe: Modulation of bacterial pathogenesis by curcumin at Department of Biotechnology, Indian Institute of Technology, Roorkee, 24th May, 2014.
5. Sandhya Marathe: Regional Science Congress 2014 organized by Navodaya Vidyalaya Samiti, Jaipur Region, Jawahar Navodaya Vidyalaya, Kajra, Jhunjhunu, Rajasthan, India, Inspired lecture on "A story of conservation" November 14th 2014.
6. Sandhya Mehrotra: Regional Science Congress 2014 organized by Navodaya Vidyalaya Samiti, Jaipur Region, Jawahar Navodaya Vidyalaya, Kajra, Jhunjhunu, Rajasthan, India, Inspired lecture on "Fascinating inventions in biology" November 14th 2014.
7. Shilpi Garg: Drug Resistance in Severe Plasmodium vivax malaria: Special emphasis on Bikaner, Rajasthan. Recent Trends and Future Prospects of Microbiology and Biotechnology organized by Department of Biosciences, Shri JJJT University, Jhunjhunu, Rajasthan, March 3-4.
8. Gupta Lalita: Recombinant DNA: The Building Stone of Modern Bio-Technology. National Workshop on Animal Cell Culture & Related Molecular Biology Techniques (ACCMBT), Department of Biotechnology, IIS University, Jaipur, August 04-08, 2014.
9. Kumar Sanjeev. *Animal cell culture: A technology for modern research*. National Workshop on Animal Cell Culture & Related Molecular Biology Techniques (ACCMBT), Department of Biotechnology, IIS University, Jaipur, August 04-08, 2014.
10. S K Verma (2014) Metal-microbe interaction and its Industrial application (Plannary lecture) in Symposium on Biotechnology and Stress Biology of Algae and Cyanobacteria, Banaras Hindu University, February 24-26, 2014
11. Ashis Das. Challenges and Ecstasy in Genomics with patient isolates: A case study from complicated malaria. Conference on Applying NGS, 11th September 2014. The Capitol Bangalore. Organized by Genotypic.
12. Ashis Das: Making Sense out of Antisense in *Plasmodium spp.* Kashmir University, Srinagar, January 10th, 2015.
13. Vishal Saxena: "Apicoplast as a putative drug target in malaria parasite *Plasmodium*", at Department of Animal Biotechnology, C. C. Haryana Agriculture University, Hisar on April 26, 2014

G. INVITED TALKS ARRANGED IN THE DEPARTMENT

1. Date: 22nd April 2014; Title of the talk: "What to conserve, why to conserve and how to conserve" Name: Josef Senn, Professor, Swiss Federal Research Institute WSL (Member of the Swiss scientific committee for the Convention on International Trade in Endangered Species of Wild Fauna and Flora). The talk was arranged online by Dr. Sandhya Marathe
2. Date: 26th August 2014; Title of the talk: "Plausible Origin of Photosynthetic Carbon Fixation Cycle" Name: Professor Akiho Yokota (Emeritus professor, Nara Institute of Science and Technology, Nara, Japan and Director, Plant Hi-Tech Institute, CO. Ltd., a university spin-off venture) The speaker was invited by Dr. Sandhya Mehrotra
3. Date: 26th August 2014; Title of the talk: "Development of Euglena produced materials and its derivatives" Name: Mr. Kengo Suzuki (Director of Research & Development and Director in euglena Co., Ltd., Bunkyo-ku, Tokyo, Japan). The speaker was invited by Dr. Sandhya Mehrotra
4. Date: Aug-Sep 2014; Prof. Suresh Arya, Program Director, Division of Cancer Treatment and Diagnosis, National Cancer Institute (NCI), NIH, USA delivered a series of lectures focusing on Current Perspectives of Stem Cell Biology as part of a course - 'Recent Development in Biology', along with Dr Rajdeep Chowdhury
5. Date 10th October; Title of the talk: How to make a super-hydrophobic bacterial raincoat" Name: Professor Cait McPhee (Edinburgh University) arranged by Dr. Rajesh Mehrotra
6. Date: 22nd November; Title of the talk: "Biology in the new world" Rakesh Tuli (Ex Director NBRI (CSIR), Lucknow and Founder Director NABI (DBT), Mohali, arranged by Dr. Rajesh Mehrotra
7. Date: 22nd November; Title of the talk: "Current trends in Bioprocess engineering" RS Sangwan (Executive Director, Bioprocess Unit Mohali), arranged by Dr. Rajesh Mehrotra & Dr. Pankaj Sharma

H. AWARDS AND RECOGNITIONS WON BY FACULTY AND STUDENTS

1. Rajesh Mehrotra received international travel award of DST 2014 for attending the conference in Dublin Ireland.

2. Rajesh Mehrotra reviewed paper for Plant molecular biology, Journal of molecular catalysis, B enzymatic.
3. Jitendra Panwar: Chaired a technical session as well as judge the poster session in *National Conference on Nano-Functional Material (NFM-2014)* scheduled during November 7-8, 2014 at BITS Pilani, Pilani Campus, India.
4. Jitendra Panwar: Chaired a technical session as well as received the Best Oral Presentation Award in International Conference on Biotechnology & Bioengineering (ICBB-2014) scheduled during October 29-30, 2014 at BITS Pilani, Dubai Campus, Dubai.
5. Jitendra Panwar: Convener, *National Workshop on Molecular Techniques: Cell to DNA (MTCD-2014)*, April 10-12, 2014, BITS Pilani, Pilani Campus, India.
6. Jitendra Panwar: Vice Chancellor's Nominee, Board of Studied, Amity Institute of Microbial Technology, Amity University, Jaipur, India.
7. Jitendra Panwar: Biography earned position in the renowned books published by Marquis Who's Who LLC, United States of America and International Biographical Center (IBC), Cambridge, England.
8. Prabhat Nath Jha: Raman Post-doctoral Fellowship under Indo-USA knowledge initiative program sponsored by University Grant Commission, New Delhi, India
9. Pankaj Kumar Sharma was the Organizing Secretary of the National Workshop on "Molecular Techniques: Cell to DNA" conducted by the Department of Biological Sciences, BITS Pilani, Pilani Campus from April 8 – 10, 2014 under the UGC-SAP.
10. Santosh Kumar Padhi: Outstanding Potential for Excellence in Research and Academics (OPERA) award by BITS Pilani. December 29th 2014.
11. Sandhya Marathe: received three papers for PloS ONE journal. Feb. - April 2014
12. Ashish Runthala's research details got published on the web by the HighBeam Business company, USA by Proteomics Department
13. Ashish Runthala: Got selected for the editorial board member for the following journals.
 - a. SM Group Open Access eBooks, 3126 Riverside station blvd. Secaucus, NJ 07094, USA
 - b. Scientific & Academic Publishing, USA.
 - c. Journal of Critical Reviews
 - d. International Journal of Scientific Footprints
 - e. International Journal of Applied Science and Biotechnology
 - f. Journal of Proteomics & Bioinformatics, OMICS Group USA
14. Ashish Runthala: Reviewed the
 - a. Conference proceedings articles for the International Conference on Electronic Design, Computer Networks & Automated Verification (EDCAV), to be held during January 29-30, 2015 at NEC Building, Shillong, Meghalaya.
 - b. Journal of Advances in Biology
 - c. International Journal of Bioscience, Biochemistry and Bioinformatics
 - d. International Research Organization of Computer Science
 - e. Proteomics articles for the following journals of Dove Medical Press Ltd, New Zealand
 - f. Advances and Applications in Bioinformatics and Chemistry
 - g. Advances in Genomics and Genetics
15. Ashish Runthala: One article, published in 2012, got recognized as the 5th best article printed so far since 2012 in the field of Protein Science, as per the notification of BioMedLib, LLC., Charlottesville, VA 22905-9998.
16. Ashish Runthala: One article presented in HongKong got selected as the phenomenal work and was invited for an extended article scheduled for publication by Springer.
17. Ashish Runthala: Got awarded the lifetime membership of The Institute of Doctors Engineers and Scientists.
18. Ashish Runthala: Got invited to be the lead editor of the special issue on the
 - a. Current Psychopharmacology journal from BenthamScience publishers.

- b. International Journal of Biochemistry and Biomolecules and International Journal of Computational Biology and Bioinformatics from Science Publishing Group
 - c. Scientifica Journal, Hindawi Publishing Corporation
 - d. Current Bionanotechnology journal from BenthamScience publishers.
19. Sanjeev Kumar:
- a. Ph.D Thesis Evaluation and examiner (JNU)
 - b. Ph.D. Thesis reviewer (LV Prasad Eye Institute)
20. Lalita Gupta:
- a. Paper Reviewed: Archives of Insect Biochemistry & Physiology. July 2014
 - b. Paper Reviewed: PLoS ONE. March 2014
 - c. Ph.D Thesis Evaluated and Externor Examiner (JNU October 2014)
 - d. M.Sc. External examiner for Biotech paper MDU Rohtak Jan 2014
21. S K Verma:
- a. Editor-in-chief, Proceeding of 4th Annual International Conference on Advances in Biotechnology Organized by Global Science and Technology Forum, Singapore.
 - b. Appointed as member of Court of CRS University, Jind.
22. Ashis Das: Ph. D. Thesis external examiner for students from CDRI-Lucknow, ICGEB-New Delhi, NII-New Delhi, Kashmir University, Srinagar.
23. Vishal Saxena was the Organizing Secretary of the National Workshop on “Molecular Techniques: Cell to DNA” conducted by the Department of Biological Sciences, BITS Pilani, Pilani Campus from April 8 - 10, 2014 under the UGC-SAP.
24. Mr. Rajnish Singh received best oral award in National conference on Recent trends and future prospects of microbiology and biotechnology
25. Mr. Gagandeep S. Saggu won the Young Scientist Award for best oral presentation in National Conference ‘RTFPMB’ organised by Shri J. J. Tiberwala University, Jhunjhunu, Rajasthan, from Mar 03-04, 2014.
26. Ms. Zarna R. Pala:
- a. Won the 2nd Best Poster Award in the National Conference on Recent Trends and Future Prospects of Microbiology and Biotechnology organized by Shri J. J. Tiberwala University, Jhunjhunu, Rajasthan, from March 03-04, 2014.
 - b. Won the Best Poster Award at the 25th National Congress of Parasitology jointly organized by CSIR-CDRI & The Indian Society for Parasitology, at CSIR-CDRI, Lucknow from Oct. 16-18, 2014.

I. FACULTY DEVELOPMENT, INTERNATIONAL COLLABORATION & INDUSTRY IMMERSION

1. Rajesh Mehrotra initiated collaboration with Prof. Akhio Yokota, NARA Japan.
2. Rajesh Mehrotra has international collaboration with Prof. Mitsuhiro Yanagida, OIST Japan.
3. Sandhya Mehrotra initiated collaboration with Prof. Akhio Yokota, NARA Japan, and has submitted a feasibility study project to JST.
4. Pankaj Kumar Sharma: Attended workshop on Neuro Linguistic Programming (NLP), organized by Shinota Consultancy, 3-9th August, 2014, Karjat, Mumbai.
5. Uma S. Dubey visited National Institute of Pathology, New Delhi to further enhance multidisciplinary research collaboration.
6. Sandhya Marathe visited Indian Institute of Science, Bangalore, to establish collaboration and has submitted a joint-project to EMR-DST.
7. Ashis Das: On going discussions with Tulip Industries, GOA on DIAGNOSTICS. Confidentiality Agreement already signed.
8. P R Deepa:
 - a. As an off-campus faculty, she have been interacting with industry professionals and mentoring our students pursuing Practice School courses (PS-I and PS-II) in the industry & research labs (biotech and pharma). Some of these organizations are: Hyderabad: Centre for DNA Diagnostics &

Fingerprinting (CDFD), CSIR-Indian Institute of Chemical Technology (IICT), Mylan Laboratories; Bangalore: National Centre for Biological Sciences (NCBS), Beckman Coulter India Pvt Ltd ; Chennai: Sankara Nethralaya, CSIR-Central Leather Research Institute (CLRI).

- b. Involved in teaching courses (Geriatric Optometry; Recent Advances in Optometry) for WILP collaborations with Elite School of Optometry (Sankara Nethralaya), and programme coordination of MS (Software Engg) with Aricent Technologies, and MS (Engg Management) with Technip India Pvt Ltd, an EPC company.
- c. Participated in the Inter-disciplinary research workshop at KK Birla Goa Campus , 14-15 Nov 2014.
- d. Since 2014, have been part of the WILP Transformation – Faculty stream.
- e. Trained Assessor for Guest Faculty assessment and recruitment (by MERCER – WILPD team).

J. SIGNIFICANT NEW EQUIPMENTS/ EXPERIMENTAL FACILITY ADDED DURING THE YEAR

Purchased FPLC, Deep freezer (-70°C), vacuum concentrator, multistack-orbital shaker and nanodrop

K. DEPARTMENTAL ASSOCIATION/ CLUB ACTIVITIES

Biological Society

The Biological Society in its traditional way executed APOGEE-2014, showing the recent development in modern biology through excellent working and non-working models. Senior members of the Biological Society have also been involved in orientation for freshly joined students and discussions regarding the future scope of Biology and Biotechnology. Other traditional activities such as welcome for new members, B1 alfresco and farewell for graduating students were also organized.

The society got the new momentum by starting the wall magazine named "**Biologue**".

L. STUDENTS ACTIVITIES, ACHIEVEMENTS, SCHOLARSHIPS, CULTURAL AND ACADEMIC FESTIVALS

- **Status of M.E. (Biotech) batch graduated:**

Name	Current Prospects
Debabrat Sabat	Ph.D at NIT-Rourkela
Aayushi Jain	Placed in Segacious Gurgaon
Zara Bukhari	Ph.D at IIT Kanpur
Dharna Kachroo	Placed at Beckman Coulter, Bangalore
Aatif Mehraj Kababi	Placed at Kinapse Gurgaon
Vipul Vijay Udpure	Ph.D at CCMB, Hyderabad
Mohd. Golam Abdul Quadir	Ph.D at IIT Guwahati
Swati Kabra	Placed at Stellarix, Jaipur

- **Workshops/training attended by students:**

Vidushi Asati attended "5 days hands-on workshop on Molecular Biotechnology and Bioinformatics" at "International Centre for Stem Cells, Cancer and Biotechnology", Pune, India from 24th-28th November 2014.

B1.10.2 Department: Civil Engineering

Number of faculty members (as on 31 December 2014)

Professors & Senior Professors	04
Associate Professors	01
Assistant Professors	10
Lecturers	01
Visiting Faculty	-

Head of the Department : Dr. Manoj Kumar

Contact details : manojkr@pilani.bits-pilani.ac.in

Number of PhD Scholars : 12

Ph.D. Thesis Submitted during the year : 00

B. SPONSORED RESEARCH ACTIVITIES**(i) Projects Sanctioned during the year 2014**

S.No.	Project Title	Principal/ Co-Principal Investigator	Sponsored Organization	Amount sanctioned (Rs. In Lacs)
1.	Roof top Rainwater Harvesting for Safe, Potable and Healthy Drinking Water and Ground Water Replenishment for BITS Pilani, Pilani campus	Rajiv Gupta	BITS, Pilani, CoE-WWE	91.00
2.	Zinc Recovery from Industrial Waste using Bioleaching.	Suresh Gupta (CHE) S.K. verma (BIO) Anupam Singhal	BITS Pilani CoE-WWE	48.00
3.	Development of Copper Bio-Leaching methodology/technique from tailing waste at Hindustan Copper Limited, Khetri	Anupam Singhal S.K. verma (BIO)	Ministry of Mines, New Delhi	30.00
4.	Potential of Marble Slurry as a Mineral Admixture in Concrete	Anshuman Dipendu Bhunia	DST, New Delhi	28.38
5.	Study of Structural Response and Strengths of Thin-Walled FRP Composite Girders," sponsored by Council of Scientific and Industrial Research	S. B. Singh	CSIR, New Delhi	18.00
6.	Dynamic buckling response of composite structures	S. N. Patel	CSIR, New Delhi	11.52

(ii) Ongoing projects (Sanctioned Prior to 2014):

S.No.	Project Title	Principal/ Co-Principal Investigator	Agency	Sanction (Rs. in Lacs)
1.	Aakash Ganga – A Social Enterprise Model for RWH and Agriculture of low water demanding economically important plant	Rajiv Gupta	DST, New Delhi	61.96
2.	Investigation of the Effect of Carbonation on the Properties of Concrete	Dipendu Bhunia S B Singh	DST, New Delhi	34.0
3.	Development and Usage of Innovative Ductile Composite Materials for Repair and Retrofitting of Concrete and Masonry Structures	S. B. Singh	DST, New Delhi	23.5
4.	Impact of PMGSY Roads on Accessibility in Rural Areas	A. K. Sarkar Ajit Pratap Singh	NRRDA, Ministry of Rural Development,	22.63

S.No.	Project Title	Principal/ Co-Principal Investigator	Agency	Sanction (Rs. in Lacs)
			Gov. of India	
5.	GIS based characterization of ground water in Shekhawati region of Rajasthan	Anupam Singhal Rajiv Gupta	DST, New Delhi	18.0
6.	Mobilization of Metals from Copper Mine Tailings of Khetri Copper Mine, Rajasthan and their Attenuation by Soil: Groundwater Pollution Implications	Sanghamitra Kundu	DST, New Delhi	11.27
7.	Strengthening of Local Soil using Fly Ash	Kamalesh Kumar	UGC, New Delhi	2.0
8.	Micromodel Experiments Demonstrating Gravity and Capillary Dominated Immiscible Flow of Mercury in Porous Media	Shibani K Jha	BITS Research Initial Grant	2.0

(iii) Projects completed this year

S.No.	Project Title	Principal/Co-principal Investigator	Agency	Sanction (Rs. in Lakhs)
1.	Aakash Ganga – A Social Enterprise Model for RWH and Agriculture of low water demanding economically important plant	Rajiv Gupta	DST, New Delhi	~62.0
2.	Development and Usage of Innovative Ductile Composite Materials for Repair and Retrofitting of Masonry Structures	S.B. Singh	Aditya Birla Group	10.0
3.	A study on sludge minimization during the treatment of pickling effluent and sludge utilization	Anupam Singhal Rajiv Gupta	Aditya Birla Group	10.0

(iv) Ongoing Consultancy Projects:

S.No.	Project Title	Sponsored by	Sanction Amount	Investigators
1.	Road Safety Audit for Ringus-Sikar stretch of NH-11 (43.887 km)	National Highway Authority of India, (NHAI)	18.11 lacs	Prof. A K Sarkar Prof. A P Singh Dr. Amit Goel

(iv) Consultancy Projects completed this year:

Civil Engineering department undertaken more than 7 lacs consultancy works from government and departments such PWD, DRDO etc. and completed successfully.

C. PUBLICATIONS**Papers published by Faculty In Journals**

- Shalini K., A.K Sarkar, Ajit Pratap Singh and S.S. Arkatkar, Quantification of Accessibility to Health Facilities in Rural Areas, J. Case Studies on Transport Policy, Elsevier, doi:10.1016/j.cstp.2014.08.004, 2014, 1-10.
- Balaji P., rajesh Reddy, Dewal Mishra, Shriniwas Arkatkar, Ashoke Kumar Sarkar, 'Effect of Induced Traffic on Feasibility of Highway Projects using Economic Analysis: A Case Study in India Case Studies on Transport Policy- A supplementary Journal to Transport Policy, Elsevier, 2014 doi:10.1016/j.cstp.2014.04.005, 1-8
- Comparative thermal performance of static sunshade and brick cavity wall for energy efficient building envelope in composite climate, Meghana Charde, Sourabh Bhati, Ayushman Kheterpal, Rajiv Gupta, Thermal Science International Scientific Journal, Vol. 18, No. 3, 2014, 925-934.
- Singh A. N., Anupam Singhal, Rajiv Gupta, Land Use/ Land Cover information at various scales of Remote sensing data of Jhunjhunu District, Rajasthan, Journal of Remote sensing & GIS, Vol 5 (1), 2014, 43-54.
- Sports Infrastructures and Performance in Universities, Pintu Modak and Rajiv Gupta, University News: A Weekly Journal of Higher Education, Association of Indian Universities, Vol 52 No 39 September 29-October 05, 2014, 10-14.

6. A small discussion on microwave application for groundwater exploration: A review, Singh A.N, Anupam Singhal, Rajiv Gupta, International journal of Geomatics and Geosciences, Volume 3, No 3, 2014, 474-485.
7. A review on spent pickling liquor, Anuradha Devi, Anupam Singhal, Rajiv Gupta, International Journal of Environmental Sciences Volume 4, No 3, 2014, 284-295.
8. Plant indication of salinity in Shekhawati region of Rajasthan, India, Singh A N, Anupam Singhal, Rajiv Gupta, Frontier in Geosciences, Vol. 2, Issue 2, 2014, 2,18-22.
9. Anuradha Devi, Anupam Singhal, Rajiv Gupta , S.K Verma, Dr. Prasad Panzade, Martina Fernandes., Economic Treatment Method of Waste Pickling Liquor for Micro, Small and Medium Scale Enterprises, Journal of Water Pollution & Purification Research, 1(1), 2014, 1-8
10. S. B. Singh, Mahalakshmi, N. and Nikesh Thammishetti Mechanical properties of Recycled Coarse Aggregate (RCA) Concrete International Journal of Applied Engineering Research, 9, 2014, 363-372.
11. Sharma, B. K., and Ajit Pratap Singh, Combined heat and mass transfer by mixed convection magnetohydrodynamic (MHD) flow along a porous plate with chemical reaction in presence of heat source, International Journal of Physical Sciences, 9(18), 2014, 413-414.
12. Dubey S.K., D. Mishra, S. S. Arkatkar, Ajit Pratap Singh, A. K. Sarkar, Route Choice Modeling using Fuzzy Logic and Adaptive Neuro-fuzzy, J. Modern Traffic and Transportation Engineering Research (MTTER), 2(4) , 2014, 11-19.
13. Mittal R. K., and Gajinkar V., Evaluation of Soil-Structure Interaction Guidelines in Indian Seismic Codes”, International Journal of Civil Engineering and Technology (IJCIET), ISSN: 0976 – 6308 (Print), ISSN 0976 – 6316(Online), Vol.5, Issue.5, 2014, pp-97-104.
14. Jay Panchal and Dipendu Bhunia, Solution Of Shear Wall Location In Multistorey Irregular Building, Advancements in Structural Engineering, Materials, Design and Testing, Bloomsbury India Publication, Volume 5, December, 2014
15. Akash K. Walunj, Dipendu Bhunia, Samarth Gupta and Prabhat Gupta, Investigation of the Effect of Various parameters on the behavior of coupling beams, Current Advances in Civil Engineering (American V-King Scientific Publishing), 2(1), 2014, 1-5.
16. S.N.Patel, Nonlinear bending analysis of laminated composite stiffened plates, *Steel and Composite Structure*, 17(6), 2014, 867-890.
17. Muthukumar G and Manoj Kumar, Analytical modeling of damping, The Indian Concrete Journal, 88(9), 2014, 64-72.
18. Muthukumar G and Manoj Kumar, 'Failure criteria of concrete - A review', 'Computers and Concrete', 14(5), 2014, 503-526.
19. G Muthukumar and Manoj Kumar, 'Influence of Opening Locations on the Structural Response of Shear Wall, Journal of Nonlinear Dynamics', 2014, 1-18.
20. Anuradha Devi, Anupam Singhal, Rajiv Gupta, Dr. Prasad Panzade, 'A Study on treatment methods of spent pickling liquor generated by pickling process of mild steel Cleaner Technology and Environmental Policy, Springer, 16(8), 2014, 1515-1527.

D. PAPERS PUBLISHED BY FACULTY IN CONFERENCES:

1. Shalini K., A. K. Sarkar and Ajit Pratap Singh , Quantifying Accessibility to Health Care using Two-step Floating Catchment Area Method (2SFCA): A case study in Rajasthan, Elsevier Transportation Research Procedia: Proceedings of 11th International Conference Transportation Planning and Implementation Methodologies for Developing Countries (TPMDC), 10-12 December, 2014, Paper ID-147,IIT Bombay.
2. Rajiv Gupta, Rajesh Singh, 'Effect of Image Enhancement on Supervised Classification of Cartosat-1 Image Using Different Parametric Rules', User Interaction Meet-2014, National Remote Sensing Centre, ISRO, Balanagar, Hyderabad, January 20-21, 2014.
3. Ayush Agrawal, Rajiv Gupta, Sumit Kumar, Saurabh Bulchandani, Sourav Bhati, Aditya Kaushik, Design and Implementation of an Economic and Sustainable Rainwater Harnessing System for Rural Rajasthan, All India Seminar on Innovations in Green Building Technology, Jan 17 & 18, 2014, organized by The Institutions of Engineers (India) Nagpur Local Centre and Maharashtra State Centre, 18-22
4. Anuradha Devi, Anupam Singhal, Rajiv Gupta, S K Verma, Prasad Panzade, Martina Fernandes, 'Utilization of copper tailing and spent pickling liquor for improving the fertility of soil', 4th Annual International Conference on Advances in Biotechnology held at 10-11 March 2014 (Biotech 2014), BITS Pilani Dubai Campus.

5. Rajiv Gupta, Shrikant Maniyar, 'Mapping Solar Potential of West India: a GIS based analysis', Geospatial World Forum, Centre International Conferences Geneva Switzerland, 5-9 MAY 2014.
6. Rajiv Gupta, Saurabh Singhal, Anupam Singhal, 'Prediction of Global Solar Radiation in India using Artificial Neural Network', 9th Conference on sustainable Development of Energy, Water and Environment Systems, University of Zagreb and Cologne University of Applied, Sciences and Aalborg University; 20th - 27th Sept – 2014.
7. Manpreet Singh, Rajiv Gupta, Accident Black-Spot Validation using GIS, Esri India User Conference, Kempinski Ambience Hotel, Delhi, India, December 9-11, 2014.
8. Anuradha Devi, Anupam Singhal, S. K. Verma, Rajiv Gupta, A. N. Singh, Prasad Panzade, Martina Fernandes, Utilization of copper tailing and spent pickling liquor for improving the fertility of soil, 4th International Conference in Advances in Biotechnology held on 10-11 March 2014 (Biotech 2014), BITS Pilani Dubai campus , Dubai, 48-50.
9. Bartik Pandel, Anupam Singhal, Anuradha Devi, Comparison of Wastewater Quality Parameters in Algae, Water Hyacinth and Duckweed Based Treatment Systems, International symposium on Integrated Water Resources Management (IWRM-2014) held on Feb 19-21, 2014, Kozhikode, Kerala, India, 543-548.
10. S. B. Singh and Himashu Chawla Structural Response of Thin-walled FRP Laminated Mono-symmetrical I-Beams, CD Proc. of Structural Engineering Convention (SEC), December 22-24, 2014, New Delhi, India.
11. S. B. Singh, 'Response of Near Surface Mounted (NSM) CFRP Strengthened RC Beams' First International Conference on Mechanics of Composites, June 8-12, 2014, CD Proceedings, Stony Brook University, New York, USA
12. S. B. Singh, 'Himanshu Chawla, and Pankaj Munjal', Effect of Shear Deformation on Flexural Response of Laminated Composite I-Beam, First International Conference on Mechanics of Composites, June 8-12, 2014, CD Proceedings, Stony Brook University, New York, USA.
13. S. B. Singh and Himanshu Chawla, 'Stability of Thin-walled FRP Laminated Beams under Flexural Loading', Proceedings of NCSID, March 13-14, 2014, CD Proceedings, NITTTR, Chandigarh,
14. S. B. Singh, Siddharth Awasthi, Mohit Gupta, Penumarthi Kiran, Akhil Garg, In-Plane, Strengthening of Masonry Walls with Fibre Reinforced Polymer (FRP), Proceedings of NCSID, March 13-14, 2014, CD Proceedings, NITTTR, Chandigarh.
15. S. B. Singh, Siddharth Awasthi, Mohit Gupta, Penumarthi Kiran, Akhil Garg, Study on Improving the Resistance of Masonry Walls Subjected to Out of Plane Loads, Proceedings of NCSID, March 13-14, 2014, CD Proceedings, NITTTR, Chandigarh,
16. S. B. Singh, Mahalakshmi, N. and Nikesh Thammishetti, Mechanical properties of Recycled Coarse Aggregate (RCA) Concrete, 2nd International Conference On "Sustainable Innovative Techniques In Civil and Environmental Engineering (SITCEE), January 4-5, 2014. CD Proceedings at Jawaharlal Nehru University, New Delhi.
17. Singh, Ajit Pratap and and P. Shrivastava. A Comparative Study on Water Quality Assessment of a River Using AHP And PROMETHEE Techniques, 19th Hydro-2014 International Conference, Maulana Azad National Institute Of Technology Bhopal-(India), 18-20 December 2014, 880-890,
18. Narendran, R., Mittal R. K. and Viswanath, V., Analysis of Well Head Jacket Platform using SACS , Fifth Indian National Conference on Harbour and Ocean Engineering, 5-7 Feb., 2014, Goa, CD, Goa
19. K. Kumar & G. Vivek, Water Content Effect on Shear Strength Parameters in Coir Fiber Reinforced Pilani Soil, 3rd World Conference on Applied Sciences, Engineering and Technology (WCSET), Kathmandu, September 27-29, 2014, 124-126.
20. Sanghamitra Kundu, Adhiraj Singh Rathore, Agni Pushp and Vishal Singh Chundawat, 'Batch Investigations on Elemental Dissolution from Copper Mine Tailing Pond', Khetri, India: Evaluation of the Environmental Contamination Potential, IICBE Int'l Conference Proceedings of, *International Conference on Chemical, Civil and Environmental Engineering [CCEE' 2014]*, Singapore, 10 – 19.
21. Jay Panchal and Dipendu Bhunia, Solution Of Shear Wall Location In Multistorey Irregular Building, Structural Engineering Convention (SEC), December 22-14, 2014, IIT Delhi, India.
22. J.Senjalila and S.N.Patel, Analysis of a multi-storey building considering earthquake load and wind load effect, International Conference on Emerging Trends in Civil Engineering(ICETCE-2014), January 6-8, 2014, Dept. of Civil Engineering, VNR VJIE, Hyderabad , Andhra Pradesh.

23. A. V. Simha and S.N.Patel, 'Bending analysis of laminated composite plates using degenerated shell elements' International Conference on Emerging Trends in Civil Engineering(ICETCE-2014),January 6-8, 2014, Dept. of Civil Engineering, VNR VJIIET, Hyderabad , Andhra Pradesh.
24. S. N. Patel,Nonlinear Finite Element Bending Analysis of Composite Cylindrical Panels, 3rd World Conference on Applied Sciences, Engineering and Technology (WCSET-2014), 27-29,September-2014, WCSET-2014, Hotel Manang, Thamel, Kathmandu, NEPAL.
25. Y.D.Joshi and S.N.Patel, 'Economical Design of RCC Structural Members of 6-Story Building, Strategic Prospective and Advances in Civil Engineering (SPACE-2014), 14-15, November-2014,Dept of Civil Engineering, Eshan College of Engineering, Farah(Mathura), UP.
26. S.N.Patel, Nonlinear Finite Element Bending Analysis of Composite Shell Panels, Structural Engineering Convention (SEC-2014), 22-24, December-2014, Dept of Civil Engineering, IIT Delhi.
27. Y.D.Joshi and S.N.Patel, Economical Design of RCC Structural Members Using Standard Software Package and Excel Spread Sheets, Structural Engineering Convention (SEC-2014), 22-24, December-2014, SEC14AXI, Dept of Civil Engineering, IIT Delhi.
28. S.N.Patel, Buckling of laminated composite stiffened plates with partial in-plane edge loading, Sixth International Conference on Theoretical, Applied, Computational and Experimental Mechanics (ICTACEM-2014), 29-31, December-2014, 472, Dept. of Aerospace Engg., IIT Kharagpur.
29. Muthukumar G and Manoj Kumar, 'Influence of openings on the structural response of shear wall, Structural Engineering Convention (SEC), 9th Biennial Event, Under the Auspices of Indian Association for Structural Engineering, 22-24 December, IIT Delhi.
30. Muthukumar G and Manoj Kumar, 'Influence of opening size on the displacement response of squat shear walls', 5th International Congress on Computational Mechanics and Simulation (ICCMS), 10-13 December, Paper Id: 354, SERC, Chennai.

E. BOOKS/BOOK CHAPTERS PUBLISHED DURING THE YEAR

S. B. Singh, "Analysis and Design of FRP Reinforced Concrete Structures," McGraw-Hill Education Pvt. Ltd., New Delhi, 2014, 323 pp.

F. INVITED TALKS/KEY-NOTE LECTURES DELIVERED/SESSION CHAIRING BY FACULTY MEMBERS

1. Prof. A. K. Sarkar delivered invited talk on "Road Safety: Are we Heading Towards Disaster?", on 28 January 2014, at IIT Patna.
2. Prof. A. K. Sarkar delivered invited talk on "A Framework for the Use of Non-conventional Materials for the Construction of Low- Volume Roads". At Workshop on Application of Non-conventional Materials and Technologies in Rural Roads' 14-15 Feb 2014, IIT Bhubaneswar.
3. Prof. A. K. Sarkar delivered an invited talk on "Improving Quality of Detailed Project report of PMGSY roads" on 24th August 2014 at IIT Bhubaneswar.
4. Prof. S. B. Singh delivered an invited lecture at Rajathan Technical University, Kota on Innovative Application of FRP materials for Structures.
5. Prof. Ajit Pratap Singh attended an International conference on "Natural Treatment Systems for Safe and Sustainable Water Supply in India: Results from the "Saph Pani Project" at India Habitat Centre, Lodhi Road, New Delhi, organized by the University of Applied Sciences and Arts Northwestern Switzerland and National Institute of Hydrology Roorkee, India during 18-19 September 2014.

G. CONFERENCES, SEMINARS & WORKSHOPS CONDUCTED:

- Civil Engineering Department conducted a workshop on "Impact of PMGSY Roads on Accessibility in Rural Areas" which has been funded by the NRRDA at BITS Pilani on 5-6 September, 2014.
- Civil Engineering Department organized two workshops in association with Autodesk on 27th September and 18th October, 2014 to help the students to learn and understand the best digital design tools used Civil and Mechanical Engineering design in industries.

H. FACULTY DEVELOPMENT, INTERNATIONAL COLLABORATION & INDUSTRY IMMERSION

- Prof. A. P. Singh has been invited to be a Member of (i) Editorial board of ESSENCE – International Journal for Environmental Rehabilitation & Conservation (ISSN 0975 – 6272), and (ii) Editorial Advisory Board, Pollution Research.
- Dr. Manoj Kumar has been nominated as expert member for Hazard Safety Cell by PWD Rajasthan
- The Chancellor of Ch. Ranbir Singh University, Jind has nominated Dr. Manoj Kumar as the member of court of university for the three years.
- Dr. Dipendu Bhunia visited Trinity College Dublin under ISCA Ireland-India Science foundation programme and University (abroad)-immersion programme, BITS Pilani (May-July 2014). During this visit he delivered a Lecture on 'A Study on the Behaviour of Coupled Shear Walls' in the Department of Civil and Environmental Engineering, TCD Dublin, Ireland, 19th June 2014.
- Dr. Amit Goel played key role in making academic collaboration happen between Autodesk and BITS Pilani and arranged two meetings between BITS and Autodesk Officials in October-November, 2014.

I. AWARDS AND RECOGNITIONS WON BY STUDENTS

- Sanchit Bajaj has been selected for summer internship under MITACS Globalink Program. He has been offered research internship at Queen's University, Kingston, Canada.
- Anvit Kumar Mittal, a 3rd year BE Civil student featured in Autodesk Student Expert Program - Spotlight in December 2014. He was the first Indian Student whose portfolio was selected for Spotlight.
- Mr. Siddharth awasthi, a 4th year BE Civil Engineering student successfully completed his internship in Germany through daad wise scholarship.
- Mr. Pragnesh pahuja, (B.E. 4th year) and Mr. Sanchit Bajaj (B.E. civil 3rd year) of first degree were selected through MITACS for summer internship at Canada for the year 2015.
- Ms. Devyani chaudhary, a 4th year Civil Engineering student qualified IAS-SRF examination for summer internship at IISc Bangalore.
- Two teams of BE Civil 3rd year students – one comprising the Anvit Kumar Mittal, Akshay singh Bisht, and Annessh Borthakur while the other of Ankush gupta, Ayush saxena and Amitabh aggarwal got selected for the zonal round of 3-D design challenge conducted by Autodesk.
- The 3rd year students team of Pragun Vinayak, Sanchit Bajaj, Vishal Kejriwal and Devendra Mittal got Second prize in paper presentation at cognizance at IIT roorkee technical festival in march 2014.

J. SIGNIFICANT NEW EQUIPMENTS/EXPERIMENTAL FACILITY ADDED DURING THE YEAR

1. Pipe Surge water Hammer Apparatus
2. Cannon Manning Viscometer with Bath: IRC standard test for viscosity grading of bitumen
3. Core cutter, portable type: For taking field cores of in-service roads for lab testing
4. Torsion Testing Machine

K. DEPARTMENTAL ASSOCIATION/CLUB ACTIVITIES

The Civil Engineering Association (CEA) organized the following events throughout the year:

Informal Meet

An informal meet was held at sky lawns on 3rd August. The meet was an introduction to the executive committee and other post holders of the association. The freshers were briefed about the endless possibilities after graduating with a degree in civil engineering and a great positive response was received from them.

Formal Meet

A formal meet was held on 14th August in LTC. The meet was attended by all faculty members, research scholars, freshman and senior year students. The meet started with an address by Dr. Manoj Kumar, HOD, Civil Engineering Department who spoke at length on the various dimensions of Civil Engineering. It was followed by various other faculty members addressing the gathering about their respective specializations. The meet concluded with the interaction of freshmen entrants with faculty members and seniors. One on one interaction of the students with the faculty over snacks initiated the bond that will be developed over the years.

Workshop in AutoDesk Softwares

A day long workshop was organized on 18th October, 2014 by officials from AutoDesk to familiarize students taking part in their 3D Design Challenge which is an international level competition. Students who attended the workshop got greatly benefited from it. Two of the registered team got selected for the Zonals Round.

Archetype

The third edition of the immensely popular Civil Engineering Fest 'Archetype' was held on November 15th and 16th. It consisted of a Pot-pourri of exciting events which tested the ingenuity and wit of participants. The events included 'Urbanistica', 'Shrishi', 'Geoteknik', 'Clash of Civilizations', 'Close Enough'. A special talk named 'Parivartan Unearthed' was delivered by Dr. R.K Mittal which was greatly received by the students.

APOGEE Meets

Three APOGEE Project Meets were held. Intense brainstorming was done to discuss ideas as well as the project pitching rounds to follow. Several exciting events were planned for APOGEE 2015. Emphasis was given to make the APOGEE events better and more challenging. Project ideas were encouraged and many projects got selected for further rounds.

AutoCAD Workshop

A two day rigorous training on January 17th and 18th, 2015 was given by the official partner of AutoDesk University to prepare students for the Certification Exam for the AutoCAD Certified Professional Recognition. The exam will be held in BITS Pilani itself at a discounted price of 60% on 29th January, 2015. There has been a significant number of turnouts for the exam and a great response is received from the students.

B1.10.3 Department: Chemical Engineering

Number* of faculty members (as on 31 December 2014)

Professor	01
Associate Professor	01**
Assistant Professors	09
Lecturers	07
Visiting Faculty	01

*On & Off Campus. ** On deputation to Dubai Campus

Head of the Department: Dr. Suresh Gupta

Contact details : sureshg@pilani.bits-pilani.ac.in

Number of PhD Scholars: 07

Ph.D. Thesis Submitted during the year: 01

A. SPONSORED RESEARCH ACTIVITIES

Total number of Sponsored Projects in the department: 13 [2 (Department Grant) + 9 (Research Grant) + 2 (Research Initiation Grant)]. Details are given below.

(i) Ongoing projects

Project Title	Principal Investigator	Co-Investigator	Agency	Sanction (Rs. in Lakh)
DST-FIST	Head of Department	-	DST	80.50
Production of hydrogen-rich fuel gas from Jatropha residue cake	Dr. Pratik N Sheth	-	DST	24.90
Evaluation and enhancement of foam stability of ethanol based aqueous foam using commercial surfactant sodium lauryl sulfate	Dr. Pradipta Chattopadhyay	-	DST	25.0
Removal of Heavy Metals from Industrial wastewater using metallic	Dr. Suresh Gupta	-	DST	21.47

Project Title	Principal Investigator	Co-Investigator	Agency	Sanction (Rs. in Lakh)
Nanoparticles as adsorbents				
Removal of Volatile Organic Compounds (Chlorinated VOCs, non-Methane Hydrocarbons, Ethylene Glycol) from Waste Streams using Biofiltration	Dr Smita Raghuvanshi	-	DST	14.50
Removal of Heavy Metals from Industrial Wastewater using Biofiltration	Dr Smita Raghuvanshi	Dr Suresh Gupta	UGC	5.50
Application of Enriched Microbial Biofilter for the Detoxification of Metal Wastes from Industrial Wastewater	Mr. Subhajit Majumder	-	UGC	2.0
Recovery of Multiple Metal Ions from Industrial Wastewater using Adsorption	Mr. Utkarsh Maheshwari	-	UGC	2.0
Modeling and simulation of metallocene catalyzed olefin polymerization	Mr. Nikhil Prakash	-	UGC	2.0
Research Initiation Grant	Dr. Banasri Roy	-	BITS, Pilani	2.0
Research Initiation Grant	Dr. Sonal Mazumder	-	BITS, Pilani	2.0

(ii) **Projects sanctioned during the year**

Project Title	Principal Investigator	Co-Investigator	Agency	Sanction (Rs. in Lakh)
Formulation and Evaluation of Polymeric Nanoparticles for Treating Rheumatoid Arthritis	Dr. Sonal Mazumder	-	UGC	6.0
Zinc Recovery from Industrial Waste using Bioleaching	Dr. Suresh Gupta	Dr. S K Verma, Dr. Anupam Singhal, Dr. S Ramachandran	BITS	48.0

(iii) **Projects completed this year**

Project Title	Principal Investigator	Co-Investigator	Agency	Sanction (Rs. in Lakh)
UGC-DRS-SAP	Head of Department	-	UGC	38.7

B. PUBLICATIONS(i) **The faculty of the department published 11 papers in international refereed journals during the year.**

- Bhargavi, R.J., Maheshwari, U., Gupta, S., Synthesis and Use of Alumina Nano-Particles as an Adsorbent for the Removal of Zn(II) and CBG Dye from Wastewater, International Journal of Industrial Chemistry, Published Online: 18 December, 2014. (DOI: 10.1007/s40090-014-0029-1) .
- Majumder, S., Raghuvanshi, S., Gupta, S., Estimation of Kinetic Parameters for Bioremediation of Cr(VI) from Wastewater using Pseudomonas taiwanensis an isolated strain from Enriched Mixed Culture. Bioremediation Journal. 18 (2014), 236-247.
- Manglani, G. N., Vashishtha, S., Roy, B., Development of Ni-Sn/Al₂O₃ Nano Catalysts for H₂ Production from Biomass by Aqueous Phase Reforming. Advance Science Letters. 20 (2014), 1468-1470.
- Mazumder, S., Bhargava, S., Nanorobots: Current state and future perspectives, International Journal of Development Research, 4 (2014), 1234-1239.
- Mazumder, S., Sharma, A., Akanksha., Study of wetting properties of carbon-nanofiber coating on various substrates. Journal of Physical Science and Application, 4, 2014.

6. Mazumder, S., Sarkar, D., Puri, I. K., Nanotechnology commercialization: Prospects in India, *Journal of Materials Science and Nanotechnology*, 1 (2014), 1-8.
 7. Pani, A. K., Mohanta, H. K., Soft sensing of particle size in a grinding process: Application of support vector regression, fuzzy inference and adaptive neuro fuzzy inference techniques for online estimation of cement fineness, *Powder Technology*, 264 (2014), 484-497.
 8. Roy, B., Sullivan, H., Leclerc, C. A., Effect of variable conditions on steam reforming and aqueous phase reforming of n-butanol over Ni/CeO₂ and Ni/Al₂O₃ catalysts. *Journal of Powder Sources*, 267 (2014), 280 – 287.
 9. Sande, P. C., Ray, S., Mesh size effect on CFD simulation of gas-fluidized Geldart A particles, *Powder Technology*, 264 (2014) 43-53.
 10. Singh, P. K., Bhanot, S., Mohanta, H. K., Genetic Optimization based Adaptive Fuzzy Logic Control of a pH Neutralization Process. *International Journal of Control and Automation*, 7 (2014), 233-248.
 11. Vyawahare, S., Pradhan, S. K., Gupta, S., Removal of Heavy Metal Ions from Industrial Waste Water Using Metallic Nanoparticles as Adsorbents. *Advanced Science Letters*, 20 (2014), 1311-1315.
- (ii) **The faculty of the department published 52 papers in international/national conferences during the year.**
1. Akanksha, Sharma, A., Mazumder, S., The role of structure and surface composition on the contact angle and wetting characteristics of carbon nanofiber coatings, *Proceedings of 2014 AIChE Annual Meeting, Atlanta Marriott Marquis and Hilton Atlanta, Atlanta, GA, USA, November 16-21, 2014.*
 2. Ambatkar, K., Gupta, S., Majumder, S., Experimental study for the removal of hexavalent chromium from industrial wastewater using bioremediation, *Proceeding of 67th Annual Session of IChE (CHEMCON-2014) and Indo-Japanese Symposium, jointly organized by Chandigarh Regional Center, IChE and Dr. SSB University Institute of Chemical Engineering & Technology, Chandigarh, 27-30 December 2014.*
 3. Ashwath, A. K., Pradeep, S., Raghuvanshi, S., Synthesis & characterization of graphene oxide nanoparticles for water purification applications, *Proceeding of 67th Annual Session of IChE (CHEMCON-2014) and Indo-Japanese Symposium, jointly organized by Chandigarh Regional Center, IChE and Dr. SSB University Institute of Chemical Engineering & Technology, Chandigarh, 27-30 December 2014.*
 4. Ashwath, A. K., Pradeep, S., Raghuvanshi, S., Synthesis and characterisation of graphene oxide nanoparticles for water purification, *Proceedings of 7th International Congress of Environmental and Research, RVCollege of Engineering, Bangalore, December 26 - 28, 2014.*
 5. Batra, S., Gupta, S., Experimental and theoretical studies for removal of dyes from industrial wastewater using bioremediation, *Proceeding of 67th Annual Session of IChE (CHEMCON-2014) and Indo-Japanese Symposium, jointly organized by Chandigarh Regional Center, IChE and Dr. SSB University Institute of Chemical Engineering & Technology, Chandigarh, 27-30 December 2014.*
 6. Chattopadhyay, P., Kumar, A., Experimental Studies for Characterization of Ethanol based Aqueous Foam in terms of Liquid Drainage, *Proceedings of Conference on Advances in Chemistry and their Biological and Industrial Relevance (ACBIR 2014), NIT Rourkela, India, 10-11th January, 2014.*
 7. Chattopadhyay, P., Kumar, A., Experimental Studies for Characterization of Surf Excel Detergent generated Aqueous Foam, *Proceedings of Conference on Innovation and Development in Chemical Technology (IDCT 2014), Guru Gobind Singh Indraprastha University, India, 28th February-1st March, 2014.*
 8. Chattopadhyay, P., Malik, J., Mishra, R., Venkata, V., Chowdhury, S., Analysis of Surfactant generated Butanol based Aqueous Foam, *Proceeding of 67th Annual Session of IChE (CHEMCON-2014) and Indo-Japanese Symposium, jointly organized by Chandigarh Regional Center, IChE and Dr. SSB University Institute of Chemical Engineering & Technology, Chandigarh, 27-30 December 2014.*
 9. Chattopadhyay, P., Venkata, V., Chowdhury, S., Characterization of Aqueous Foam with Additive Ferrous Chloride, *Proceedings of Conference on Nano and Functional Materials (NFM 2014), BITS Pilani, Pilani, India, 7th-8th November, 2014.*
 10. Chopra, M., Mazumder, S., Preparation and characterization of curcumin loaded polymeric nanoparticles by rapid precipitation method, *Proceedings of 2014 AIChE Annual Meeting, Atlanta Marriott Marquis and Hilton Atlanta, Atlanta, GA, USA, November 16-21, 2014.*
 11. Davis, R., Mazumder, S., Pereira, J., Arca, C., Edgar, K.J., Nanoparticles of antiviral drugs and polysaccharide for oral drug delivery: Effect of polysaccharide chemistry, *Proceedings of 2014 AIChE Annual Meeting, Atlanta Marriott Marquis and Hilton Atlanta, Atlanta, GA, USA, November 16-21, 2014.*
 12. Garg, A., Maheshwari, U., Modeling of the Temperature Distribution Profile in Horizontal Well Drilling, *Proceeding of 67th Annual Session of IChE (CHEMCON-2014) and Indo-Japanese Symposium, jointly*

- organized by Chandigarh Regional Center, IChE and Dr. SSB University Institute of Chemical Engineering & Technology, Chandigarh, 27-30 December 2014.
13. Ghosalkar, S., Aich, S., Roy, B., Development of Metal Doped Bismuth Vanadate (BIMEVOX) Nano Catalyst Systems for H₂ Production. Proceeding of 67th Annual Session of IChE (CHEMCON-2014) and Indo-Japanese Symposium, jointly organized by Chandigarh Regional Center, IChE and Dr. SSB University Institute of Chemical Engineering & Technology, Chandigarh, 27-30 December 2014.
 14. Gupta, S., Maheshwari, U., Copper (II) Removal Using Activated Neem Bark from Waste Water As a Low Cost Adsorbent: Column Studies, Proceedings of 2014 AIChE Annual Meeting, Atlanta Marriott Marquis and Hilton Atlanta, Atlanta, GA, USA, November 16-21, 2014.
 15. H, Raghuram., Maheshwari, U., Key Parameters Effecting the Desalting Operation of Unconventional Crude Oil, Proceedings of 2014 AIChE Annual Meeting, Atlanta Marriott Marquis and Hilton Atlanta, Atlanta, GA, USA, November 16-21, 2014.
 16. Jain, A., Analysis of Closed-loop Interaction in Dynamic Multi-loop Control System, Proceedings of the International Conference on Power, Control and Embedded System (ICPCES-2014), MNNIT, Allahabad, India, December 26-28, 2014.
 17. Kamanakeri, B., Maheshwari, U., Optimization of Gas-Oil Three Stage Separator's Pressure to Increase Stock Tank Oil Using Aspen Plus, Proceedings of 2014 AIChE Annual Meeting, Atlanta Marriott Marquis and Hilton Atlanta, Atlanta, GA, USA, November 16-21, 2014.
 18. Kumar, S., Sheth, P.N., Reactive Extraction of Nicotinic Acid from Aqueous Solution: Equilibrium and Kinetic Study, Proceedings of International Conference on Advances in Chemical Engineering and Technology "Chemical Engineering – Traditional and Beyond" ICACE TKMCE '14 organized by Department of Chemical Engineering, T.K.M. College of Engineering, Kerala during Oct 16-18, 2014.
 19. Maheshwari, U., Singhai, A., Kalita, D., Nenmini, A., Simulation and Optimization of the Production of Phthalic Anhydride from O-Xylene, Proceedings of 2014 AIChE Spring Meeting & 10th Global Congress on Process Safety, Hilton New Orleans Riverside, LA, USA, 30th March - 2nd April, 2014.
 20. Maheshwari, U., Ambatkar, K., N, Prathyusha., Simulation and Optimization of Ethyl Benzene Production Using Aspen Plus Platform, Proceedings of 2014 AIChE Annual Meeting, Atlanta Marriott Marquis and Hilton Atlanta, Atlanta, GA, USA, November 16-21, 2014.
 21. Maheshwari, U., Ashwath, A. K., Models Describing the Thermal Recovery as a Productive Option for the Heavy Oil Reservoirs, Proceedings of 2014 AIChE Spring Meeting & 10th Global Congress on Process Safety, Hilton New Orleans Riverside, LA, USA, 30th March - 2nd April, 2014.
 22. Maheshwari, U., Batra, S., Pande, P., Simulation and Optimization of Production of Cyclohexane from Benzene Using Aspen Plus, Proceedings of 2014 AIChE Annual Meeting, Atlanta Marriott Marquis and Hilton Atlanta, Atlanta, GA, USA, November 16-21, 2014.
 23. Maheshwari, U., Gaikwad, S., Shale Gas as a Potential Source of Unconventional Reserve for Crude Oil, Proceedings of 2014 AIChE Spring Meeting & 10th Global Congress on Process Safety, Hilton New Orleans Riverside, LA, USA, 30th March - 2nd April, 2014.
 24. Maheshwari, U., Kalita, D., Downhole Catalytic Upgradation of Heavy Oil, Proceedings of 2014 AIChE Spring Meeting & 10th Global Congress on Process Safety, Hilton New Orleans Riverside, LA, USA, 30th March - 2nd April, 2014.
 25. Maheshwari, U., Kamankeri, B., Gaikwad, S., Design & Optimization of Cumene Plant Using Aspen Plus Platform, Proceedings of 2014 AIChE Spring Meeting & 10th Global Congress on Process Safety, Hilton New Orleans Riverside, LA, USA, 30th March - 2nd April, 2014.
 26. Maheshwari, U., Kuhar, K., Gupta, S., Equilibrium studies for the removal of cr(vi), cu(vi) and zn(ii) Using activated neem bark, Proceeding of 67th Annual Session of IChE (CHEMCON-2014) and Indo-Japanese Symposium, jointly organized by Chandigarh Regional Center, IChE and Dr. SSB University Institute of Chemical Engineering & Technology, Chandigarh, 27-30 December 2014.
 27. Maheshwari, U., Kuhar, K., Pundir, V. S., MDEA as an Effective Solvent for the Natural Gas Sweetening Process, Proceedings of 2014 AIChE Annual Meeting, Atlanta Marriott Marquis and Hilton Atlanta, Atlanta, GA, USA, November 16-21, 2014.
 28. Maheshwari, U., Nori, U. M., Nimisha, K. R., Optimization of Formaldehyde Production from Methanol By Utilizing Silver Catalyst Process, Proceedings of 2014 AIChE Annual Meeting, Atlanta Marriott Marquis and Hilton Atlanta, Atlanta, GA, USA, November 16-21, 2014.
 29. Maheshwari, U., Singh, K., Fire Flooding as a Budding Source of Enhanced Oil Recovery, Proceedings of 2014 AIChE Spring Meeting & 10th Global Congress on Process Safety, Hilton New Orleans Riverside, LA, USA, 30th March - 2nd April, 2014.

30. Maheshwari, U., Vashishtha, S., Oil Sands Processing: An Unconventional Source of Synthetic Crude Oil, Proceedings of 2014 AIChE Spring Meeting & 10th Global Congress on Process Safety, Hilton New Orleans Riverside, LA, USA, 30th March - 2nd April, 2014.
31. Maheshwari, U., Vedula, B., Mukherjee, A., Modeling and Simulation of Removal of CO₂ and N₂ from Natural Gas Using Aspen Plus Platform, Proceedings of 2014 AIChE Spring Meeting & 10th Global Congress on Process Safety, Hilton New Orleans Riverside, LA, USA, 30th March - 2nd April, 2014.
32. Maheshwari, U., Vyawahare, S., High Pressure, High Temperature Wells, Proceedings of 2014 AIChE Annual Meeting, Atlanta Marriott Marquis and Hilton Atlanta, Atlanta, GA, USA, November 16-21, 2014.
33. Majumder, S., Gangadhar, G., Raghuvanshi, S., Gupta, S., Optimization Of Divalent Copper Bioremediation By *Acinetobacter Guilloouiae* Using Response Surface Methodology, Proceeding of 67th Annual Session of IChE (CHEMCON-2014) and Indo-Japanese Symposium, jointly organized by Chandigarh Regional Center, IChE and Dr. SSB University Institute of Chemical Engineering & Technology, Chandigarh, 27-30 December 2014.
34. Majumder, S., Gangadhar, G., Raghuvanshi, S., Gupta, S., Optimization of divalent copper bioremediation by *Acinetobacter guilloouiae* using response surface methodology, Proceeding of 67th Annual Session of IChE (CHEMCON-2014) and Indo-Japanese Symposium, jointly organized by Chandigarh Regional Center, IChE and Dr. SSB University Institute of Chemical Engineering & Technology, Chandigarh, 27-30 December 2014.
35. Majumder, S., N, Pratyusha., Raghuvanshi, S., Gupta, S., Optimization of Process Parameters in Bioremediation of Cr(VI) Contaminated Aqueous Solution through Response Surface Methodology, Proceedings of 2014 AIChE Annual Meeting, Atlanta Marriott Marquis and Hilton Atlanta, Atlanta, GA, USA, November 16-21, 2014.
36. Majumder, S., Raghuvanshi, S., Gupta, S., Singh, A., Bioremediation growth kinetics of Cr(VI) contaminated aqueous solution using *Pseudomonas* sp., an indigenous microbial strain isolated from aerobic mixed culture, Proceedings of 2014 International Congress on Environmental, Biotechnology, and Chemistry Engineering (CEBCE 2014), IPCBEE vol.64, IACSIT Press, Singapore. DOI: 10.7763/PCBEE. 2014. V64. 6.
37. Manglani, G. N., Vashishtha, S., Roy, B., Development of Ni-Sn/Al₂O₃ Nano Catalysts for H₂ Production from Biomass by Aqueous Phase Reforming, Proceedings of National Conference on Nanotechnology and Renewable Energy (NCNRE – 2014), Department of Applied Sciences and Humanities, Jamia Millia Islamia, New Delhi, April 28 – 29, 2014.
38. Mazumder, S., Nanoparticulate formulation for delivery of hydrophilic and hydrophobic drugs. Proceeding of 67th Annual Session of IChE (CHEMCON-2014) and Indo-Japanese Symposium, jointly organized by Chandigarh Regional Center, IChE and Dr. SSB University Institute of Chemical Engineering & Technology, Chandigarh, 27-30 December 2014.
39. Mishra, S., Raghuvanshi, S., Gupta, S., Production of fatty acids and light oils from CO₂ mitigation using *Bacillus cereus* SM1 isolated from sewage treatment plant, Proceedings of International Conference on Emerging Trends in Biotechnology (ICETB-2014), JNU Delhi, November 6 - 9, 2014.
40. Mohanta, H. K., Vedanta Sutra in the Context of Science and Spirituality, in the Proceedings of the 8th All India Students' Conference on Science and Spiritual Quest (AISSQ – 2014) held in IIT (BHU), Varanasi during February 1-2, 2014, pp. 76-90.
41. Nori, U. M., Gupta, S., Vyawahare, S., Development of nano-particles using physical/chemical methods for the recovery of heavy metals from industrial waste water, Proceeding of 67th Annual Session of IChE (CHEMCON-2014) and Indo-Japanese Symposium, jointly organized by Chandigarh Regional Center, IChE and Dr. SSB University Institute of Chemical Engineering & Technology, Chandigarh, 27-30 December 2014.
42. Pal, P., Maheshwari, U., Foam Mobility Control: An Enhanced Oil Recovery Technique, Proceedings of 2014 AIChE Spring Meeting & 10th Global Congress on Process Safety, Hilton New Orleans Riverside, LA, USA, 30th March - 2nd April, 2014.
43. Pal, P., Mishra, S., Gupta, S., Raghuvanshi, S., Utilization of Mixed Culture and Isolated Species for Bioremediation of CO₂, Proceedings of 2014 AIChE Annual Meeting, Atlanta Marriott Marquis and Hilton Atlanta, Atlanta, USA, November 16-21, 2014.
44. Prakash, N., S, Kumar., Sharma, A. K., Kinetic Modeling of Propylene Polymerization with Me₂Si[Ind]₂ZrCl₂/MAO Catalyst System, Proceedings of 2014 AIChE Annual Meeting, Atlanta Marriott Marquis and Hilton Atlanta, Atlanta, GA, USA, November 16-21, 2014.
45. Raghuram, H. S., Pradeep, S., Mazumder, S., Factors effecting synthesis and characterization of ZnS based colloidal quantum dots, Proceeding of 67th Annual Session of IChE (CHEMCON-2014) and Indo-Japanese Symposium, jointly organized by Chandigarh Regional Center, IChE and Dr. SSB University Institute of Chemical Engineering & Technology, Chandigarh, 27-30 December 2014.

46. Raj, K., Chauhan, P., Mishra, S., Raghuvanshi, S, Optimization of parameters (pH and temperature) for CO₂ mitigation using isolated species from Sambhar Lake", Proceedings of Bioprocessing India - 2014, ICT - Mumbai, December 17 - 20, 2014.
47. Raj, K., Desai, A., Mishra, S., Raghuvanshi, S., Isolation of photosynthetic microbial species for CO₂ mitigation from Sambhar Lake, Rajasthan, India, Proceedings of 2014 AIChE Annual Meeting, Atlanta Marriott Marquis and Hilton Atlanta, Atlanta, GA, USA, November 16-21, 2014.
48. S. Vashishtha, G. N. Manglani, and B. Roy, Development of Ni-Sn/Al₂O₃Nano Catalyst Powders Using Solution Combustion Synthesis for H₂ Production from Biomass by Aqueous Phase Reforming, APCMET-2014, April 19-20, at Jawaharlal Nehru University, New Delhi.
49. Sande, P. C., Ray, S., The Role of Time in the Computational Definition of Minimum Bubbling Velocity in Gas-Fluidization, Proceedings of 2014 AIChE Annual Meeting, Atlanta Marriott Marquis and Hilton Atlanta, Atlanta, GA, USA, November 16-21, 2014.
50. Singh, A., Maheshwari, U., Optimization of Residue Upgradation to Useful Product Using Aspen Plus Platform, Proceeding of 67th Annual Session of IChE (CHEMCON-2014) and Indo-Japanese Symposium, jointly organized by Chandigarh Regional Center, IChE and Dr. SSB University Institute of Chemical Engineering & Technology, Chandigarh, 27-30 December 2014.
51. Vedula, V, B., Chopra, M., Joseph, E., Saha., R, N., Mazumder, S., Preparation and characterization of acyclovir loaded CMCAB nanoparticles in multi inlet vortex mixer in International Conference on Nanoscience and Engineering Applications (ICONSEA 2014), IST-JNTU, Hyderabad.
52. Vyawahare, S., Pradhan, S. K., Gupta, S., Removal of Heavy Metal Ions from Industrial Waste Water Using Metallic Nanoparticles as Adsorbents. Proceedings of National Conference on Nanotechnology and Renewable Energy (NCNRE – 2014), Department of Applied Sciences and Humanities, Jamia Millia Islamia, New Delhi, April 28 – 29, 2014.

C. CONFERENCES/WORKSHOPS ATTENDED/PAPERS PRESENTED

1. Dr. Banasri Roy attendend 67th Annual session of Indian Institute of Chemical Engineers (CHEMCON 2014) and presented a paper on "Development of Metal Doped Bismuth Vanadate (BIMEVOX) Nano Catalyst Systems for H₂ Production", Chandigarh, December 27-30, 2014.
2. Dr. H K Mohanta attended 7th International Congress of Environmental Research (ICER-14) and presented a paper on "Modeling, Simulation and Control of a Drum Boiler", R.V. College of Engineering, Bangalore, December, 26-28, 2014.
3. Dr. H K Mohanta attended 8th All India Students' Conference on Science and Spiritual Quest (AISSQ-2014) and presented a paper on "Vedanta Sutra in the Context of Science and Spirituality", IIT (BHU), Varanasi, February 1-2, 2014.
4. Dr. H K Mohanta attended the 3-Days Intensive Course on Process Equipment Design, NIT, Nagpur, September 12-14, 2014.
5. Dr. Pradipta Chattopadhyay, attended National Conference on Nano and Functional Materials (NFM 2014) and presented a paper on "Characterization of Aqueous Foam with Additive Ferrous Chloride", BITS Pilani, Pilani, India, November 7 - 8, 2014.
6. Dr. Pratik N Sheth attended International Conference on Advances in Chemical Engineering and Technology "Chemical Engineering – Traditional and Beyond" ICACE TKMCE '14 and presented a paper on "Reactive Extraction of Nicotinic Acid from Aqueous Solution: Equilibrium and Kinetic Study", T.K.M. College of Engineering, Kerala, October 16-18, 2014.
7. Dr. Pratik N Sheth attended International Conference on Chemical Science and Engineering (ICCSE - 2014) and presented a paper on "Thermo-Chemical Conversion of Jatropha Deoiled Cake: Pyrolysis vs Gasification", Phuket, Thailand, December 27 - 28, 2014.
8. Dr. Smita Raghuvanshi attended an International Conference on Emerging Trends in Biotechnology (ICETB-2014) and presented a paper on "Production of fatty acids and light oils from CO₂ mitigation using Bacillus cereus SM1 isolated from sewage treatment plant", JNU Delhi, Novemeber 6 - 9, 2014.
9. Dr. Sonal Mazumder attendend 67th Annual session of Indian Institute of Chemical Engineers (CHEMCON 2014) and presented a paper on "Nanoparticulate formulation for delivery of hydrophilic and hydrophobic drugs", Chandigarh, December 27-30, 2014.
10. Dr. Suresh Gupta attendend 2014 AIChE Annual Meeting and presented a paper on "Utilizatization of Mixed Culture and Isolated Species for Biomitigation of CO₂", Atlanta Marriott Marquis and Hilton Atlanta, Atlanta,USA, November 16-21,2014.
11. Mr. Amit Jain and Dr. Pratik N Sheth attended workshop on "Data Analytics and Using R for Statistical Analysis", Birla Institute of Technology and Science, Pilani campus, November 22 – 23, 2014.

12. Mr. Amit Jain attended 2nd Bioprocessing INDIA conference and presented a paper on "A Decentralized Control Configuration Selection for a Continuous Bioreactor System: A Relative Response Array Approach", ICT, Mumbai, December 17 - 20, 2014.
13. Mr. Amit Jain attended International Conference on Chemical Science and Engineering (ICCSE -2014) and presented a paper on "Relative Response Array: A New Tool for Control Configuration Selection", Phuket, Thailand, December 27 - 28, 2014.
14. Mr. Subhajit Majumder attendend 2014 AIChE Annual Meeting and presented a paper on "Optimization of Process Parameters in Bioremediation of Cr(VI) Contaminated Aqueous Solution through Response Surface Methodology", Atlanta Marriott Marquis and Hilton Atlanta, Atlanta,USA, November 16-21,2014.
15. Mr. Subhajit Majumder attendend 2014 International Congress on Environmental, Biotechnology, and Chemistry Engineering (CEBCE 2014) and presented a paper on "Bioremediation growth kinetics of Cr(VI) contaminated aqueous solution using *Pseudomonas sp.*, an indigenous microbial strain isolated from aerobic mixed culture", SAISE, Pride Hotel, Pune, India, February 21-23, 2014.
16. Mr. Subhajit Majumder attendend 67th Annual session of Indian Institute of Chemical Engineers (CHEMCON 2014) and presented a paper on "Optimization of divalent copper bioremediation by *Acinetobacter guillouiae* using response surface methodology", Chandigarh, December 27-30, 2014.
17. Mr. Utkarsh Maheshwari attendend 67th Annual session of Indian Institute of Chemical Engineers (CHEMCON 2014) and presented a paper on "Equilibrium studies for the removal of Cr(VI), Cu(II) and Zn(II) using activated neem bark", Chandigarh, December 27-30, 2014.

D. BOOKS/BOOK CHAPTERS PUBLISHED

1. Aich, S., and Roy, B., "Titanium Oxide Nanostructured Coating for Ti andTi Related Bio-implants," In Oxide Nanostructures: Growth, Microstructures and Properties Edited by Avanish Kumar Srivastava, CRC press, 2014, ISBN: 9789814411356
2. Majumder, S., Gupta, S., Raghuvanshi, S., "Removal of dissolved metals by Bio-remediation". In Heavy Metals in Water, Edited by Sanjay Sharma, RSC Publishing, UK, September 2014 (DOI:10.1039/9781782620174).

E. CONFERENCES, SEMINARS & WORKSHOPS CONDUCTED

NA

F. INVITED TALKS GIVEN BY BITS FACULTY:

1. Dr. Smita Raghuvanshi given an invited talk on "Production of fatty acids and light oils from CO₂ mitigation using *Bacillus cereus* SM1 isolated from sewage treatment plant " in International Conference on Emerging Trends in Biotechnology(ICETB-2014), JNU Delhi, Novemeber 6 - 9, 2014.
2. Utkarsh Maheshwari delivered a lecture on "The Importance of Water" at Regional Science Congress, 2014 organized by Jawahar Navodaya Vidyalaya, Kajra, Jhunjhunu on November 11, 2014.

G. INVITED TALKS ARRANGED IN THE DEPARTMENT

- Prof Srinivas Krishnaswamy, Associate Professor, Chemical Engineering Department, BITS Pilani, KK Birla Goa Campus has delivered a talk on "Wastewater Treatment Methods", September 30, 2014.

H. AWARDS AND RECOGNITIONS WON BY FACULTY AND STUDENTS

- Dr. Suresh Gupta has been the Member of the Board of Studies of Faculty of Bio- and Chemical Engineering, Sathyabama University, Jeppiaar Nagar, Chennai, October – November, 2014.
- Mr. Subajit Majumder has been awarded 1st Prize in the paper presentation on "Bioremediation growth kinetics of Cr(VI) contaminated aqueous solution using *Pseudomonas sp.*, an indigenous microbial strain isolated from aerobic mixed culture" in International Congress on Environmental, Biotechnology, and Chemistry Engineering (CEBCE 2014), SAISE, Pride Hotel, Pune, India, February 21-23, 2014.
- Dr. Banasri Roy has been awarded the Visiting Scientist Fellowship 2014-15 from Indian National Science Academy (INSA) for collaborative work with IIT-Kharagpur.
- Dr. Arvind K Sharma, PhD Thesis Examiner, VNIT Nagpur , May 2014.
- Dr. Arvind K Sharma, Project Examiner, BTech (Chemical Engg.) – Final-Year, MNIT Jaipur, June 2014.
- Dr. Suresh Gupta, External examiner for BTech (Chemical Engg.) students at Banasthali University, January 3, 2014.

- Mr. Utkarsh Maheshwari, Chaired a session on "New process technologies & Adsorption technology" in the 67th Annual session of Indian Institute of Chemical Engineers (CHEMCON 2014), Chandigarh, December 27-30, 2014.
- Dr. Arvind K Sharma, Dr. Suresh Gupta, Dr. Pratik N Sheth, Dr. Smita Raghuvanshi, Dr. H K Mohanta, Dr. Banasri Roy and Mr. Amit Jain have been elected as the member of "The Institution of Engineers (India)".
- Dr. Pratik N Sheth and Mr. Amit Jain have been awarded membership of the Asia-Pacific Chemical, Biological & Environmental Engineering Society (APCBEEES).
- Dr. Suresh Gupta and Dr. Smita Raghuvanshi have been awarded the membership of American Institute of Chemical Engineers (AIChE).
- The team of three BE Chemical Engineering students i.e. Mr Shubham Jain, Mr Varun Patel and Mr Abhishek Ranade and a faculty guide Dr Pratik N Sheth secured 4th position in the Grand Finale of iNSCRIBE 2014 organized by BOSCH on 16th & 17th December, 2014 at Bangalore.
- Paper entitled "Optimization of parameters (pH & temperature) for CO₂ mitigation using isolated species from Sambhar Lake" was the only poster selected from BE students (Kaushik Raj & Piyush Chauhan) in the entire conference of Bioprocessing India -2014 held as ICT Mumbai from Dec 17-20, 2014, jointly organised by ICT Mumbai & IIT, Bombay Mumbai.

I. FACULTY DEVELOPMENT, INTERNATIONAL COLLABORATION AND INDUSTRY IMMERSION

- Dr. H K Mohanta undertaken the Industry Immersion Program in CSIR-Institute of Minerals and Materials Technology (IMMT), Bhubaneswar during May 26 - June 24, 2014.
- Dr. Smita Raghuvanshi and Dr. Banasri Roy visited the research laboratories of Prof. V G Gaikar, Institute of Technology (ICT), Mumbai during May 29 - 30, 2014 for the interaction w.r.t project work & research collaborations.
- Dr. Smita Raghuvanshi visited JNU, New Delhi to meet Prof. Indu S Thakur, Professor in School of Environmental Sciences - JNU, Delhi on September 19, 2014 for the research collaboration work.
- Dr. Sonal Mazumder has established research collaboration with Jadavpur University, ESI hospital (Sealdah), Oklahloma State University, USA and McMaster University, Canada.

J. SIGNIFICANT NEW EQUIPMENTS/EXPERIMENTAL FACILITY ADDED DURING THE YEAR

- Process Control Laboratory has been strengthened by the addition of new equipments namely Universal Process Control Trainer, First & Second Order System, Flow Control Trainer, Pressure Control Trainer, Multiprocess Trainer, Control Valve Characteristics etc.
- Analytical and Environmental Laboratories have been strengthened by the addition of new equipments namely Cooling Micro Centrifuge, Syringe Pump, Autoclave (Vertical), Ultrapure Water Purification System, Ultrasonic Cleaner, Hot Plate Magnetic Stirrer, Laminar Air Flow etc.
- Undergraduate laboratories have been strengthened by the addition Fixed Bed Reactor.
- FTIR Libraries have been purchased to strengthen the FTIR facility.

K. DEPARTMENTAL ASSOCIATION/CLUB ACTIVITIES

Chemical Engineering Association

During the year 2014, the primary objective of the Chemical Engineering Association was to augment the quality of events and projects in APOGEE to provide students with opportunities to showcase their mettle and creative talents. The focus was on this technical festival held during 27th-31st March. The students participated and presented a wide variety of projects over 16 categories, such as Simulation and Mathematical modelling, Environment, Energy, Industrial processes and Applications and Pure Sciences. Of the 38 projects that were submitted, a total of 22 were presented in the final round of APOGEE. This also consisted of a winning project in Pure Sciences (Chemistry), presented by a group of students from the current third year Chemical batch. This project proved to be innovative as it combined principles of heat transfer and crystallization, concepts taught well in two important Chemical engineering courses. Several of the students in the current fourth year batch, presented a total of 12 scientific papers for APOGEE.

In addition to the projects and papers the association also organized four events during APOGEE 2014, and a pre-apogee quiz in collaboration with IChE. The most prominent event was 360^o Engineering, which was to test engineering skills and intuitions. The aim was to check the approach towards planning and optimization. The next event was Dexter's Laboratory conducted in collaboration with the Chemistry and Biology associations, consisting of theoretical and practical rounds. The remaining events were Resource Optimization and Piccellate, which saw a large amount of participation. IChE helped organize the Sci-tech Quiz with the assistance of the Chemical Association, a few weeks preceding APOGEE.

In April, towards the end of the semester, the executive committee for the academic year 2014-15 was nominated and was officially announced in the farewell dinner organized for the Class of 2014. The R.P.Vaid was given to Mr. Kaushik Raj. The Monali Dey award was given to Mr. Rohit kumar and Mr. Neeraj agarwal. The Lakshmi Memorial Award was given to Mr. Kota Vishal for his best overall performance. The Tresbian Award was given to Mr. Perla Kishore. The Alumni Award was given to Mr. Bhawarth sangwan.

Coming to the first semester of 2015, the Association was proud to claim the internships of two students of the senior batch ended successfully, in two foreign nations. We had arranged a seminar, to provide an opportunity to all the students to know about the sort of exposure the two students gained during their internship. The two presenters were: (1) Mr. Kaushik Raj - Extraction of a compound called "Beta-Thujaplicin" from Western Red Cedar - a local wood abundant in British Columbia and (2) Mr. Saket Bhargava - Synthesis and characterization of gold nanoparticles from oxalate precursors. This semester the association also organized the farewell dinner for the outgoing batch of 2015, involving a farewell message from all the respected faculty members.

B1.10.4 Department: Chemistry

Number of faculty members (as on 31st December 2014)

Senior Professors, Professors	04
Associate Professors	01
Assistant Professors	12
Lecturers	00
Visiting Faculty	00

Head of the Department: Prof. Anil Kumar

Contact details: anilkumar@pilani.bits-pilani.ac.in

Number of Ph D Scholars: 48

Ph.D. Thesis Submitted and awarded during the year: Submitted: 05

A. SPONSORED RESEARCH ACTIVITIES

Total number of Sponsored Projects in the department: 24. Details are given below.

(i) Ongoing projects

PI	Funding Agency	Title of the Project	Amount (in lakhs)
HOD	DST	DST-FIST Programme	87.00
Dr. Dalip Kumar	DBT	Synthesis of Novel N,O,S containing heterocycles and evaluation of their anticancer activities	54.38
Dr. I. R. Laskar	CSIR	Synthesis of platinum(ii) based pure blue-emitting triplet harvesting materials and their applications in white organic light emitting diodes as single emissive dopants	20
Dr. Madhushree Sarkar	SERB	Crystal engineering of metal organic frameworks using organic linkers derived from template controlled solid state reactions	23.4
Dr. Prashant U. Manohar	SERB	An extensive computational development of multi-reference coupled-cluster methods for electronic structure investigations of big molecules	22.4
Dr. Shamik Chakraborty	UGC start-up Grant	UGC-BSR Start-up grant for newly recruited faculty at Assistant Professor level in science department.	6
Dr. Shamik Chakraborty	SERB	Competition between charge transfer and proton transfer processes in some newly designed Schiff bases: Spectroscopic and theoretical investigations in condensed phase	24.98
Dr. Ajay K Sah	UGC	Synthesis, metallochemistry and reactivities of D-Glucose derived Glycoconjugates	9.13
Dr. Anil Kumar	CSIR	Exploration of Novel Ionic Liquid-Supported Sulfonyl Reagents for Organic Synthesis	16.12
Dr. Bharti Khungar	UGC	Synthesis, Characterization and Applications of Novel Ionic Liquid-supported Metal Complexes	13.48

PI	Funding Agency	Title of the Project	Amount (in lakhs)
Dr. Bibhas R. Sarkar	BITS Pilani (RIG)	Catalytic Route to Linear Alkyl Benzenes (LABs) via C-C Coupling Reactions using Transition Metal Catalysts	2
Dr. Dalip Kumar	DST	Design and synthesis of Porphyrin-based photosensitizers as anticancer agents Supported by the India-Japan Science Council under DST-JSPS S&T Programme of Cooperation	4.5
Dr. Dalip Kumar	UGC	Design, Synthesis and biological evaluation of indol-based heterocycles as anti cancer agents.	7.51
Dr. I. R. Laskar	DST SERB (major)	Design and Syntheses of Heavy Metal based Aggregation Induced Emission Active Complexes and their Applications in Bio-imaging	35
Dr. Indresh Kumar	DST	Organocatalysis as green approach for synthesis of pyrrolidine/fused pyrrolidine: towards the synthesis of related alkaloids	21.9
Dr. Paritosh Shukla	UGC	Transition metal-catalysed Coupling/Reductive Coupling of saturated Alkyl halides with Electron Withdrawing Alkenes.	11.95
Dr. R. K. Roy	DST	Development and application of density functional reactivity theory based modeling techniques to understand the energetic of reactive and non-reactive interactions	32.55
Dr. Raj Kumar Gupta & Dr. Paritosh Shukla	BITS Pilani	Detection of contaminants in water using functional ultrathin films, sponsored by BITS Pilani under Waste Water Energy	10
Dr. Rajeev Sakhuja	UGC start-up Grant	UGC-BSR Start-up grant for newly recruited faculty at Assistant Professor level in science department.	6
Dr. Rajeev Sakhuja	SERB	Design of synthetically tunable azino-fused chromene conjugates as potential organogelators	24.7
Dr. Rajeev Sakhuja Dr. Anil Kumar	BITS-Seed Grant	Design of Ionic Liquid linked Benzotriazoles as Useful Synthetic Auxiliaries in Organic Synthesis.	9.8
Dr. Shamik Chakraborty	UGC BSR	Design of new ionic receptor molecules derived from Schiff bases: Syntheses and their spectroscopic and theoretical characterization	6
Dr. Surojit Pande	UGC	Size-depnt hydrogenation catalysis with Mono (Pd and Pt) and Bimetallic (Pd@Pt) nanoparticles in quantum dot region	6
Dr. Surojit Pande	SERB	Synthesis and characterization of (Metal oxide)core - (Metal)shell nanoparticles in quantum dot region and their application in electrocatalysis.	24.93

(ii) Projects sanctioned

PI	Funding Agency	Title of the Project	Amount (in lakhs)
Dr. Madhushree Sarkar	UGC	Crystal Engineering Studies on Post-Synthetically Modified Coordination Polymers	11.9

Projects completed

PI	Funding Agency	Title of the Project	Amount (in Lakhs)
HOD	UGC	UGC-SAP DRS II	70.00
Dr. Anil Kumar	UGC	Novel Synthetic Methodologies for Biologically Important Compounds using Lanthanide Triflates as Lewis Acids in Ionic Liquids	8.77
Dr. Dalip Kumar	CSIR	Design and Synthesis of Novel Bioactive Heterocycles as Anticancer	13.58
Dr. Dalip Kumar & Dr. Anil Kumar	Ranbaxy	Ranbaxy Research Project	27.5
Dr. I. R. Laskar	DST SERB	Syntheses of pure blue-emitting triplet emitter for	22.17

		fabrication of efficient White Organic Light Emitting Diodes (WOLEDs)	
Dr. Indresh Kumar	BITS Pilani (RGI)	Organocatalytic cascade towards substituted Pyrrole-3-carboxyaldehydes: A variation in Paal-Knoor Pyrrole Synthesis	2
Dr. Paritosh Shukla	BITS Pilani (RGI)	Transition metal-catalysed Coupling/Reductive Coupling of saturated Alkyl halides with Electron Withdrawing Alkenes.	2
Dr. Rajeev Sakhuja	BITS Pilani (RGI)	Design & Synthesis of Bile acid Nucleosides conjugates linked via amino acids as potential anticancer agents.	2
Dr. S. K. Saha	UGC	Probing twisted Intramolecular charge transfer fluorescence to characterize the micelles of some Gemini Surfactants	8.438
Dr. Saumi Ray	DST	Synthesis and Detailed Characterization of 'Ship-in-a Bottle' Complexes inside the Micropores and Mesoporous Material	20
Dr. Surojit Pande	BITS Pilani (RIG)	Synthesis and Characterization of Metal (oxide and IrO ₂) Dendrimer-Encapsulated Nanoparticles (DEN ₂) for Catalysis and Electrocatalysis.	2

B. PUBLICATIONS

The faculty of the department published forty five papers in international/national refereed journals during the year.

1. Amit K. Tiwari, Sonu and Subit K. Saha, Aggregation properties and thermodynamics of micellization of gemini surfactants with diethyl ether spacer in water and water-organic solvent mixed media, *J. Chem. Thermodynamics*, 2014, 70, 24.
2. Sonu, Amit K Tiwari, Amrit Sarmah, Ram K Roy, Subit K Saha, Study on photophysical properties and prototropic equilibria of trans-2-[4-(N,N-dimethylaminostyryl)]pyridine, *Dyes Pigment*, 2014, 102, 114.
3. M. Sowmiya, Amit K. Tiwari, Sonu, G. Eranna, Ashok K. Sharma, Subit K. Saha, Study on Binding Interactions of a Hemicyanine Dye with Nanotubes of β -cyclodextrin and Effect of a Hofmeister Series of Potassium Salts, *J. Phys. Chem. C*, 2014, 118, 2735.
4. Amit Kumar Tiwari, Sonu Kumar, and Subit Kumar Saha Effect of Hydroxyl Group Substituted Spacer Group of Cationic Gemini Surfactants on Solvation Dynamics and Rotational Relaxation of Coumarin-480 in Aqueous Micelles, *J. Phys. Chem. B*, 2014, 118, 3582.
5. Sonu, Amit K Tiwari, and Subit K Saha, Study on intramolecular charge transfer processes, solvation dynamics and rotational relaxation of Coumarin 490 in reverse micelles of cationic gemini surfactant, *RSC Adv.* 2014,4, 25210.
6. Amrit Sarmah and Ram Kinkar Roy, A density functional reactivity theory (DFRT) based approach to understand the interaction of cisplatin analogues with protecting agents, *J. Comput. Aided Mol. Des.*, 2014, 28, 1153.
7. Rituparna Bhattacharjee and Ram Kinkar Roy, On the trends of Fukui potential and hardness potential derivatives in isolated atoms vs. atoms in molecules, *Phys. Chem. Chem. Phys.*, 2014, 16, 22237
8. Dalip Kumar, N. Maruthi Kumar, Mukund P. Tantak, Maiko Ogura, Eriko Kusaka and Takeo Ito, Synthesis and identification of α -cyano bis(indolyl)chalcones as novel anticancer agents, *Bioorg. Med. Chem. Lett.* 2014, 24, 5170.
9. Dalip Kumar, V. Arun, Meenakshi Pilania and N. Maruthi Kumar, Organohypervalent Iodine Reagents in the Synthesis of Bioactive Heterocycles in Green Synthetic Approaches for Biologically Relevant Heterocycles (Elsevier).
10. Shiv Dhiman, Kasiviswanadharaju Pericherla, Nitesh K. Nandwana, Dalip Kumar and Anil Kumar, Synthesis of Aza-Fused Isoquinolines through Domino Cross-Aldol Condensation and Palladium-Catalyzed Intramolecular Direct Arylation *J. Org. Chem.*, 2014, 79, 7399.
11. Dalip Kumar, Meenakshi Pilania, V. Arun and Savita Pooniya, C-H arylation of azaheterocycles: A direct ligand-free and Cu-catalyzed approach using diaryliodonium salts, *Org. Biomol. Chem.*, 2014, 12, 6340.
12. Dalip Kumar, Meenakshi Pilania, V. Arun, Bhupendra Mishra, A Facile and Expedient One-Pot Synthesis of α -Keto-1,3,4-oxadiazoles, *Synlett* 2014, 25, 1137.

13. P Kaswan, K Pericherla, Rajnikant, Anil Kumar, Synthesis of 3-arylimidazo[1,2-a]pyridines via CuCl_2 catalyzed tandem dual carbon-nitrogen bonding, *Tetrahedron* 2014, 45, 8539.
14. BS Chhikara, MS Rao, VK Rao, Anil Kumar, KW Buckheit, RW Buckheit Jr., K Parang, Carbocyclodipeptides as modified nucleosides: Synthesis and anti-HIV activities, *Can. J. Chem.* 2014, 92, 1145.
15. S Choudhary, MK Muthyala, Anil Kumar, Ionic liquid phase synthesis (IoLiPS) of 2-aminothiazoles and imidazo[1,2-a]pyridines, *RSC Adv.* 2014, 4, 47368.
16. B S Chhikara, S Kumar, N Jain, A Kumar, R Kumar, Perspective of bifunctional chelating in chemical, biological and biomedical applications, *Chem. Biol. Lett.* 2014, 1, 77.
17. P Nehra, B Khungar, K Pericherla, S C Sivasubramanian, A Kumar, Imidazolium ionic liquid-tagged palladium complex: An efficient catalyst for the heck and suzuki reaction in aqueous medium, *Green Chem.* 2014, 16, 4266.
18. GM. Shelke, VK Rao, K Pericherla, Anil Kumar, An efficient and facile synthesis of vinyl sulfones via microwave-assisted copper triflate catalyzed hydrosulfonylation of alkynes, *Synlett* 2014, 25, 2345.
19. M Jha, GM Shelke, K Pericherla, Anil Kumar, Microwave assisted copper triflate-catalyzed rapid hydration of aryl acetylenes, *Tetrahedron Lett.* 2014, 55, 4814.
20. A. Nasrolahi Shirazi, R. Tiwari, D. Oh, B. Sullivan, Brian; A. Kumar, Y. Beni, K. Parang, Cyclic peptide-selenium nanoparticles as drug transporters, *Mol. Pharm.* 2014, 11, 3631.
21. MK Muthyala, K Veliseti, K Parang and Anil Kumar, Advances in functionalized ionic liquids as reagents and scavengers in organic synthesis, *Curr. Org. Chem.* 2014, 18, 2530 [Invited review].
22. S Choudhary, MK Muthyala, K Parang and Anil Kumar, Ionic liquid-supported sulfonyl hydrazine: A useful reagent for traceless synthesis of pyrazoles, *Org. Chem. Front.*, 2014, 1, 683 [Invited article].
23. M Jha, GM Shelke, Anil Kumar, Catalyst-free one-pot tandem reduction of oxo- and ene-yne-functionalities by hydrazine: Synthesis of substituted oxindoles from isatins, *Eur. J. Org. Chem.* 2014, 3334.
24. $\text{Li}_2\text{SO}_4\text{-Li}_2\text{O-P}_2\text{O}_5$ ionic glass dispersed with [Bmim][PF₆] ionic liquid: Electrical transport and thermal stability investigations, *AIP Conf. Proc.* 2014, 1591, 702.
25. MK Muthyala, S Choudhary, K Pandey, GM Shelke, M Jha, Anil Kumar, Synthesis of ionic liquid-supported diaryliodonium salts, *Eur. J. Org. Chem.* 2014, 2365.
26. R Sakhuja, K Bajaj, SM Abdul Shakoar, Anil Kumar, Microwave-assisted synthesis of benzo-fused seven-membered azaheterocycles, *Mini-Rev. Org. Chem.* 2014, 11, 55.
27. P Khedar, K Pericherla, and Anil Kumar, Copper triflate: An efficient catalyst for direct conversion of secondary alcohols into azides, *Synlett*, 2014, 25, 515.
28. MK Muthyala, S Choudhary, Anil Kumar, Synthesis of ionic liquid-supported hypervalent iodine reagent and its application as 'catch and release' reagent for α -substituted ketones, *RSC Adv.* 2014, 4, 14297.
29. Kiran Soni, Ajay K. Sah, The synthesis of amino acid derived glycoconjugates and the investigation of their anti-inflammatory and analgesic properties. *RSC Adv.*, 2014, 4, 6068.
30. S. S. Pasha, P. Alam, S. Dash, G. Kaur, D. Banerjee, R. Chowdhury, N. Rath, A. R. Choudhury, I. R. Laskar, Rare Observation of 'Aggregation Induced Emission' in Cyclometalated Platinum(II) Complexes and their Biological Activities, *RSC Adv.*, 2014, 4, 50549.
31. P. Alam, G. Kaur, C. Climent, S. Pasha, D. Casanova, P. Alemany, A. R. Choudhury, I. R. Laskar, New 'Aggregation Induced Emission (AIE)' Active Cyclometalated Iridium(III) Based Fluorescent Sensors: High Sensitivity for Mercury(II) Ions, *Dalton Trans.*, 2014, 43, 16431.
32. P. Alam, P. Das, C. Climent, M. Karanam, D. Casanovac, A. R. Choudhury*, P. Alemany, N. I. R. Jana, I. R. Laskar, Facile Tuning of the Aggregation Induced Emission Wavelength in a Common Framework of a Cyclometalated Iridium(III) Complex: Micellar Encapsulated Probe in Cellular Imaging, *J. Materials Chem. C*, 2014, 2, 5618.
33. P. Alam, M. Karanam, D. Bandyopadhyay, A. R. Choudhury, I. R. Laskar, Aggregation Induced Emission Activity in Iridium(III)-Diimine Complexes: Investigations of Their Vapochromic Properties, *Eur. J. Inorg. Chem.* 2014, 23, 3710.
34. A. K. Dutta, P. U. Manohar, N. Vaval and S. Pal; Ground state of naphthyl cation: Singlet or Triplet?; *J. Chem. Phys.* 2014, 140, 114312.
35. Indresh Kumar, N. A. Mir, P. Ramaraju, D. Singh, V. K. Gupta and Rajnikant, Direct catalytic synthesis of densely substituted 3-formylpyrroles from imines and 1,4-ketoaldehydes, *RSC Adv.* 2014, 4, 34548.

36. Indresh Kumar, 1,3-Carbon D–A strategy for [3 + 2] cycloadditions/annulations with imines: synthesis of functionalized pyrrolidines and related alkaloids, *RSC Adv.*, 2014, 4, 16397.
37. Rajeev Sakhuja, M. Vashist, Y. K. Bhoon, S. C. Jain, Phytochemical Investigation of *Tabebuia palmeri*, *Chem. Nat. Comp.*, 2014, 49, 1039.
38. C. E. Canal, D. Morgan, D. Felsing, K. Kondabolu, N. E. Rowland, K. L. Robertson, Rajeev Sakhuja, R. G Booth, A novel aminotetralin-type serotonin (5-HT) 2C receptor-specific agonist and 5-HT2A competitive antagonist/5-HT2B inverse agonist with preclinical efficacy for psychoses., *J. Pharmacol. Exp. Ther.* 2014, 349, 310.
39. A. I. Jaman, Shamik Chakraborty and R. Bhattacharya, Millimeterwave rotational spectrum and theoretical calculations of *cis*-Propionic acid, *J. Mol. Str.*, 2014, 1079, 402,
40. Otto Dopfer, Alexander Patzer, Shamik Chakraborty, Ivan Alata, Reza Omidian, Michel Broquier, Claude Dedonder, and Christophe Jouvet, Electronic and vibrational spectra of protonated benzaldehyde-water clusters $[BZ-(H_2O)_n \leq 5]H^+$: Evidence for ground-state proton transfer to solvent for $n \geq 3$. *J. Chem. Phys.* 2014, 140, 124314.
41. Kumari Suman, Fayaz Baig, Rajnikant, Vivek K. Gupta, Sanjay Mandal and Madhushree Sarkar, Is metal metathesis a framework-templating strategy to synthesize coordination polymers (CPs)? Transmetalation studies involving flexible ligands, *RSC Adv.*, 2014, 4, 36451.
42. P. C. Pande, Saumi Ray, Mesh size effect on CFD simulation of gas-fluidized Geldart A particles, *Powder Technol.*, 2014, 264, 43.
43. P. Fageria, S. Gangopadhyay, S. Pande, Synthesis of ZnO/Au and AnO/Ag Nanoparticles and Their Photocatalytic Application Using UV and Visible Light, *RSC Adv.*, 2014, 4, 24962.
44. P. Hajra, S. Shyamal, H. Mandal, P. Gageria, S. Pande, C. Bhattacharya, Photocatalytic activity of Bi₂O₃ Nanocrystalline Semiconductor developed via Chemical-bath Synthesis, *Electrochim. Acta*, 2014, 123, 494-500.
45. H. Mandal, S. shyamal, P. Hajra, B.Samanta, P. Fageria, S. Pande, C. Bahttachraya, Improved photoelectrochemical water oxidation using wurtzite AnO semiconductors synthesized through simple chemical bath reaction, *Electrochim. Acta* 2014, 141, 294.

C. CONFERENCES ATTENDED/PAPERS PRESENTED

1. S. Pande and P. Fageria, ZnO/Au, ZnO/Ag, and Heterostructure of ZnO/ZnS Nanoparticles: Synthesis, Characterization, and Photocatalysis Under UV and Visible Light, 3rd International Conference on Physics at Surfaces and Interfaces (PSI 2014) at Puri organized by Institute of Physics, Indian Association for the Cultivation of Science etc, during 24-28 February, 2014. Paper presented as Poster.
2. P. Fageria and S. Pande, Synthesis of ZnO/Au and ZnO/Ag nanoparticles and their photocatalytic application using UV and visible light, 6th International Conference on Nanoscience and Technology (ICONSAT 2014) at Mohali, Punjab, organized by Institute of Nanoscience and Technology and Punjab University, during 2-5 March, 2014. Paper presented as Poster.
3. P. Fageria and S. Pande, Morphology dependent synthesis of ZnO nanoparticles on graphitic(g)-carbon nitride surface: An efficient visible light photocatalyst, National Conference on Nano- and Functional Material (NFM 2014), organized by BITS Pilani, during 7-8 November, 2014. Paper presented as Poster.
4. Archana Choudhary, Bidisa Das and Saumi Ray, Experimental and Theoretical Evidence for Encapsulation of Ni Salen complex in Zeolite Y, National Conference on Nano- and Functional Materials (NFM 2014), organized by the Department of Chemistry, BITS Pilani, Rajasthan, November 7-8, 2014.
5. F. Baig, S. Kumari and M. Sarkar, Is hydrogen bonding along with flexible alkyl chain a way to generate dynamic coordination polymers? A case study on coordination polymers derived from bis-pyridyl diamide ligands National Conference on Recent Developments in Chemical Sciences (NCRDCS 2014) during 25-26 February, 2014, held at Guru Jambheshwar University of Science and Technology, Hisar, Haryana
6. F. Baig and M. Sarkar, Study of the Structural Features of di-imine based ligands in order to correlate the structure-property relationship and a brief review on their applications, National Conference on Nano- and Functional Materials (NFM-2014), organized by Department of Chemistry, BITS Pilani, Pilani Campus, Rajasthan, 7-8 November 2014
7. S. Kumari and M. Sarkar, Study on the Structural Transformations of Coordination Polymers derived from *Bis*-Pyridyl Diamide Ligands on Exchange of Metal Centre and Counter Anions, National Conference on Nano- and Functional Materials (NFM-2014), organized by Department of Chemistry, BITS Pilani, Pilani Campus, Rajasthan, 7-8 November 2014
8. R. Bhattacharjee and R. K. Roy, Hardness Potential Derivatives: An Alternative Approach towards Chemical Reactivity, Gordon Research Seminar and Conference on Computational Chemistry

- organized by Gordon Research Conference, Mount Snow Resort, West Dover VT, United States, July 19-25, 2014
9. A. Sarmah and R. K. Roy, An Alternative Approach to Understand the Interaction of Gold-clusters with DNA NCRDCS 2014, held in GJUST, Hisar, February 25-26, 2014. (Oral Presentation)
 10. A. Sarmah and R. K. Roy, Application of DFT Based Approach to Design and Fabrication of Hybrid Nanomaterials. RTCET 2014, held in Dept. of Chemistry, NIT Hamirpur, Himachal Pradesh, May 29-30, 2014. (Oral Presentation)
 11. A. Sarmah and R. K. Roy, Modeling of Anti-ferromagnetic Coupling in Co-complexes, NFM 2014, organized by Dept. of Chemistry, BITS Pilani, Pilani Campus, November 7-8, 2014. (Oral Presentation)
 12. S. Kumari, S.M A. Shakoor, R. Sakhuja, Fluorescent Labeling of Amino Acids *via* Click Chemistry, 20th ISCB International conference on recent advances and current trends in chemical and biological sciences, organized by Department of Chemistry, University of Delhi, New Delhi during March, 1-4, 2014.
 13. Hitesh Kumar Saini, Kasiviswanadharaju Pericherla, Shiv Dhiman, and Anil Kumar, Direct approach towards the synthesis of imidazo[1,2-f]phenanthridines by palladium catalyzed C–H bond functionalization, 20th ISCB International conference on recent advances and current trends in chemical and biological sciences, organized by Department of Chemistry, University of Delhi, New Delhi during March, 1-4, 2014.
 14. V. Kameswara Rao, Ganesh M. Shelke, Pinku Kaswan and Anil Kumar, Synthesis of naphthofurans *via* iodine mediated oxidative cyclization of 1-(1-arylvinylnaphthalen-2-ol, 20th ISCB International conference on recent advances and current trends in chemical and biological sciences, organized by Department of Chemistry, University of Delhi, New Delhi during March, 1-4, 2014.
 15. Ganesh M. Shelke, Mukund Jha, and Anil Kumar, Synthesis of substituted oxindoles from isatins by one-pot tandem reduction of oxo- and ene-yne- functionalities by hydrazine, 20th ISCB International conference on recent advances and current trends in chemical and biological sciences, organized by Department of Chemistry, University of Delhi, New Delhi during March, 1-4, 2014.
 16. Khima Pandey and Anil Kumar, Synthesis of novel ionic liquid-supported Mukaiyama reagent and its application as coupling reagent in amide bond formation, 20th ISCB International conference on recent advances and current trends in chemical and biological sciences, organized by Department of Chemistry, University of Delhi, New Delhi during March, 1-4, 2014.
 17. Manoj Kumar Muthyala, Sunita Choudhary, Khima Pandey and Anil Kumar, Tagged hypervalent iodine (III) reagents: A new liaison between diaryliodonium salts and ionic liquids, 20th ISCB International conference on recent advances and current trends in chemical and biological sciences, organized by Department of Chemistry, University of Delhi, New Delhi during March, 1-4, 2014.
 18. Mukund P. Tantak, N. Maruthi Kumar, Anil Kumar and Dalip Kumar, Hydrazones of indole-2(3)-carboxylic acid hydrazides: Synthesis and preliminary evaluation as anticancer agents, 20th ISCB International conference on recent advances and current trends in chemical and biological sciences, organized by Department of Chemistry, University of Delhi, New Delhi during March, 1-4, 2014.
 19. Nitesh Kumar Nandwana, Pinku Kaswan, Kasiviswanadharaju Pericherla, and Anil Kumar, Synthesis ofazole-fused-quinazolines *via* one-pot sequential Ullmann type C–N bonding and intramolecular dehydrogenative C–N coupling, 20th ISCB International conference on recent advances and current trends in chemical and biological sciences, organized by Department of Chemistry, University of Delhi, New Delhi during March, 1-4, 2014.
 20. Poonam Khedar, Kasiviswanadharaju Pericherla and Anil Kumar, Direct conversion of alcohols into azides using $\text{TMSN}_3/\text{Cu}(\text{OTf})_2$, 20th ISCB International conference on recent advances and current trends in chemical and biological sciences, organized by Department of Chemistry, University of Delhi, New Delhi during March, 1-4, 2014.
 21. Sunita Choudhary, Saroj, Manoj Kumar Muthyala and Anil Kumar, Ionic liquid-supported azide: An efficient soluble scavenger for alkynes, 20th ISCB International conference on recent advances and current trends in chemical and biological sciences, organized by Department of Chemistry, University of Delhi, New Delhi during March, 1-4, 2014.
 22. Shiv Dhiman, Kasiviswanadharaju Pericherla, Dalip Kumar and Anil Kumar, Synthesis of imidazo[2,1-a]isoquinoline derivatives *via* domino aldol condensation and palladium catalyzed C–H bond functionalization, 20th ISCB International conference on recent advances and current trends in chemical and biological sciences, organized by Department of Chemistry, University of Delhi, New Delhi during March, 1-4, 2014.
 23. Sunita Choudhary, Manoj Kumar Muthyala, and Anil Kumar, Synthesis of aza-heterocycles using ionic liquid-supported hypervalent iodine(III) reagent through catch and release strategy, 20th ISCB

International conference on recent advances and current trends in chemical and biological sciences, organized by Department of Chemistry, University of Delhi, New Delhi during March, 1-4, 2014.

24. S. Kumari, S.M A. Shakoar, R. Sakhuja, Amino Acid/peptides based Fluorescent Labels : Synthesis and Photo-physical studies, National conference on nano and functional materials (NFM-14), organized by Department of Chemistry, BITS, Pilani, Pilani Campus, Rajasthan during November, 7-8, 2014.
25. Shiv dhiman, Kasiviswanadharaju Pericherla, Nitesh K. Nandwana, Dalip Kumar and Anil Kumar, Palladium-catalyzed cross-aldol/intramolecular direct arylation: An easy access to aza-fused isoquinolines, International Symposium on "Recent Advances in Medicinal Chemistry" held at NIPER-S.A.S. Nagar during 8th - 10th Sept. 2014.
26. Pinku Kaswan, Kasiviswanadharaju Pericherla, Hitesh Kumar Saini, and Anil Kumar, Tandem one-pot, three-component reaction of methyl ketones, aldehydes and 2-aminopyridines for the synthesis of 3-arylimidazo[1,2-a]pyridines, International Symposium on "Recent Advances in Medicinal Chemistry" held at NIPER-S.A.S. Nagar during 8th - 10th Sept. 2014.
27. P. Shukla, A. Sharma, and B. Pallavi, "Design and Synthesis of Pyrazolopyran Derivatives Possessing Anticancer Activities Targeting Receptor Aurora Kinases", National Conference on Recent Trends in Research in Chemical Sciences (RTRSC2014), organized by the Dept. of Chemistry, Manipal University, Jaipur, Rajasthan, February 21-22, 2014.
28. Dinesh Kumar and Dr. Prashant Uday Manohar attended workshop on Q-Chem 4 organized by IISER, Pune on December 17, 2014 and delivered a scientific talk on Equation-of-motion coupled-cluster methods and demonstrated the EOM-CC job logistics by discussing specific examples for creating an input file for Q-Chem job and analysis of the output file.
29. Dinesh Kumar and Dr. Prashant Uday Manohar presented a poster entitled "Some cost-effective intermediate variants of coupled-cluster based methods for open-shell states of molecules" in the Theoretical Chemistry Symposium (TCS 2014) organized by National Chemical Laboratory, Pune during December 18-21, 2014.

D. BOOKS PUBLISHED/EDITED DURING THE YEAR: Nil

E. CONFERENCES, SEMINARS & WORKSHOPS CONDUCTED:

Department of Chemistry organized National Conference on Nano- and Functional Materials (NFM 2014) during November 7-8, 2014.

F. INVITED TALKS GIVEN BY BITS FACULTY

Faculty members of the department delivered invited lectures at following conferences/symposia during the year.

1. Anil Kumar, Synthesis of novel heterocyclic compounds using transition metal-catalyzed direct (hetero)arylation, National Symposium on Transcending Frontiers in Organic Chemistry (TFOC- 2014) held at the National Institute for Interdisciplinary Science and Technology at CSIR-NIIST, Trivandrum during October 09-11, 2014.
2. Anil Kumar, Transition metal-catalyzed inter- and intramolecular (hetero)arylation by C-H functionalization, International Symposium on "Recent Advances in Medicinal Chemistry" held at NIPER-S.A.S. Nagar during 8th - 10th Sept. 2014.
3. Anil Kumar, Transition metal-catalyzed C-H functionalization and tandem reactions for synthesis of imidazo[1,2-a]pyridine based heterocyclic compounds, 20th ISCB International conference on recent advances and current trends in chemical and biological sciences, organized by Department of Chemistry, University of Delhi, New Delhi during March, 1-4, 2014.
4. Anil Kumar, Application of ionic liquids in organic synthesis, Ranbaxy Laboratories, Gurgaon, December 17, 2014.
5. Ajay K Sah, Design, Synthesis and Reactivities of Amino Acid derived Glycoconjugates, 29th Carbohydrate Conference organized by Center of Innovative and Applied Bioprocessing (CIAB), jointly with Association of Carbohydrate Chemists & Technologists (India), ACCT(I) during December 29 - 31, 2014 at IISER Mohali.
6. Dalip Kumar, Remarkable Linking Effect on Photocytotoxicity of Porphyrin Conjugates with DNA Binding Agents, 51st Annual Convention of Chemists, held on December 9-12, 2014 at Kurukshetra University, Kurukshetra,
7. Dalip Kumar, Synthesis and discovery of triazole-linked cationic porphyrin hybrids as effective photoinduced anticancer agents, International Symposium on "Recent Advances in Medicinal Chemistry" held at NIPER-S.A.S. Nagar during 8th - 10th Sept. 2014.

8. S. Pande, ZnO/Au, ZnO/Ag, and Graphitic(g)-C₃N₄/ZnO nanoparticles: Synthesis and application towards organic pollutants degradation under visible light, National Conference on Nanochemistry, organized by Department of Chemistry, SHIATS (formerly Allahabad Agricultural University), Allahabad, during 11-12 November, 2014 (Invited Lecture).
9. Rajeev Sakhujia, Studies on the synthesis and Binding Affinities of 4-Substituted 2-Dimethylaminotetralins at Serotonin 5-HT₂-type G Protein-Coupled Receptors, National conference on Advanced Scientific Development in Chemical Sciences–(ASDCS-14), organized by Department of Chemistry, Deenbandhu Chhotu Ram University of Science and Technology (DCRUST), Murthal on 14th March 2014.
10. Indresh Kumar, Sustainable development in the area of asymmetric synthesis on 03.01.2014 during UGC Refresher Course entitled "Newer Frontiers of Chemical Sciences for a sustainable Future" organized by UGC-ASC University of Rajasthan, Jaipur from 27.01.2014 to 15.02.2014.
11. Indresh Kumar, Organocatalytic Cascade Strategy For the Synthesis of Small Molecule Natural Products (SMNPs) during 20th ISCB International Conference (ISCB-2014) from 1-4 March, 2014 at Department of Chemistry, University of Delhi, Delhi.
12. Indresh Kumar, Organocatalytic cascade strategy for synthesis of small molecule natural products (SMNPs) during International Symposium on Recent Advances in Medicinal Chemistry (ISRAM-2014) from September 08-10, 2014 Department of Medicinal Chemistry, NIPER-Mohali.

G. INVITED TALKS ARRANGED IN THE DEPARTMENT

Speaker	Designation	Topic	Date
Dr. Sudeshna Ray AISECT University, Bhopal, India	Assistant Professor	Exploration of new phosphors using a "Mineral-inspired approach" and control of photoluminescence properties of phosphor by "Charge-compensated aliovalent element substitution"	26.09.2014
Dr Ayyappanpillai Ajayaghosh CSIR-NIIST Trivandrum	Dean and Professor of Chemical Sciences	Fluorescent Soft Materials: Design and Applications	09.09.2014

H. AWARDS AND RECOGNITIONS WON BY FACULTY AND STUDENTS

1. Prof. Anil Kumar received Dr. Arvind Kumar Memorial Award from the Indian Council of Chemists (ICC) for the year 2014. The award was presented to him during the inaugural session of the 33rd Annual Conference of ICC at the Department of Chemistry, ISM Dhanbad on December 15, 2014.
2. Dr. Indresh Kumar received "Outstanding Potential for Excellence in Research and Academics" (OPERA) award of the institute..
3. Mukund Tantak received First Prize for his poster presentation in the "National Conference on Emerging Areas of Chemical Education and Research and National Convention of Chemistry Teachers" (NCCT 2014) organized by IIS University, Jaipur during October 16-18, 2014.
4. Pragati Fageria (ID: 2012PHXF017P), Ph. D. student received best poster (first) presentation award in National Conference on Nano- and Functional Material (NFM 2014), organized by Department of Chemistry, BITS Pilani, during 7-8 November, 2104.
5. Kumari Suman received second prize in the oral presentation in the National Conference on Nano- and Functional Materials (NFM-2014), organized by Department of Chemistry, BITS Pilani, Pilani Campus, Rajasthan, 7-8 November 2014
6. Fayaz Baig received third prize in the poster presentation in the National Conference on Nano- and Functional Materials (NFM-2014), organized by Department of Chemistry, BITS Pilani, Pilani Campus, Rajasthan, 7-8 November 2014.
7. P.O. Venkataramana Reddy received the first best poster presentation award in the national conference on "Recent Developments in Chemical Sciences" organized by Guru Jambheshwar University of Science and Technology, Hisar during February 25-26, 2014.
8. Amrit Sarmah received RSC travel grant to attend the Faradays Discussion 173 in London
9. Amrit Sarmah has been selected by Weizmann Institute of Science, Israel for a fully funded week-long visit to Israel to share his research work.
10. Mr. Shashank Rao (a former M.Sc. student of the dept) got special appreciation and a cash prize of Rs. 1000/- in the Theoretical Chemistry Symposium (TCS 2014) organized by National Chemical Laboratory, Pune during December 18-21, 2014. The work was part of thesis carried out under the supervision of Prof. G. Sundar and Dr. Prashant Uday Manohar.

11. Mr. V. Arun and Mr. Ganesh M. Shelke research scholar in the department were awarded CSIR Senior Research Fellowships.

I. FACULTY DEVELOPMENT, INTERNATIONAL COLLABORATION & INDUSTRY IMMERSION

1. Dr. Surojit Pande visited Department of Chemistry, National Taiwan University, Taipei, Taiwan as a visiting scientist, during 2nd June - 11th July, 2014.
2. Dr. Bibhas R. Sarkar Visited Aditya Birla Science and Technology Co. Ltd. (ABSTCL).

J. SIGNIFICANT NEW EQUIPMENTS/EXPERIMENTAL FACILITY ADDED DURING THE YEAR

400 MHz NMR spectrometer (Bruker) with auto-sampler, CH Potentiostat for Electrochemical study from CH Instruments, USA from DST fast track project of Dr. Surojit Pande, Rotaevaporator (Buchi), seven PC's with Ubuntu Linux operating system and scientific softwares such as Q-Chem, Gaussian 09, Gaussview were added in Computational Chemistry Laboratory.

K. DEPARTMENTAL ASSOCIATION/CLUB ACTIVITIES

Activities of Chemistry Association

During the academic year 2014-2015, the association had been involved in various activities. This report summarizes the work done by the association during the year 2014-2015.

Apogee Project Meets: Two Project meets were conducted in order to discuss ideas for projects that were eventually presented during APOGEE 2014. It saw enthusiastic involvement from students of all years. Totally, 13 projects were submitted for APOGEE 2014. Two projects were recognized and bagged the first prize in pure science category and paper presentation.

During APOGEE 2014, two events, *Who-Dunnit* and *Dexter's Lab* (in collaboration with Biology and Chemical Engineering Associations), were conducted by the Chemistry Association. It witnessed high levels of participation and the organizing team received excellent feedback for their efforts.

Farewell to the Batch of 2010 was held at VFAST where all the 42 students of their batch came and received the token of membership from various faculty members. Certificates were given to both the members as well as the post holders of the 2010 batch for their contribution to the Chemistry Association. All the students from various batches got an opportunity to informally interact with various faculty members. Usually, the farewell to the seniors used to be held in the Institute messes. But, this year the venue was changed to VFAST lawns and the move received excellent response.

A get together and interaction session of newly admitted students with 2nd and 3rd year students was organised in the month of Aug 2014 at Sky lawns. The juniors were informed about the educational and structural system of the institute and also about the activities of the association. A formal meet for freshers with senior students and faculty members of the department was held subsequently, at the Lecture Theatre Centre. The meeting was attended by 13 faculty members and a substantial number of 1st, 2nd and 3rd year students. The students were introduced to the faculty and were told about different courses and research areas of the department. Students were also informed about the relevance and activities of the association by the President, Secretary and Apogee coordinator. The meeting finally concluded with refreshments. For the first time, an informal dinner cum interaction session for senior students and faculty members was organised at Vatika Restaurant, with the purpose of strengthening ties between students and faculty. It received excellent response from both the sides, making it a huge success.

About 17 students participated to visit all labs of the Chemistry Department. They interacted with research scholars, got a fair deal of idea about ongoing research and a better understanding of laboratory research & orientation. The visit was very good and students liked the interaction and exposure to labs.

The discussion about prototype presentation during Apogee-2015 happened on 30th Sep 2014. Previous year's projects were shared with all present so that they get an idea about how to choose projects and work accordingly. The second meeting happened on 17th Oct 2014 and project ideas were shared and details of project such as implementation methodology, feasibility etc. were explained. Finally, list of projects with student details was finalized in due time. On 22nd Oct 2014 a total of 15 projects for Apogee-2015 were sent to project review committee out of which 7 projects got selected in first round.

B1.10.5 Department: Computer Science & Information Systems

Number of faculty members (as on 31st December 2014)

Senior Professors, Professors	05
Associate Professors	03
Assistant Professors	07
Lecturers	09
Visiting Faculty	-

Head of the Department: Professor Rahul Banerjee

Contact details: rahul@pilani.bits-pilani.ac.in

Number of PhD Scholars: 10

A. SPONSORED RESEARCH ACTIVITIES & FUNDING

Three ongoing funded research projects from UGC, DietY and DST are in progress.

B. PUBLICATIONS

The faculty of the department published following papers in international refereed journals during the year.

1. Vyas, P. and Mittal, R.K.: "The Applications of SFTA and SFMEA Approaches During Software Development Process: An Analytical Review", International Journal of Critical Computer-Based Systems (IJCCBS), Inderscience (2014).
2. Islam SK Hafizul, "Design and analysis of an improved smartcard based remote user password authentication scheme", International Journal of Communication Systems (Wiley) [SCIE], 2014. DOI:10.1002/dac.2793.
3. Islam SK Hafizul, "Provably secure dynamic identity-based three-factor password authentication scheme using extended chaotic maps", Nonlinear Dynamics (Springer)[SCIE], Vol. 78, no. 3, pp. 2261- 2276, 2014.
4. Islam SK Hafizul, "A provably secure ID-based mutual authentication and key agreement scheme for mobile multi-server environment without ESL attack", Wireless Personal Communications (Springer)[SCIE], no. 79, pp. 1975-1991, 2014.
5. Islam SK Hafizul, Khan M.K., "Provably secure and pairing-free identity-based handover authentication protocol for wireless mobile networks", International Journal of Communication Systems (Wiley) [SCIE], 2014, DOI: 10.1002/dac.2847.
6. Islam SK Hafizul, Khan M. K., "Cryptanalysis and Improvement of Authentication and Key Agreement Protocols for Telecare Medicine Information Systems", Journal of Medical Systems (Springer)[SCIE], Vol. 38, no. 10, pp. 1-16, 2014.
7. Islam SK Hafizul, Khan M.K., Al-Khoury A. M., "Anonymous and provably secure certificateless multireceiver encryption without bilinear pairing", Security and Communication Networks (Wiley) [SCIE], 2014. DOI: 10.1002/sec.1165.
8. Islam SK Hafizul, Biswas G. P., "Dynamic ID-based remote user authentication scheme with smartcard using elliptic curve cryptography", Journal of Electronics (Springer) [SCOPUS], Vol. 31, no. 5, pp. 473-488, 2014.
9. Islam SK Hafizul, Biswas G. P., "Certificateless short sequential and broadcast multisignature schemes using elliptic curve bilinear pairings" Journal of King Saud University - Computer and Information Sciences (Elsevier), Vol. 26, no. 1, pp. 89-97, 2014.
10. Islam SK Hafizul, Biswas G. P., "Cryptanalysis and improvement of a password-based user authentication scheme for the integrated EPR information system", Journal of King Saud University – Computer and Information Sciences (Elsevier) (Accepted on 13th March, 2014).
11. Islam SK Hafizul, F. Li, "Leakage-free and provably secure certificateless signcryption scheme using bilinear pairings", The Computer Journal [SCIE], OXFORD University Press, The British Computer Society (Accepted on 8th January, 2015).
12. Bansal Sunita, Hota Chittaranjan, Hybrid Multi-objective WorkFlow Scheduling on Utility Grids, INFOCOMP Journal of Computer Science, Brazil, Vol.13(1), June 2014, pp.12-20.
13. Bansal Sunita, Hota Chittaranjan, Distributed Scheduling on Utility Grids, Romanian Journal of Information Science and Technology (SCI Expanded), Vol.16, No.4, 2013-14, pp. 373-392.
14. Rajiv Ranjan Singh, Rahul Banerjee, Sailesh Conjeti: A Comparative Evaluation of Neural Network Classifiers for Stress Level Analysis of Automotive Drivers using Physiological Signals, <international journal> Biomedical Signal Processing & Control (BSPC), Elsevier, 2013, Vol. No. 8, pp. 740-754.

15. Ruchir Hajela, Prasanta Bhattacharya, Rahul Banerjee: Project Communicate, Universal Access in Human-Computer Interaction. User and Context Diversity, Lecture Notes in Computer Science Volume 8010, 2013, pp 494-503.
16. Sharma Yashvardhan, Verma Saurabh, Kumar Sumit, U Shivam, "A Context-Based Performance Enhancement Algorithm for Columnar Storage in MapReduce with Hive", International Journal of Cloud Applications and Computing, Volume 3, No. 4, December 2013, pp. 38-50.

C. CONFERENCES

The faculty of the department published following papers in international/national Conferences during the year.

(i) Conferences attended/papers presented outside India:

1. D. Bhatia, V.K. Choudhary, Y. Sharma. TwiBiNG: A Bipartite News Generator Using Twitter. Proceedings of SNOW 2014 Data Challenge, 2014, pp. 70-76.

(ii) Conferences attended/papers presented in India:

1. Rani Asma, Thalia Sunil, "Knowledge driven decision support system for provenance models in relational database", in 2nd IEEE International Conference on Data Science and Engineering (ICDSE), Published in IEEE Xplore, pp 68-75, 26-28 August 2014, Cochin University of Science & Technology, Kochi, India.
2. Gautam Avinash, Apoorv Umang, Mall Prerak, Mohan Sudeept: "Positioning Multiple Mobile Robots for Geometric Pattern Formation: An Empirical Analysis", Seventh International Conference on Contemporary Computing (IC3), August 07-19, 2014, IIIT Noida, Noida, India.
3. Manjusha, K; Shabas, S; Banerjee, Rahul: An Efficient Method of Spam Classification by Multi-class Support Vector Machine Classifier, Proceedings of the Seventh International Conference on Data Mining and Warehousing <ICDMW-2013>, Bangalore, August 9-11, 2013.
4. K Haribabu, and Hota Chittaranjan: "Analysis of Floating Index Caching Technique for P2P Overlay Index Propagation", 16th International Conference on Distributed Computing and Networking (ICDCN 2015), Jan 2015, Goa, India.
5. Mehala N, Bhatia Divyansh and Goyal Poonam: "An Approach for Search Result Topic Identification and Labeling", in the Proceedings of the second Conference on Data Sciences (CoDS). ACM SIGKDD, MARCH 18-21, 2014, India.
6. Digalwar Mayuri, Gahukar Pravin and Mohan Sudeept: "Design and Development of a Real Time Scheduling Algorithm for Mixed Task Set on Multi-core Processors". IC3 2014-The Seventh International Conference on Contemporary Computing August 7-9, 2014. IIIT, Noida, India.
7. Mishra M. K., Islam SK Hafizul, Biswas G. P., "Design of ECC-based ElGamal Encryption Scheme using CL-PKC", In: Proceedings of the International Conference in Recent Advances in Information Technology (RAIT 2014), Advances in Intelligent Systems and Computing (Springer), Vol. 266, pp. 27-34, 2014.
8. Goyal Poonam Goyal, Kumari Sonal, Kumar Dhruv, Balasubramaniam Sundar, Goyal Navneet: "Parallelizing OPTICS for Multicore System," 07th ACM Compute Conference, Nagpur, 09th-11th October, 2014.
9. Goyal Poonam, Kumari Sonal, Kumar Dhruv, Balasubramaniam Sundar and Goyal Navneet, "Parallelizing OPTICS for Multicore Systems", 7th ACM COMPUTE 2014, October 9-11, Nagpur, India

D. BOOKS PUBLISHED/EDITED /CHAPTER WRITTEN DURING THE YEAR:

NONE

E. CONFERENCES, SEMINARS & WORKSHOPS CONDUCTED

1. Indo-Chile Workshop on Big Data 2014 (ICWBD 2014) was successfully held at BITS-Pilani, KK Birla Goa Campus from 4th June to 6th June, 2014. Jointly organized by Departments of Computer Science and Information Systems of Pilani and KK Birla Goa campuses in association with Department of Science & Technology (DST) Ministry of Science & Technology, Government of India and National Commission for Scientific & Technological Research (CONICYT), Ministry of Education, Republic of Chile. ICWBD attracted more than 50 external participants and many BITS students and faculty. The participants got exposed to the ongoing research trends in the field of BIG DATA through talks from 16 speakers which included 6 speakers from Chile and remaining from India. Apart from this, the workshop also hosted a talk by Dr. Arenas Gonzalo, Director of International Relations Programme of CONICYT, which is main research funding agency of Chile, about the prospects of Indo-Chile collaboration in academic research in the area of BIG DATA and other related areas.

Workshop Organizers: Professors Navneet Goyal, Poonam Goyal, Sundar B, & Bharat M Deshpande

Coordinators: Prof. Navneet Goyal (India) & Prof. Eduardo Vera

F. INVITED TALKS GIVEN BY BITS FACULTY

1. Rahul Banerjee: "Body Area Networks: Safety & Security Concerns and Emerging Solution Approaches", Invited Talk, International Conference on Secure Knowledge Management in Big Data "Era: SKM-2014, Dubai, December 8-9, 2014.
2. Goyal Navneet, Goyal Poonam: "DATA MINING: Opportunities & Challenges" in National Workshop on "Data Mining & Big Data Analytics" at Amity University Rajasthan, Jaipur, 11th -12th November 2014.
3. Goyal Navneet: "BIG DATA ANALYTICS": INDO-CHILE WORKSHOP on BIG DATA (ICWBD 2014), 04th-06th June, 2014, K K Birla Goa Campus, Goa
4. Goyal Navneet: "BIG DATA ANALYTICS: Big Challenges, Bigger Opportunities" in Emerging Trends in IT, 2014 (ETIT 2014), LNMIIT, Jaipur, 14-15 February, 2014
5. Shekhawat V.S., Software Defined Networking: A Paradigm to Program and Control the Networks. National Conference on Security in Computer Networks and Distributed Systems, 9-10 Jan 2014 at Govt. Engineering College, Ajmer, Rajasthan

G. INVITED TALKS ARRANGED IN THE DEPARTMENT

1. Sheila S Hemani, Professor & Chair, Electrical & Computer Engineering Northeastern University Boston & Kaushik Choudhary "Research Opportunities in EECS" 3rd Nov., 2014.
2. Idaku Ishii, Professor of Robotics Laboratory at Hiroshima University, Japan. "Recent Research in Robotics", 7th Nov., 2014.

H. AWARDS AND RECOGNITIONS WON BY FACULTY AND STUDENTS

1. A research paper : Islam SK Hafizul, Biswas G. P., "A Provably secure identity-based strong designated verifier proxy signature scheme from bilinear pairings", Journal of King Saud University - Computer and Information Sciences (Elsevier), Vol. 26, no. 1, pp. 55-67, 2014, received the distinction of being in the top 20 most cited papers in May, 2013.

I. FACULTY DEVELOPMENT, INTERNATIONAL COLLABORATION & INDUSTRY IMMERSION

1. Dr. Sundaresan, Assistant Professor, attended a National workshop organized by NVidia Corporation, CDAC Pune and CCOE IIT Bombay on GPU Programming and Applications held at IIT Guwahati in September 2014.
2. Dr. Sharma Yashvardhan, Assistant Professor, spent 8 weeks (from May 15 to July 15, 2014) in the School of Electrical Engineering and Computer Science at Oregon State University, Corvallis, US.

J. SIGNIFICANT NEW EQUIPMENTS/EXPERIMENTAL FACILITY ADDED DURING THE YEAR

S.No.	Software/Equipment	No. of Licenses or Quantity
1.	Bluetooth UART Module	01
2.	Arduino UnoR3	01
3.	Robo Omni: 4 wheeled	01
4.	Sony Projector VPL EX241 32001mxGA	01
5.	ATEN CS1316 KVM Switch	01
6.	Ruckus Flat mount Bracket-7372	15
7.	Ruckus Flat mount Bracket-7055	04
8.	Ruckus Zoneflex Model 7372	15
9.	Ruckus Zoneflex Model 7055	04
10.	42 U Rack	01
11.	Annotator Wacom	01
12.	Turtlebot 2	02
13.	Dell Optiplex 3020 Minitower CTO i5 4570 Processor	108
14.	Dell Optiplex 9020 Minitower CTO i5 4570	02
15.	Firebird V2560	07
16.	Sharp GP2YOA21YKOF Infrared Range Sensor	28

S.No.	Software/Equipment	No. of Licenses or Quantity
17.	Zigbee Modules 100m Range	07
18.	Zigbee Modules Adaptor	07
19.	AVRISPMK11 USB Prog.	01
20.	ATMGGA2560 Dev. Board	02
21.	12V, 1 AMP SMPS	02
22.	EX3300, 24-port 10/100/1000 Base T Switch	02
23.	EX3300, 48 Port 10/100/1000 Base T Switch	03
24.	SFP+10G Base-SR 10 Gigabit Ethernet	02
25.	SFP+10 Gigabit Ethernet Direct Attatch Copper 7 m for VC	04
26.	SFP 1000 Base-T Copper Trans. Module for upto 100 m trans on Cat5	04
27.	HP DL580p Gen 8 Svr	01
28.	X3250 M4 Xeon 4C E31230V269 W 3.3 GHz Servers	16
29.	HP LaserJet Printer P3015-DN	01

K. DEPARTMENTAL ASSOCIATIONS ACTIVITIES

K.1 List of events organized by the Computer Science Association:

Month	Name of the Event	Date	Venue
January	Alumni Research Talks 3.0	17 th -19 th	LTC
	Sweatshirt Signings	23 rd	Bhawan messes
	ART Review Meet	26 th	3160
February	Qrious	10 th	Online
	CyberQuiz		Online
March	Coder	22 nd	Online
	Anti-Coding	26 th	1101
	Istrike	27 th	3115
	Smash The Bug	27 th	1101,1102
	Mind-Sweeper	28 th	IPC 1102,1105
	CodeStorm	28 th	1101,1102,1138
	Hackathon	28 th	LTC QT
April	APOGEE Review Meet	9 th	3160
	Farewell Grub	30 th	RPA mess
May	Farewell Memento Distribution	3 rd	LTC QT
	Executive Committee Declaration	4 th	SAC
August	CSA Orientation	8 th	LTC 5102
	Recruitments- first years and second years	12 th	Sky Lawns
	Workshop on Web Designing Basics	18 th	LTC 5105
	Mind Turner	23 rd	LTC 5102
	Competitive Programming Special Interest Group(CPSIG)	24 th	LTC 5102
	CPSIG	30 th and 31 st	LTC 5102

Month	Name of the Event	Date	Venue
September	Intra CSA Session	13 th	2207
	CPSIG	14 th and 15 th	LTC 5102
	First Project Meet	16 th	LTC 5102
	CPSIG	25 th	LTC 5102
	Intra-CSA idea discussion meet	26 th	2207
	Summer Internship Talk	27 th	LTC 5105
	Second Project Meet	28 th	LTC 5102
	CPSIG	28 th	LTC 5102
	Parallel Computing Session 1	29 th	LTC 5102
October	Parallel Computing Session 2	17 th	LTC 5105
November	Parallel Computing Session 3	11 th	LTC 5105
	ART meet	16 th	SAC
	ART mess signings	23 rd	Bhawan messes
	Farewell memento distribution	25 th	5101
	Farewell Grub	25 th	RPA and VKB messes

K.2 List of events organized by the Information Systems Association:

Month	Name of the Event	Date	Venue
January	Apogee '14 project meet	18 th	LTC 5105
February	-		
March	Qrious	15 th	Online
	Coder	22 nd	Online
	3 D treasure Hunt	29 th	IPC
	Hackathon	29 th	LTC QT
	Smash the bug	28 th	IPC
	Mindsweeper	28 th	IPC
	Triathlon	29 th	IPC
	C-Doku	27 th	IPC
April	Microsoft Code-Fun-do	4 th	LTC – 5102
	Farewell Grub	26 th	RPA & VKB
	2014-15 Executive Committee Declaration	27 th	
May	Farewell Memento Distribution	27 th	VFAST
June	-		
July	-		
August	Bomber man	9 th	6116-6117
	1 st / 2 nd year Orientation & recruitment	14 th	2203
September	ISA Apogee 15 Project meet – 1	25 th	5105
October	ISA Apogee 15 Project meet – 2	15 th	5106
	ISA Project Submission	20 th	RPA-VKB Mess
November	Farewell dinner and memento distribution	25 th	

B1.10.6 Department: Economics and Finance

Number of faculty members (as on 31 December 2014)

Professors	01
Associate Professor	01
Assistant Professor	05
Visiting Faculty and Lecturer	01

Head of the Department: Dr. Arvind Sudarsan**Contact details:** arvinds13@pilani.bits-pilani.ac.in**Number of PhD Scholars:** 09**A. PUBLICATIONS**

The faculty of the department published the following papers in international/national refereed journals during the year.

1. Madhu Sehrawat and A K Giri, "The relationship between Financial Development Indicators and Human Development in India", *International Journal of Social Economics, Emerald Publishing Limited* Vol. 41, Issue 12, pp. 1194 – 1208.
2. Madhu Sehrawat and A K Giri, "Financial Development and Income Inequality in India: An Application of ARDL Approach", *International Journal of Social Economics, Emerald Publishing Limited, Vol. 42* Issue 1, pp. 64-81.

B. CONFERENCES

The faculty of the department published the following papers in international/national Conferences during the year.

1. Madhu Sehrawat and A K Giri, "Financial development and economic Growth: empirical evidence from India" paper presented at National Seminar of Input Output Economics: Application of Planning, Growth & Development Issues in Indian Economy, *Gokhale Institute of politics and Economics*, 31st Jan- 2nd Feb 2014, Pune, India.
2. Madhu Sehrawat and A K Giri, "The relationship between Financial Development Indicators and Human Development in India: An application of ARDL Approach", paper presented at 4th International Conference on Applied Econometrics, *IBS Hyderabad*, 20th -21st March 2014, Hyderabad.
3. Pooja Joshi and A K Giri, "Fiscal Deficits and Stock Prices in India: An Empirical Evidence", Paper presented in 4th *International Conference on Applied Econometrics*, IBS Hyderabad, 20-21 March 2014, Hyderabad, India.
4. Madhu Sehrawat and A K Giri, "Financial Development and Poverty reduction: Panel data analysis of Asian Countries", paper presented at National Seminar on Applications of Panel Data, *Centre for Economic and Social Studies (CESS)*, Hyderabad, 25th-26th March 2014.
5. Geetilaxmi Mohapatra and A K Giri, "Impact of Environmental Degradation on Human Development: An Empirical Study for India", paper presented in the *National Seminar on Environment and Economic Development*, North Orissa University, 27 – 28 March, 2014
6. Madhu Sehrawat and A K Giri, "Financial development index, trade openness and economic growth in India: re-examining the nexus" paper presented at Empirical Issues in International Trade and Finance (EIITF), *IIFT Delhi Campus*, New Delhi, 18th-19th December, 2014.

C. BOOKS PUBLISHED / WRITTEN DURING THE YEAR: None**D. BOOK CHAPTERS PUBLISHED / WRITTEN DURING THE YEAR:** None**E. INVITED TALKS GIVEN BY BITS FACULTY :** None**F. AWARDS AND RECOGNITIONS WON BY FACULTY AND STUDENTS :** None**G. DEPARTMENTAL ASSOCIATION/CLUB ACTIVITIES**

Economics and Finance Department took various steps during the year to strengthen the course curriculum and teaching pedagogy of various courses offered by the department. The main emphasis continued to be on development of analytical skills, intellectual capability, and problem solving ability by fostering interdisciplinary approach to the degree programs offered.

Department faculty actively participated in teaching off-campus courses like Project management, Financial Management and Project Appraisal. Seminars were organized during the semester wherein faculty members and research scholars shared their research findings and developments with regard to their research work. Faculty members of the department had been actively involved in their research pursuit by guiding and acting as Doctoral Advisory Committee members for more than 10 candidates pursuing their PhD on campus and off-campus programme.

The students gained practical experience in studying and analyzing various aspects of the subject in areas such as financial analysis, business valuation, microfinance issues, monetary policy issues, environmental economics issues, Indian economic development, econometric modeling and quantitative applications of economics and Finance through project work undertaken as part of various courses, as study oriented projects, computer projects and special projects undertaken directly under the supervision of faculty members. More than 80 projects in the above mentioned areas were individually supervised by the faculty members during 2014.

As per the EFA plan the sweatshirt distribution was done in January successfully.

EFA had two events during APOGEE 2014: SMS, and BITSIAN CEO. Stock Market Simulation, popularly known as SMS was designed on the concept of live trading floor. The event recorded 500+ participation from different colleges of the country and was the kernel event of the technical festival. It was in association with DSIJ and Trademogul. BITSIAN CEO had a quiz and a case study round. A decent number of projects were displayed in the finals of Project Competition of Apogee. Out of 50 abstracts submitted, 14 made the final cut.

A farewell program was organised for the economics and finance students of batch 2010 at the end of the 1st semester.

Economics and Finance Association started the new semester in August with interaction with the new batch of first year Economics and students in first week. The T-shirt signing was done at the end of the month.

A team of 10 students represented BITS Pilani in the Economics fest, Shri Venkateshwara College, Delhi in September for various events. The students won various prizes at the different events which included Paper Presentation, Economics quiz, Treasure run and Virtual trade Marketing.

A presentation series was conducted with the first yearites to give them an exposure of economic concepts wherein they were supposed to prepare a presentation on a given topic with the help of a senior and present it in the presence of an audience.

In September a new event 'Monopoly' was conducted in association with the Mathematics department which saw a participation of over 100+ students and 8 teams were selected for the final round.

The farewell was conducted at the end of November, bidding farewell to the Economics and Finance students of batch 2011.

B1.10.7 Department: Electrical, Electronics & Instrumentation**Department: Electrical, & Electronics Engineering****Number of faculty members (as on 31 December 2014)**

Senior Professors, Professors	05
Associate Professors	03
Assistant Professors	09
Lecturers	18

Head of the Department: Dr. Anu Gupta**Contact details: anug@pilani.bits-pilani.ac.in****Number of PhD Scholars: full time 12, Part time 3****A. Sponsored Research/ development activities:**

- Dr. Rajneesh Kumar (PI), Prof Hari Om Bansal (co-PI) ---, Design and development of an efficient soft switching converter with adaptive maximum power point tracker (MPPT) controller for a standalone photovoltaic power generation system , Ministry of New and Renewable Energy (MNRE), New Delhi, Govt. of India, MNRE, 29.39 Lakhs, 2 years (2014-16)
- Dr. K. K. Gupta (co-I) - Roof top Rainwater Harvesting for Safe, Potable and Healthy Drinking Water and Ground Water Replenishment for BITS Pilani, Pilani campus, 91 Lakhs, Centre of Excellence in Waster, Water and Energy Management, Birla Institute of Technology and Science, Pilani (2014-17)
- Dr. Navneet Gupta (PI) --- Modeling- Design And Analysis Of Microstrip Patch Antennas And Arrays For Wireless Communication, 16.49 lakhs, UGC Major Research Project (recommended in Interface meeting)
- Dr. Anu Gupta (PI) - design, and Development of Silicon Prototype of Power Efficient Asynchronous Data-Converter, 12.82 lakhs, UGC Major Research Project (recommended in Interface meeting)

B. Publications:

The faculty of the department published 30 papers in international/national refereed journals during the year.

1. Priya Gupta, Anu Gupta and Abhijit Asati, "Design and Implementation of N-Bit Sub-Threshold Kogge Stone Adder with Improved Power Delay Product," European Journal of Scientific Research, Volume 123, No 1, 106-116, June, 2014. (ISSN: 1450-216X/1450-202X)
2. Abhijit Asati, "Logic Design Style based NBTI Degradation Study using Verilog," International Journal of Emerging Technologies in Computational and Applied Sciences, Issue10 ,Volume 3, pp. 207-213, September-November, 2014, ISSN: 2279-0055 (Online) ISSN : 2279-0047 (Print)
3. Pradyumn Chaturvedi, Shailendra Jain and Pramod Agarwal, "Carrier Based Neutral Point Potential Regulator with Reduced Switching Losses for Three-Level Diode Clamped Inverter", IEEE Transaction on Industrial Electronics, Vol. 61, Issue 2, Feb 2014, pp. 613-624, Citation Index 10, Impact Factor 6.5.
4. Navneet Gupta and Rituraj Raman, "Selection of Microstrip Patch Antenna Substrate for WLAN Application using Multiple Attribute Decision Making Approach" Int. J. Microwave Science and Tech., Hindawi Pub. 5 pages, article ID 703181 Volume (2014).
5. Ashish K Sharma and Navneet Gupta, "An Improved Design of MEMS Switch for Radio Frequency Applications" Int. J. of Applied Electromagnetics and Mechanics" IOS Press, Japan, vol. 47, pp. 11-19, 2015. DOI: 10.3233/JAE- DOI: 10.3233/JAE-130085. (SCI and Scopus indexed).
6. Jitendra Kumar and Navneet Gupta, "Investigation on Microwave Dielectric Materials for Dielectric Resonator Antennas" Int. J. of Applied Electromagnetics and Mechanics" IOS Press, Japan, vol. 47, pp. 263-272, 2015. DOI: 10.3233/JAE-140051. (SCI and Scopus indexed).
7. Priyanka Choudhary, R Kumar and Navneet Gupta, "Dielectric Material Selection of Microstrip Patch Antenna for Wireless Communication Applications using Ashby's Approach" Int. J. of Microwave and Wireless Technologies, Cambridge Univ. Press and European Microwave Association. D.o.i 10.1017/s1759078714000877. (SCI and Scopus indexed). [Impact factor: 0.573].
8. Prachi Sharma and Navneet Gupta, "Threshold Voltage Modeling on Nano-crystalline Silicon Thin-Film Transistors", J. Electron Dev., 1608-1612, vol. 19, (2014).
9. Ashish K. Sharma and Navneet Gupta, "Investigation of Actuation Voltage for Non-Uniform Serpentine Flexure Design of RF-MEMS Switch", Microsystem Technologies: Springer-Verlag Berlin, vol 20, issue 3, 413-418, March 2014. (SCI indexed). [Impact factor: 0.827].

10. Jitendra Kumar and Navneet Gupta, "Performance Analysis of Dielectric Resonator Antennas" *Wireless Personal Communications: Springer-Verlag Berlin*, vol 75, 1029-1049, March 2014. (SCI indexed). [Impact factor: 0.428].
11. Dr. Praveen Kumar A.V. co-author, "Status of the CLIC-UK R&D programme on design of key systems for the compact linear collider", *Proceedings of International particle accelerator conference IPAC 2014*, Germany
12. Snehlata Murotiya, Anu Gupta "Design of hardware efficient low power 2-bit Ternary ALU using CNTFETs", *International Journal of Electronics*, Taylor & Francis, (accepted for publication)
13. Sneh Lata Murotiya and Anu gupta (2014), "A Novel Design of Ternary Full Adder using CNTFETs" *Arabian Journal of Science and Engineering*, DOI 10.1007/s13369-014-1350-x, Springer
14. Priya Gupta, Anu Gupta and Abhijit Asati (2014), "Design and Implementation of n-bit Sub-threshold Kogge Stone Adder with improved Power Delay Product" *European Journal of Scientific Research*, Volume 123 Issue 1
15. K. K. Gupta and R. P. Pareek, "A Survey of Image Quality Assessment Techniques for Medical Imaging", *Indian Journal of Medical Informatics*, vol. 8, pp. 72-74, 2014.
16. S. Mohanty and K. K. Gupta, "Bearing Fault Analysis using Variational Mode decomposition," *Journal of Instrumentation Technology & Innovation (JoITI)*, vol. 4, no. 2, pp. 20-27, 2014.
17. Mahesh Angira, Kamaljit Rangra, A low insertion loss, multi-band, fixed central capacitor based RF-MEMS switch, *J Microsyst Technol*, doi 10.1007/s00542-014-2378-, 2014, Citation Index -- SCI and Scopus, Impact factor of the journal: 0.95.
18. Mahesh Angira, Kamaljit Rangra, Design and investigation of a low insertion loss, broadband, enhanced self and hold down power RF-MEMS switch, *J Microsystems Technol*, doi 10.1007/s00542-014-2188-6, 2014, Citation Index -- SCI and Scopus, Impact factor of the journal: 0.95.
19. Mahesh Angira, Kamaljit Rangra, Performance improvement of RF-MEMS capacitive switch via asymmetric structure design, *J Microsyst Technol*, doi 10.1007/s00542-014-2222-8, 2014, Citation Index -- SCI and Scopus, Impact factor of the journal: 0.95.
20. Chintanpalli, A., Ahlstrom, J.B., and Dubno, J.R. (2014) "Computational Model Predictions of Cues for Concurrent Vowel Identification", *J. Assoc. Res. in Otolaryngol.* 15 (5):823-837. doi: 10.1007/s10162-014-0475-7. Impact factor: 3.0
21. A Panday and H O Bansal, "A review of optimal energy management strategies for hybrid electric vehicle" *International Journal of Vehicular Technology (Hindawi Publication)*, Vol. 2014, Article ID 160510, 19 pages, <http://dx.doi.org/10.1155/2014/160510>.
22. A Pandey and H O Bansal, "Green Transportation: Need, Technology and Challenges", In Press, *International Journal of Green Energy Issues*, Inderscience Publishers
23. T Sen and H O Bansal, "Dynamic Modeling and Fault Diagnosis of an Induction Motor" *International Review on Modeling and Simulation (IREMOS)*, Vol 7 No.4, pp 575-583, Ag 2014.
24. Yogesh Krishan Bhatshvar, Hitesh Datt Mathur, Houria Siguerdidjane & Surekha Bhanot, "Frequency Stabilization for Multi-area Thermal-Hydro Power System Using Genetic Algorithm-optimized Fuzzy Logic Controller in Deregulated Environment, *Electric Power Components and Systems*", 43:2, pp. 146-156, 2015
25. Y.K. Bhatshvar, H.D. Mathur and Houria Siguerdidjane, "Study of Impact of Wind Power Generating System Integration on Frequency Stabilization in Multi-area Power System with Fuzzy Logic Controller in Deregulated Environment" Accepted in *Frontiers in Energy (Springer)*.
26. Y.K. Bhatshvar & H.D. Mathur, "Power-frequency balance with superconducting magnetic energy storage using optimized intelligent controller", *Energetika*, Vol. 60, No. 3, pp. 149-161, 2014
27. Ashish Mishra, Anuj Dubey, Abhijit Rameshwar Asati, Kota Solomon Raju "Comparative Study of CHStone Benchmark on Xilinx Vivado High Level Synthesis Tool" accepted in *International Journal of Emerging Technologies in Computational and Applied Sciences*, ISSN: 2279-0055 (Online) ISSN : 2279-0047 (Print)
28. Ashish Mishra, Arshad Javed, Karan Bhargava, Kaustubh Tanmane, Hardik Shah, "Design Flow Cycle and Simulation of Load Mover", accepted in *International Journal of VLSI and Embedded Systems – IJVES*, ISSN-2249-6556
29. Ashish Mishra, Sanal Kumar, Jaldeep Vasavada, Kota Solomon Raju, Optimized AES Implementation on Leon3, accepted in *Journal of VLSI Design Tools & Technology (JoVDTT)*, ISSN: 2321-6492
30. Nitin Chaturvedi, S Gururnarayanan, "Adaptive Block Pinning: A Novel Shared Cache Partitioning Techniques for CMP", *European Journal of Scientific Research*, Volume 117 Issue 1, June 2014. (Scopus)

C. Conferences:

The faculty of the department published 39 papers in international/national Conferences during the year.

(i) Conferences attended/papers presented outside India:

1. Ankur Kumar and Abhijit Asati, "Iris Based Biometric Identification System" *International Conference on Audio, Language and Image Processing (ICALIP2014)*, Shanghai, China, July 7-9, 2014

2. Keskar Swati, Pavankumar O, Reddy Ch. Sreedhar, " Genetic Algorithm for IRIS (Increased Reward For Increased Service) tasks" , IEEE TENCON 2014, , IEEE Thailand Chapter, Bangkok, October 22-25, 2014
3. Dheerendra Singh & A. Ananda Kumar, "The IFOC Based Speed Control of Induction Motor fed by A High Performance Z-Source Inverter", 3rd International Conference on Renewable Energy Research and Application at Milwaukee USA, 19-22 October 2014.
4. Navneet Gupta, "Material Selection of LTCC based Microstrip Patch Antenna Substrate using Ashby's Approach" 2014 IEEE Int. Symposium on Computer, Consumer and Control, National Chin-Yi University of Technology, Taichung, Taiwan, June 10-12, 2014.
5. Ashish K Sharma and Navneet Gupta, "Impedance Matching for RF-MEMS Based Microstrip Patch Antenna" ECTI-CON-2014, Suranaree Univ. of Tech., Nakhon Ratchasima, Thailand, May 14-17, 2014. (Travel Grant Award from the Organizers).
6. Mahesh Angira, G.M. Sundaram, Kamaljit Rangra, A Novel Interdigitated, Inductively Tuned, Capacitive Shunt RF MEMS Switch for X and K Bands Applications, IEEE- NEMS April 13-16, 2014, Hawaii, USA.
7. Chintanpalli, A., Ahlstrom, J.B., and Dubno, J.R. (2014). "Computational Model Predictions of Age and Hearing Loss Effects on Concurrent Vowel Identification," 37th Meeting of Assoc. for Res. in Otolaryngology, San Diego, USA.
8. Y.K. Bhatshvar and H.D. Mathur, "Inter-area oscillation control with super conducting magnetic energy storage in multi-area power system using optimized intelligent controller", In the proceedings of 11th Conference of Young Scientists on Energy Issues, 29-30th May 2014, Kaunas, Lithuania.

(ii) Conferences attended/papers presented in India:

1. Priya Gupta, Ishan Munje, Nikhil Kaswan, Anu Gupta and Abhijit Asati, "Analysis & Implementation of Ultra Low-Power 4-bit CLA in subthreshold regime" IEEE International Conference on Circuit, Power and Computing Technologies" (ICCPCT), 20-21 March 2014, Tamilnadu.
2. Priya Gupta, Anu Gupta and Abhijit Asati, "Power-Aware Design of Logarithmic Prefix Adders in Sub-Threshold Regime: A Comparative Analysis" International Conference on Information and Communication Technologies (Under TEQIP Phase-II)-ICICT, 3-5 December 2014, Kochi.
3. Snehlata Murotiya, Anu Gupta , Sparsh Vashishtha " Novel Design of Ternary Magnitude Comparator using CNTFETs", 11th IEEE India Conference, INDICON-2014, 11-13th dec. 2014, Yashada, Pune
4. Pradyumn Chaturvedi and Dhananjay Kumar, "Piezoelectric Energy Harvester Design and Power Conditioning", IEEE Student Conference (IEEE SCEECs), MANIT, Bhopal (MP), 1-2 March, 2014, doi: 10.1109/ SCEECs.2014.6804491
5. Jitendra Kumar and Navneet Gupta, "Compact Wideband Rectangular Dielectric Resonator Antenna with Slots and Air Gaps for C-band Applications" IEEE International Conference on Industrial and Information Systems (ICIIS2014), IIITM Gwalior, India. 15-17 December 2014.
6. Kriti Soni and Navneet Gupta, "Analysis of Linear and Non-Linear V-Shaped Microcantilever for Sensing Applications", Int. Conf. on MEMS and Sensors (ICMEMSS2014), IIT, Madras, Chennai, India, 18-20 December 2014.
7. Abhishek Joshi, Debasish Pal, Rahul Singhal, "Wideband Pentaflake Antenna", 10th International Conference on Microwaves, Antenna Propagation and Remote Sensing (ICMARS), 9–12 December 2014, International Centre for Radio Science (ICRS), Jodhpur, Rajasthan.
8. Mayank Garg, Rahul Singhal, "Speech Re-synthesis from Spectrogram Image through Sinusoidal Modelling", Third International Symposium on Natural Language Processing (NLP'14) in conjunction with IEEE Third International Conference on Advances in Computing, Communications and Informatics - ICACCI-2014, 24-27 September 2014, Galgotia University, Delhi.
9. Abhishek Joshi, Debasish Pal, Rahul Singhal, "Vertex-fed Hexagram Patch Wideband Antenna", IEEE International Conference on Signal Propagation and Computer Technology 2014 (ICSPCT 2014), 12-13 July 2014, Govt. Engg. College, AJMER.
10. Abhishek Joshi, Rahul Singhal, "Vertex-fed Hexagram Fractal Antenna", IEEE Indian Antenna Week 2014 (IAW 2014), 26-30 May 2014, NITTTR, Chandigarh.
11. Gaurav Purohit, V. K. Chaubey, K. S. Raju, Divya Vyas (2014) "FPGA based implementation & power analysis of parameterized Walsh sequences", Students' Technology Symposium (TechSym), 2014 IEEE at IIT KGP, pp. 292-296
12. Manisha Arora, Sachin Bashani, K. K. Gupta and Aquil Mirza Mohammed, "Wavelet Denoising: Comparative Analysis and Optimization using Machine Learning," 9th IEEE International Conference on Industrial and Information Systems (ICIIS -2014), IIIT, Gwalior, December, 2014.
13. S. Mohanty, K. K. Gupta, and Kota Solomon Raju, "Comparative Study between VMD and EMD in Bearing Fault Diagnosis," 9th IEEE International Conference on Industrial and Information Systems (ICIIS -2014), IIIT, Gwalior, December, 2014.
14. S. Mohanty, K. K. Gupta, and Kota Solomon Raju, "Vibration Analysis in Fault finding of Ball Bearing using VMD," 9th IEEE International Conference on Industrial and Information Systems (ICIIS -2014), IIIT, Gwalior, December, 2014.

15. K. K. Gupta, and R. P. Pareek, "A Survey of Image Quality Assessment Techniques for Medical Imaging," 8th Conference of Asia Pacific Association for Medical Informatics (APAMI-2014) on Health IT Solutions for Improving Patient Care, AIIMS, New Delhi, November, 2014.
16. S. Mohanty, K. K. Gupta, Kota Solomon Raju, Vikrant Mishra, Vipin Kumar, P. Bhanu Prasad, "Characterization of Wireless Accelerometer Sensor and its Industrial Applications," Proceedings of 20th National Conference on Communications (NCC 2014), IIT, Kanpur, February, 2014.(Scopus)
17. Deepansh Dubey, Anu Gupta, "Low Power Low Noise Amplifier for Biomedical Applications", ICECCT Conference, 5-7th March, 2015 at SVSCE, Coimbatore (Accepted)
18. Snehlata Murotiya, Anu Gupta, " Design of high speed ternary full adder and three-input XOR circuits using CNTFETs ", 28th international VLSI Design Conference, 5-7 Jan. 2015 , Bengaluru (accepted)
19. Pramod Srinivasan, Anirudha S. Bhat, Sneh Lata Murotiya, Prof. Anu Gupta, " Design and Performance Evaluation of A Low Transistor Ternary CNTFET SRAM Cell", IEEE International Conference on Electronic Design, Computer Networks & Automated Verification "EDCAV 2015" NIT, Meghalaya, Shillong., 29-30 January 2015.(accepted)
20. S. Mohanty, K. K. Gupta, Kota Solomon Raju, "Multi-Channel Vibro Acoustic Fault Analysis of Ball Bearing Using Wavelet Based Multi-Scale Principal Component Analysis", Proceedings of 21st National Conference on Communications (NCC 2015), IIT, Mumbai, February, 2015.(Accepted)
21. S. Mohanty, K. K. Gupta, and Kota Solomon Raju, "Effective Sample Length Selection to Avoid Dead Zone Effect in Ball Mill Vibration Signal Analysis and Applications," 2nd IEEE International Conference on Signal Processing and Integrated Networks (SPIN-2015), AMITY University, Noida, Feb, 2015. (Accepted)(Scopus)
22. Jyotirmoy Bhardwaj, Rajiv Gupta, K. K. Gupta, "A Review of Emerging Trends on Water Quality Measurement Sensors," IEEE International Conference on Technologies for Sustainable Development (ICTSD -2015), DBIT, Mumbai, Feb, 2015. (Accepted)
23. Mahesh Angira, G.M. Sundaram, Kamaljit Rangra, Improved Design of RF-MEMS Series-Shunt Switch for Reconfigurable RF Front End Applications, International Conference on MEMS and Sensors, Dec. 18-20, 2014, IIT Madras, Chennai, India.
24. G.M. Sundaram, Mahesh Angira, Kamaljit Rangra, An Approach For Motional Resistance Minimization in RF MEMS Disk Resonator, Recent Trends in Communication and Signal Processing, February 26-27,2014, Coimbatore, India. \
25. M Garg, S Sankar B, H O Bansal, "Potential Estimation and Implementation Strategies for Solar Rooftop Photovoltaic in Delhi" 6 th IEEE Power India International Conference (PIICON), Delhi, Dec 2014.
26. A Biswal and H O Bansal, "SCADA and its application to Renewable Energy integration", IEEE International Conference on Industrial and Information Systems (ICIIS), Gwalior, 15-17 Dec 2014.
27. A Panday and H O Bansal, "Fuel Efficiency Optimization of Input-Split Hybrid Electric Vehicle using DIRECT Algorithm" IEEE International Conference on Industrial and Information Systems (ICIIS), Gwalior, 15-17 Dec 2014.
28. S Binnani and H O Bansal, "Electronic Aid for Elder and Sick People: IR-Remote Controlled Switch Board for Changing State of Electrical Appliances", IEEE International Conference on Recent Advances and Innovations in Engineering (ICRAIE-2014), Jaipur, May 9-11, 2014.
29. Y.K. Bhatshvar and H.D. Mathur, "Frequency Stabilization for Thermal-Hydro Power System with Fuzzy Logic Controlled SMES unit in Deregulated Environment", International Conference on Advanced Computing & Communication Technologies, Feb-2014, Rohtak, India
30. Ashish Mishra, Dhruv Vakharia, Anirban Jyoti Hati , Kota Solomon Raju, "Hardware Software Partitioning of Task Graph Using Genetic Algorithm ", IEEE International Conference on Recent Advances and Innovations in Engineering (ICRAIE-2014), Jaipur, May 9-11, 2014.
31. Nitin Chaturvedi, Arun Subramanian, S Gururnarayanan, "Selective cache line replication scheme in Shared Last Level Cache", International Conference on Information and Communication Technologies (Under TEQIP Phase-II)-ICICT, 3-5 December 2014, Kochi.

D. Books Published/Edited /Chapter written/ reviewed articles during the year:

1. Dr. Pradyumn Chaturvedi Reviewed research articles for IEEE Transaction on Power Electronics, International Journal of Power Electronics, Electric Power Components and Systems, IEEE Student Conference SCEECs (MANIT, Bhopal).
2. Priya Gupta, Anu Gupta and Abhijit Asati, "Design and ASIC Implementation of Column Compression Wallace/Dadda Multiplier in Sub-threshold Regime," Advanced Research on Hybrid Intelligent Techniques and Applications" ACIR Book Series published by IGI Global (Selected for book Chapter)
3. Dr. K. K. Gupta Reviewed research articles for IET Journal on Circuits, Devices and Systems (CDS-2014-0222); IET Image Processing (IPR-2014-0503, IPR-2013-0800); Elsevier Journal on Computers & Electrical (COMPELECENG-D-14-00513, COMPELECENG-D-14-00513R1, COMPELECENG-D-13-00644, COMPELECENG-D-13-001034); Bowen's Journal of Mechanical Engineering & Technology (JMETS10054); Executive Committee member, IETE Pilani Centre; EC member, IEEE Computer Society of

India Council Execom - 2014; Technical Committee (TC) Member Of International Conference on Signal Processing and Integrated Networks (SPIN- 2014), SPIN- 2015; ICAECC 2014; International Scientific Committee (ISC) of International Conference on Smart City (ICSC-2014) at Shanghai, China; ICCAAM-2015, Sousse, Tunisia; ICCAAD-2015, Sousse, Tunisia; WiCOM-2014 in Beijing, China, WiCOM-2015; Article review for SPIN-2014 (312, 346), IFESS-2014, WiCOM-2014 (70203), ICAECC-2014, ICDCCom-2014, SPIN-2015.

4. Dr. Ananthakrishna Chintanpalli reviewed an international journal article in the European Archives of Oto-Rhino-Laryngology and Head & Neck (Nov 2014).
5. Dr. Navneet Gupta reviewed following research paper titled "Transmit Beam forming for MIMO optical Wireless Communication Systems" Wireless Personal Communication by Springer (Manuscript Number; WIRE-D-13-00377)
6. Dr. Navneet Gupta reviewed research papers for IEEE Int. Conf. on Advances in Electronics, Computers and Communications (ICAECC) held during 31-10-2014 to 02-10-2014 at Reva Institute, Bengaluru.

E. Conferences, seminars & workshops conducted

- NIL

F. Invited Talks / chairing session by EEE faculty:

1. Dr. Dheerendra Singh delivered expert talk on "Recent trend in Power Electronics Converters and their Applications to Power System" at BRCM-CET Bahal on Sept.22, 2014
2. Dr. Pradyumn Chaturvedi delivered Expert Talk in Short Term Course on "Multilevel Inverters and Its Applications" on Jan 2, 2014 at Indian Institute of Technology, Roorkee. The title of the talk was "Common Mode Voltage Control and Neutral Point Potential Regulation in Multilevel Inverter"
3. Dr. Pradyumn Chaturvedi delivered Invited Talk on "Real Time Implementation of Power Electronic Converters" in Faculty Development Program on Advancement and Application of Power Electronics in Present Scenario at Malviya National Institute of Technology, Jaipur on 24 Dec, 2014.
4. Dr. K. K. Gupta gave invited talk on "Open Call in Research", in one week UGC sponsored National Workshop on "Computational Tools in Research", in School of Engineering and Sciences, Bhagat Phool Singh Mahila Vishwavidyalaya, Khanpur Kalan, Sonapat, 17th to 22nd Feb, 2014
5. Dr. Navneet Gupta gave a talk on "Material Selection methodology for gate dielectric material for MOS devices" in National Conference on Innovations in Microelectronics, Signal Processing and Communication Technologies, Institute where delivered: VIT University, Jaipur
6. Dr. Praveen Kumar A.V. gave an invited talk on RF Cavity Technologies, at Inter-University Accelerator Centre (IUAC), New Delhi, on August 2014
7. Dr. K. K. Gupta gave invited talk on "Computational Tools in Image Processing", in one week UGC sponsored National Workshop on "Computational Tools in Research", in School of Engineering and Sciences, Bhagat Phool Singh Mahila Vishwavidyalaya, Khanpur Kalan, Sonapat, 17th to 22nd Feb, 2014.
8. Chintanpalli, A. (May 2014). Effects of Age and Hearing Loss on Concurrent Vowel Identification, Oregon Health and Science University, Portland, USA.

G. Invited talks / Visits / attended workshops of distinguished Guests arranged in the department:

1. Prof. J. J. Patel, Associate Professor, Electrical Engineering Department, Sardar Vallabhbhai National Institute of Technology, Surat, delivered an Expert Talk on "Recent Developments in 32-bit Microcontrollers" on 20 Oct, 2014
2. Dr. Anirban Bera, Scientist, CEERI Pilani gave an invited talk on Engineering Aspects of high power microwave sources for Industrial, Scientific and Medical Applications on 22, November 2014 - Organized by Dr. Praveen Kumar A.V. as a seminar-cum-interaction session for the students registered in EEE G581 RF and Microwave Engineering
3. Attended an interdisciplinary research (IDR) workshop organized by BITS Pilani, Goa campus (14-15 Nov 2014).
4. Prof. Krishna C. Saraswat, Department of Electrical Engineering, Stanford University, Stanford, CA 94305, USA gave an invited lecture on How far can we push conventional silicon technology and what are the future alternatives? (20 Nov 2014),

H. Awards and recognitions won by faculty and students

1. Prof. Surekha Bhanot felicitated during BGM 2104 as a teacher that they would specially like to recognise the BITS Global Meet 2014 at BITS Pilani Hyderabad Campus
2. AVINASH N RAO 2013A8PS074P awarded for his innovative project "Express FIR" by USA foundation "Avery Dennison" on August -22, 2014. The project is being mentored by Dr. Dheerendra Singh. The Project concept emerged one among the best ten projects selected after three grueling rounds.

3. Kaustubh Nawade (4th-year dual degree student of EEE), Tarang Shah (4th year E&I) participated in Intel sponsored "Internet of Things" Hackathon as a part of the 28th International Conference on VLSI design and 14th International Conference on Embedded Systems organized at Leela Palace, Bangalore between 2nd to 7th Jan, 2015. They are placed 3rd overall amongst 25 selected teams comprising of Bachelors students to PhD to working professionals. Their idea was to build an "Emergency Fall Detector" mainly targeted towards the elderly. It is an assistive, smart, wearable, wireless device capable of detecting a fall and alerting nearby people and emergency contacts. They completed the entire prototype based on Intel Edison within 60 hours.
4. Research Paper titled "Design and Implementation of Piezoelectric Energy Harvester" shortlisted for Grand Finale of *iNSCRIBE 2014* at Bangalore, Organized by Robert BOSCH Engg and Business Solution Pvt Ltd. During the Grand Finale, Visit to Robert Bosch Innovation Lab was conducted on 16 Dec 2014 and Grand Finale was held on 17 Dec 2014. The team consists of Three Students Chilukuri Abhijit and Cheruvu Phalanis and C B Parthap. They worked under the Supervision of Dr. Pradyumn Chaturvedi, ASTP, EEE. Total teams participated were 232 from 31 Engineering Institutions with more than 700 entries. We were among top 04 teams from all over the country in the Broad area of Manufacturing Technology. We have suggested the application of *Piezoelectric Sensor Based Vibration Suppression in Automobile Engines using Power Electronic Converters*. The Panel of Judges appreciated the innovative idea presented there.
5. Dr. Navneet Gupta received Certificate of Appreciation from Department of Electronic and Computer Engineering, NTUST, Taiwan for remarkable effort towards the research work.
6. Dr. Navneet Gupta was appointed as Reviewer for Third Int. Conf. on Technological Advances in Electrical, Electronics and Computer Engineering (TAECS 2015), Lebanese University, Beirut, Lebanon to be held during April 29-May1, 2015.
7. Dr. Navneet Gupta was appointed as Member of Board of Studies (BoS) of DIT University, Dehradun.

I. Faculty Development, International Collaboration & Industry/ University Immersion

1. Dr. Abhijit Asati, selected went to "Cypress Semiconductor Limited, Bangalore" under Industry Immersion scheme of BITS Pilani from May to July 2014
2. Dr. Navneet Gupta was Visiting Professor (Under University Immersion Scheme of BITS-Pilani) at National Taiwan University of Science and Technology (NTUST), Taipei, Taiwan during 26th May to 18th July 2014.
3. Dr. Rikmantra Basu was Visiting fellow at Optoelectronics Research Group, Department of Electrical and Electronics Engineering, University of Bristol, Bristol, UK for June and July, 2014.

J. Significant new equipments/experimental facility added during the year

- NI ELVIS Boards, Bio-medical kits- Blood pressure, EKG, Hand grip heart rate, Spirometer; Vernier green engineering - CO₂ sensor, Conductivity probe, Oxygen sensor, pH sensor, Stainless steel, Surface temp, NI - USB 4432 DAQ card, Impulse force hammer, array microphone
- Broadband horn antenna (1-18 GHz), Stepper motor antenna controller and low loss RF cables at S and X-band, using the Research initiation grant and OPERA grant.
- Agilent Economy Multipurpose Lab Stations, Agilent 53147A Microwave Counter/Power Meter/DVM, 20 GHz, Optical Power Meter,
- Agilent, Optical Multiport Power Meter, NI USB-4432-24-Bit Sigma-Delta ADCs, 102.4kS/s Max Samp Rate, Anti-Aliasing Filters, AC/DC Coupling, TPR 2420CA IEEE 802.15.4 Telco B Mote with Sensor Suite,
- 3-PH Diode Rectifier +3 PH 4 leg-IGBT Inverter Stack, PCB Lab Items (Equipments and Chemicals), TMS 320 eZdsp 2812 DSP Starter Kit in Socket with Fuzzy Logic,
- VIVADO System Edition Design Suite lic. (UEF-VIVADO-SYSTEM-25), Digital Storage Oscilloscope Agilent, 200 MHz, 2 Channel, USB-6009 14 bit, 48kS/s Multifunction I/O and NIDAQ mx software
- Ten Crossbow's TelosB Wireless Sensor Network (WSN) nodes with on board humidity, temperature, visible and infrared sensors which can be used for WSN based experiments

K. Departmental association/club activities:

- (i) EEE Association
 - **APOGEE 2014 Projects:** APOGEE 2014 saw a lot of projects from the Association with 13 projects getting selected for the final round, out of the 25 projects that were pitched by the Association. Two of these projects won prizes and one of the project was selected for L.K. Maheshwari Foundation. The project entitled "Near Field Communication Based Car Parking System" which was presented in APOGEE 2014 and won prize used inventory from the previously selected project "Near Field Communication Based Healthcare Management System" which was funded by L.K. Maheshwari Foundation and presented for APOGEE 2013. This time 35 projects were pitched by the Association for APOGEE 2015 and finished 1st round of pitching successfully.

- **APOGEE 2014 Events:** EEE Association conducted the following events during APOGEE 2014:
 1. Robots at War (In association with Instrumentation Forum)
 2. Track-O-Mania (In association with Instrumentation Forum)
 3. I-Strike (In association with Computer Science Association)
 4. Hackatronics

Participation was good for all the events with participants coming from all over India.

- **I²R Lectures:** A Lecture series named I²R was conducted by the association to cultivate interest in Electronics among the first year students by introducing them to the basic electronics. The lectures were taken up by the members of association covering the topics like Introduction to Microelectronics and followed by a hands on session in Proteus to create virtual circuits and feel how exactly microcontroller work in Second semester 2013-2014 and Introduction to Basic Electronics where the students were given the hardware to create a small circuit in first semester 2014-2015. The response was good with students requesting for more such lectures. We are planning to conduct more I²R Lectures in further coming years.
- **Track-o-Mania Workshop** - EEE Association, in collaboration with Instrumentation Forum organised a workshop in February 2014 on line-follower robotics so as to encourage participation in Track-o-Mania, the line-follower robotics event held during APOGEE 2014. Firstly, we covered the theoretical aspects of line following robot and the second part dealt with basic Arduino programming. The third part of the workshop dealt with sensor interfacing. Electronic kits consisting of sensor arrays, Arduino mini boards, D.C Motors, motor driver ICs, connectors were distributed to the participating students. This workshop was attended by first, second as well as third year students. The audience was a rough number of 120-130. Simple Arduino based projects like blinking an L.E.D and running a DC motor with Arduino were also demonstrated.
- **I-Strike Workshop** - EEE Association, in collaboration with Computer Science Association conducted workshop on MATLAB for all the participants from the college and to increase the participation, I-Strike was made as KERNEL event as participation in APOGEE 2013 was less.
- **Special Interests Groups** – This academic year 2014-2015, we started with Special Interests groups (SIG's) aiming to help second yearites in different projects which were done by present third yearites. The response from second yearites was not satisfactory and eventually SIG's ended up with no result. These are the following SIG's:
 1. Image Processing (started with two projects)
 2. Communication Protocol (started with two projects)
 3. Microcontrollers and Sensors (started with two projects)
 4. Design and Hardware Implementation (started with two projects)
- **First Year Representatives** – This year we recruited first year representatives mainly to spread the EEE Assoc. activities among first yearites, so that people who are interested in doing any new projects can easily contact and get the inventory whatever available with us to work on. First Year Representatives are also needed to volunteer and organize events in APOGEE 2015.
- **RoboSoccer** – A help session on RoboSoccer was held, for the benefit of first and second year students interested in Robotics. As the participation is low every year we enquired the reason for this and decide to conduct RoboSoccer in second semester so that Teams can be ready with bots and participate.

(i) Instrumentation Forum

- **Track-o-Mania Workshop** - Instrumentation Forum, in collaboration with EEE Association organised a workshop in February 2014 on line-follower robotics so as to encourage participation in Track-o-Mania, the line-follower robotics event held during APOGEE 2014. It was conducted by third year electronics student, Mr. Nishant Dania and Mr. Gunvarun Singh Sudan. The workshop was divided into 3 parts. The first part covered the theoretical aspects of line following while the second part dealt with basic Arduino programming. The third part of the workshop dealt with sensor interfacing. Electronic kits consisting of sensor arrays, Arduino mini boards, D.C Motors, motor driver ICs, connectors were distributed to the participating students. This workshop was attended by first, second as well as third year students. The audience was a rough number of 120-130. Simple Arduino based projects like blinking an L.E.D and running a DC motor with Arduino were also demonstrated.

- **APOGEE 2014 Projects:** APOGEE 2014 saw a huge number of projects from the forum which also resulted in some very interesting and challenging projects coming forward, with 16 projects getting selected for the final round, out of the 30 projects that were pitched by the Forum members. Four of these projects won prizes:
 - **Electronic Nose**
 - **Traffic control through emergency vehicle**
 - **Automatic Signaling & Speed Controlling System**
 - **ANN(Artificial Neural Networks) for function Approximation: Predicting Human Behaviour**

Two Papers won first prize in Apogee 2014 Paper Presentation:

1. **A critical comparison between edge based processing and color segmentation techniques for automatic detection of tuberculosis**
2. **Polar geospatial information extraction system using spectral characteristics of high resolution optical remote sensing data in MATLAB**
 - **APOGEE 2014 Events:** Instrumentation Forum conducted the following events during APOGEE 2014:
 1. Robots At War (In association with EEE Association)
 2. Track-O-Mania (In association with EEE Association)
 3. Analog Design Challenge
 4. Circuit Design Challenge
 5. Hackatronics

Huge participation from both BITSian as well as outstation students was observed in all these events.

- **Poorvikaran Lecture Series:** A series of lectures were conducted by the forum members in the months of August, September and October 2014, especially for the first year students with an aim to introduce them to the wide world of electronics. They were attended in huge numbers both by the first and the second year students of all branches. The lectures were broadly based on basic electronics (hardware), ICs, embedded systems and microcontrollers and their programming. Most of the lectures were followed by hands-on session where the students were taught to set up their own electronic circuits and then run them either through software or hardware.
- **First Year Representatives** – This year association recruited first year representatives mainly to spread the Instrumentation Forum activities among first yearites, so that people interested in doing any new projects can easily contact and get the inventory whatever available with us to work on. First Year Representatives are also needed to volunteer and organize events in APOGEE 2015.
- **RoboSoccer** – This year associations decided to organise this event in three phases .Firstly, a help out session on Robo Soccer was held in October and a Robot designing Hand out session as well as the main event will be conducted next semester.

B1.10.8 Department: Humanities and Social Sciences

Number of faculty members (as on 31 December 2014)

Senior Professors, Professors	–
Associate Professors	5
Assistant Professors	15
Lecturers	2
Visiting Faculty	0

Head of the Department: Prof. Geetha B.**Contact details:** geetha@pilani.bits-pilani.ac.in**Number of PhD Scholars:** 12**Ph.D. Thesis Submitted during the year:**

Research achievements, (ongoing projects, sanctioned/completed this year), Publications- research articles, books, chapters, conference proceedings)

1. Bakilapadavu Geetha., A Digital Humanities Approach to Interpret the Visual Culture of Shekhawati Region, CI: Shan Balasubramaniam. Amount: 13,90,000/-; BITS Seed Grant (Ongoing).
2. Bhattacharya Kumar Sankar UGC Major Research Project: "Exploring and Understanding North-East India through its Literary Productions" (8.88 Lakhs)
3. Bhattacharya Somdatta, "Women-at-work: The Spatial Negotiations of the 'Urban' by Female Domestic Workers in Kolkata" (Two year RIG project sanctioned in April 2014)
4. Devika, Development of Listening and Speaking Modules of English Language through Multimedia Lab for Rural Students of class XI-XII. Amount received 4,09,500/- ; UGC (Ongoing).
5. Dhyan Umesh, Social Political & Economic Contributions of the Birlas 2012. Amount received 6,25,000/-; Birla Museum (Completed).
6. Kumar Neeraj Sachdev, Indian Council of Philosophical Research (ICPR), New Delhi sponsored project on "A Normative Analysis of Selflessness as the Inner Perspective of Good Life" (2012-2014)
7. Pushp Lata Transforming Language Learning with New Technologies for Enhancing Employability of College Students from Rural Background 2013. Amount: 8,94,600/-; UGC (Ongoing).
8. Raina Sunita, received the Research Initiation Grant of the Institute for her project entitled "GM Foods, Food Security and WTO: Exploring the Politics of Food in India" in November 2014.
9. Shushila Shekhawat, *Cinematic Arts: A critical study of Interdisciplinary Aspects in Cinema with special reference to Literature, Audio-Visual and Performance* received from UGC in March 2013. Amount Rs.5,54,600 , Duration -two years.
10. Virendra Singh Nirban "Awareness, Uses and Implications of Using Web 2.0 Technologies in Supplementing Classroom Teaching at Higher Education" sponsored by UGC in April 2013. Amount Rs.7,89,000/-.
11. Yadav Anupam "Alternative Epistemologies and Interdisciplinarity of Knowledge: A Philosophical Exploration" (Two year RIG project sanctioned in December 2014).

PUBLICATIONS

1. Bhattacharya Kumar Sankar (Co-Author). "Mahanagar to Metropolis: Capturing the Dynamism of Urban Landscape of Kolkata through Films." *The Journal of Social Sciences and Humanity Research*. Vol. 2 (2): July-December, 2014.
2. Bhattacharya Kumar Sankar "Colonial Discourse and the Politics of Comic Representation in Anurag Mathur's *The Inscrutable Americans*." *SubalternSpeak*. Vol.2 (3): April 2014.
3. Chauhan Gajendra S., "Intercultural Communication: Barriers and Resolutions." Published in *Contributing Sustainability* / Priti Vyas and Gajendra Singh Chauhan Edited by Pankaj Kumar & Rakesh Ranjan. Victorious Publication: New Delhi, 2014.

4. Chauhan Gajendra S., "Advertising in Top National English Dailies: Which Newspaper is Winning The Brands! Published in *Commonwealth Journal of Commerce & Management Research* Volume 1, Issue 3 (November 2014) / Madhusmita Das, Gajendra Singh Chauhan, Arun Kumar Poonia.
5. Chauhan Gajendra S., "Role of English in Tourism Communication in a Globalized World: Advantage India!" Published in International Conference Proceedings "The Impact of Social Changes on English Language and Literature" (TISCELL2014)/Arun Kumar Poonia and Gajendra Singh Chauhan ISSN 978-81-924212-5-4 February 7, 2014. Conference held in Lingaya's University, February 7-8 2014
6. Choubisa, R. Oudenhoven, J.P., deRaad, B., Timmerman, M.E., Askevis-Leherpeux, F., Boski, P., Carmona, C., Choubisa, R., Dominguez, A., et al. (2014). Are Virtues National, Supranational or Universal? *Springer Plus*, 3, 223-235. [DOI: 10.1186/2193-1801-3-223] [ISSN: 2193-1801].
7. Choubisa, R. Review of the book Human Resource Development by David McGuire and Kenneth Molbjerg Jorgensen, Sage Publications, New Delhi, *South Asian Journal of Management*, 20 (3), 203-206
8. Devika and Piyush Gupta. "Shakespeare, India and Intercultural Performances in Theatre and Films." *Teresian Journal of English Studies (TJES)* 6(1) (Oct 2014): 101-119. ISSN 0975-6302.
9. Gupta Piyush and Devika. "Reframing Intentionality, Characterization and Narrativity of Adapted Film for Darshnic Viewing: Envisioning New Perspectives." *Contemporary Issues in Languages and Humanities* 4(3) (Oct 2014) 5-19. 2249-9792.
10. Kumar Neeraj Sachdev, "A Sketch of a Normative Stance of Team Communication," *International Journal of Communication*, Vol. 24, No. 1, 2014, pp. 07-15
11. Madhusmita Das and Sangeeta Sharma. " Stereotyping of women in television advertising and its impact on society" *Quest-bi-annual journal of management and research, TIMS*, Volume IV, Issue II, August 2014, pp29-39.
12. Madhusmita Das and Sangeeta Sharma." The effect of Television advertising on Body Image of Women" *Pragyaa Journal of Management*, Volume 3, Issue1&2, January-December 2013, pp22-30
13. Neerja Vyas and V. S. Nirban (2014). Student's Perception on the Effectiveness of Mobile Learning in an Institutional Context. *Research Journal of ELT*, Vol 3. Issue 1. PP 26-36.
14. V. S. Nirban and Chasul (2014). Technology Usage for Underprivileged Students to Improve their English Communication Skills. Proceedings of the UGC sponsored National Seminar on Development of Communication Skills Among the Underprivileged Students. Ed. N. S. Nathawat. Organized by Department of English, SBTPG College, Lachhmangarh, 1-2 Feb 2014, PP. 8-14. (ISBN: 9789382845621).
15. Vyas, Neerja and Sushila Shekhawat. "Films as a pedagogical tool for language teaching". Proceedings of UGC sponsored national seminar on "Development of communication skills among the under privileged students of rural colleges" 1-2 Feb 2014. Jaipur: S.K Jain and Sons, 59-71.
16. Shukla Tanu. Professional Ethics and Development in Higher Education in the *Journal of Development Management* (ISSN 2321-0761), vol 2 No. 1.
17. Sangeeta Shrama and Poonam Vyas. "A study on the efficacy of PowerPoint for writing instruction", *International Journal of Instructional Technology and Distance Learning*, Volume 11 Number 8; August 2014.

BOOKS

1. Sharma Sangeeta, Professional Communication. Coauthor, UPTU, Second Edition. OUP: New Delhi. 2014
2. Sharma Sangeeta, Technical Communication- Principles and Practice. For Gujarat Technological University. Second Edition. OUP. New Delhi. 2014

CONFERENCES

1. Bakilapadavu Geetha., and Abhaya Simha G. *Ecocriticism and Cinema: A Breath of Life in Ron Fricke's Film Baraka*. BITS Pilani K K Birla Campus, Goa 9-11 October, 2014.
2. Bhattacharya Kumar Sankar "Reappropriating Agency within an Engendered Space: Swades – The Movie." Delhi University, International Conference on Re-orienting Gender: Geographies of Resistance, Agency, Violence and Desire in Asia, Delhi, November 19-21, 2014.
3. Bhattacharya Kumar Sankar "Mnemonic Memory and Amnesia in Aruni Kashyap's *The House with a Thousand Stories*." Banaras Hindu University, International Conference on Reading/Understanding Fiction in Contemporary Times, Varanasi, UP, March 5-6, 2014.
4. Bhattacharya Kumar Sankar "Unhomed and Deterritorialized: Quest for National Identity in Indira Goswami's the *Ahira*." 2014 South Asian Literary Association Conference, Chicago, IL., USA. January 8-9, 2014.

5. Bhattacharya Somdatta, "To Tame a 'Firingee': Cultural Representations of Anthony Firingee and the Logic of Postcolonial Claims of Assimilation", at the International Interdisciplinary Conference on "Language, Culture and Values: East and West" organised by the Centre of Arabic and African Studies and the School of Language, Literature and Culture Studies, JNU, New Delhi, 16-18 December, 2014.
6. Bhattacharya Somdatta, "Her Days and Nights in Calcutta: Feminine Labour and Sojourns in the Gendered Cityscape in Satyajit Ray and Mrinal Sen", at the International Women's World Congress, Hyderabad, 17-22 August 2014.
7. Chasul and V. S. Nirban (2014). "New Media Technology for Enhancing Communication Skills of Tertiary Students" at the International Conference on Methods, Aesthetics and Genres in English Communication, organized by UPES, Dehradun, 4-5 April, 2014.
8. Chasul and V. S. Nirban (2014). "SmartClass Technology Acceptance among Secondary School Teachers" at the International Conference on Language, Literature and Library: Disruptive Digressions and Digital Dimensions, organized by Manipal University, Jaipur, 22-24 January 2014.
9. Chasul and V. S. Nirban (2014). New Media Technology Acceptance Behavior of Students of Language and Communication Courses. IEEE Xplore, Proceedings of IEEE MITE 2014.
10. Chauhan Gajendra S., International Conference on "The Impact of Social Changes on English Language and Literature" (TISCELL2014), held in Lingaya's University on February 7-8 2014. Co-presented a research paper with Arun Poonia entitled "Role of English in Tourism Communication in a Globalized World: Advantage India!"
11. Chauhan Gajendra S., International Conference on Contemporary Research in Tourism and Hospitality: Theory, Practice and Pitfalls organized by Pondicherry University, Pondicherry, India on February 18-21 2014. Co-presented a research paper with Arun Poonia entitled "Khushboo Gujarat Ki: An Incredible Advertising Campaign."
12. Chauhan Gajendra S., National Seminar on Forthcoming Feminisms: Gender Activism in Law, Literature & Society organized by National Law University, Jodhpur on February 8-9 2014. Presented a research paper entitled "Sexist Communication in Advertisements: It's not Fair Honey!"
13. Chauhan Gajendra S., Sixth Brno International Conference on Linguistics Studies in English with a central theme "Communication Across Genres and Discourses" held in Masarykova Univerzita, Czech Republic on September 11-12 2014. Co-presented a research paper with Arun Poonia entitled "Discovery of India: Discourse Analysis of Selected Indian Tourism TV Commercials."
14. Choubisa, R. (2013). Appreciative Inquiry in Informal Mentor-Protégé Academic Relationships: A Well-Being Enhancement Outlook. Paper presented at the XXIII Annual convention of the National Academy of Psychology held at NIT, Rourkela (ODISHA), 13-15th of December 2013.
15. Choubisa, R. (2014). Aggrandizing Mentor-Protégé Relationships Through Appreciative Inquiry: An Insightful Case Study. Oral Paper presented at the 7th European Conference on Positive Psychology held at Amsterdam (Netherlands), 1-4th July 2014.(CHAired THE SESSION AS WELL).
16. Choubisa, R. (2014). Discursive Practices as Alluring conjectures to Sustainable Well-being: A Classic Detour from Sustainable Happiness Model. Oral Paper presented at the 28th International Congress of Applied Psychology, Paris, France, 8-13 July 2014.
17. Choubisa, R. (2014). HRIS as a Knowledge Management Tool for HRD Programs: Perceived Outlook of superiors and Subordinates in a Public Sector Undertaking. Paper presented at the AIB India: MENA Conference 2014 held at Indian Institute of Management, Udaipur (IIMU), 9-11 February 2014.
18. Choubisa, R. (2014). Role of HRIS in Effective Personnel Administration: A Preliminary Employee Perception Survey at a Public Sector Undertaking in India. Paper presented at 3rd International Conference on Advancement of Development Administration, Social Sciences and Interdisciplinary Studies, organized by National Institute of Development Administration, Bangkok, 9-11th October 2014.
19. Choubisa, R. Slezackova, A., Dvorakova, S., Potgieter, J., Singh, K., Choubisa, R., Jarden, A., & Howard, F. (2014). Social Capital and Subjective Well-Being among University Students: Their Link and Comparison of Czech, Indian, South African and New Zealand University Students. Poster presented at 7th European Conference on Positive Psychology held at Amsterdam (Netherlands), 1-4th July 2014.
20. Choubisa, R. Attended a Two Day workshop on 'Data Analytics and Using R for Statistical Analysis' organized by Department of Management at BITS Pilani during 22-23 November, 2014.
21. Choudhary, S. K. Attended and presented a paper entitled Emerging Challenges in ELT: Need for Teacher Capability Enhancement in a 3 day International Conference on "Language, Literature and Library: Disruptive Digressions and Digital Dimensions" organized by the Society for Analysis, Dialogue, Application and Action (Sadaa) in collaboration with Manipal University, Jaipur held at MUJ during 22-24 January 2014.
22. Choudhary, S. K. Attended and presented a co-authored paper entitled ELT and ICT interface: Challenges before the Teachers in the International Conference on Trends & Innovations in Language Teaching

- organized by the English department of Sathyabama University, Chennai in association with Regional English Language Office, US Embassy, New Delhi and IEEE during 14-15 November 2014.
23. Choudhary, S. K. Attended and presented a paper entitled Methods to post method: Need for overhauling Teacher Education in the International Conference on Trends & Innovations in Language Teaching organized by the English department of sathyabama University, Chennai in association with Regional English Language Office, US Embassy, New Delhi and IEEE during 14-15 November 2014.
 24. Choudhary, S. K. Attended and presented a paper entitled Methods to Postmethod: Is it time for theorizing Teacher Autonomy in English classroom in the 59th All India English Teachers' Conference on the theme World Literatures in English organized by the English department of Rajasthan Technical University, Kota in association with Association for English Studies in India during 19-21 December 2014.
 25. Devika. "An Exposition to the Challenges Faced by Learners in the Acquisition of Oral Presentation Skills: a Case Study." Trends and Innovations in Language Teaching at Sathyabama University, Chennai (in association with RELO and IEEE Xplore), 14-15 Nov 2014.
 26. Devika. "Challenges to rural students: a study of speaking skills." International Conference on *The Impact of Social Changes on English Language & Literature: an Overview of Past 100 Years* at Lingaya's University, Faridabad, 7-8 February 2014.
 27. Kumar Neeraj Sachdev and Geetika Shree, "Understanding Ecological Sensitivity Among Professionals," in UGC Sponsored National Seminar on Environmental Ethics: Perspectives from the World Religions, organized by Department of Guru Nanak Studies, Guru Nanak Dev University, Amritsar, India during February 25-26, 2014
 28. Kumar Neeraj Sachdev, "Culture, Ecological Sensitivity and Professionals," in International Conference on Towards Ecocultural Ethics: Recent Trends and Future Directions, organized by Department of Humanities and Social Sciences, BITS Pilani, K K Birla Goa Campus, Goa, India during October 9-11, 2014
 29. Lata, Pushp, Attended and presented a Paper on "*Developing Intercultural Competence for Effective Teaching of Communication Skills*" at 9th International and 49th Annual ELTAI Conference, Jaipur, 21-23 August 2014.
 30. Lata, Pushp, Attended and presented a Paper on "Enhancing Employability Prospects of College Students from Rural Background: Problems and Opportunities" at International Conference on Trends and Innovations in Language Teaching held at Sathyabama University, Chennai in collaboration with RELO and IEEE during 14 -15 November 2014.
 31. Lata, Pushp, attended and presented a paper on "Why we need to transform ELT at Tertiary Level" at Sadaa Third International Conference being organized on the theme "*Language, Literature & Library: Disruptive Digressions & Digital Dimensions*" in collaboration with the Manipal University, Jaipur from 22 to 24 January 2014.
 32. Madhusmita Das and Sangeeta Sharma A paper on "The persuasive power of women in advertising: Impact on ecology" at International conference on Ecocultural Ethics- Recent trends and future directions held at KK Birla Goa Campus, BITS Pilani Goa from 9-11 October 2014.
 33. Nair Hari, 2014 Opening key note address titled "Unsettling European Epistemologies: Mapping the contours of paradigms from the South" (on 21 May 2014) at the *South-South Dialogues on New Ways of Democracy: Plurinationalism and Equity* between 21-23 May, 2014, in Redenção and Fortaleza, Ceará, Brazil.
 34. Nair Hari, 2014 Presented a study titled "Tocqueville's India" at the 9th session (on Friday 9 March 2014) of the International Conference *India in Other Literatures* organized by the Department of Germanic and Romance Studies, at the Conference Centre, University of Delhi, held between 6th and 8th March 2014.
 35. Priyanka Kumari and V. S. Nirban (2014). "Opportunities and Challenges in Using Web 2.0 Technologies in Higher Education" at the International Conference on Methods, Aesthetics and Genres in English Communication, organized by UPES, Dehradun, 4-5 April, 2014.
 36. Sangeeta Sharma and Madhusmita Das Presented a paper on "Odyssey of Women in Advertising: A case study of Lux" at 3rd Biennial Conference held at AMSoM Ahmedabad University on 3-4 April 2014.
 37. Sharma Ruchika, Presented paper on "Impact of Advertising Messages on Children's Brand Recall and Recognition: An Experiment Study in India" during 10th World business research conference held in Bangkok, 6-7 october 2014.
 38. Sharma Sangeeta Presented a paper on "Advertising and Journalism : The innovative ways to lure the customers" at International Conference on Hybridity and News , Vrije Universiteit Brussels, Brussels 4-5 December 2014
 39. Sharma Sangeeta Presented a paper on "New Idea for Better Society: A Case Study of Idea Advertising Campaigns" at International conference on Ecocultural Ethics- Recent trends and future directions held at KK Birla Goa Campus, BITS Pilani Goa from 9-11 October 2014.

40. Shekhawat Sushila. "Teaching English language through a Universal Language of cinema" at the International Conference on Methods, Aesthetics and Genres in English Communication organized by Centre for Professional Communication, University of Petroleum and Energy Studies, Dehradun, UK, during 4-5 April 2014.
41. V. S. Nirban and Chasul (2014). "Technology Acceptance in Education: a Research Review" at the International Conference on Language, Literature and Library: Disruptive Digressions and Digital Dimensions, organized by Manipal University, Jaipur, 22-24 January 2014.
42. V. S. Nirban and Chasul (2014). Learning Management System Acceptance Behavior of Students in Higher Education. IEEE Xplore, Proceedings of the IEEE MITE 2014.
43. Nirban V. S., Attended a National Workshop on "Research Methodology" organized by Chitkara Universty, Chandigarh during 9-10 June, 2014.
44. Vidhi Aggarwal and Sangeeta Sharma Presented a paper on " Anthropocentrism to Ecoculturalism : The transformation of Advertising landscape" at International conference on Ecocultural Ethics- Recent trends and future directions held at KK Birla Goa Campus, BITS Pilani Goa from 9-11 October 2014.
45. Yadav Anupam, Presented a paper titled *Aesthetics, Technology and Ethics* at the International Conference on *Towards Ecocultural Ethics: Recent Trends and Future Directions* held at BITS, Pilani, K.K. Birla Campus, Goa from 9-11 October, 2014.
46. Yadav Anupam, Presented a paper titled *Theoria. Rationality and Social Critique* at the International Silver Jubilee Seminar on *Theorizing Today – 25 Years Later* of Forum on Contemporary Theory in collaboration with the Department of Political Science, The M.S. University of Baroda held at The M.S. University of Baroda from 10-11 February, 2014.
47. Yadav Dinesh, Performing 'The Kitchen' and 'Manganiyar Classroom' Lyon (France), Amsterdam, Penang (Malaysia) and Bangalore; intricacies of the performance and time-bound resolutions.
48. Yadav Dinesh, Practice as Research in Performing Arts: Pedagogies and Resistances. National Seminar on 'Emerging Trends and New Perspectives in the Teaching & Learning practice in Performing and Visual Arts' 29-30 January 2014 SOPVA IGNOU, New Delhi.
49. Yadav Dinesh, Technology in/and Site-Specific Performances for Sustainability in Theatre, X Annual International Conference of Indian Society for Theatre Research (ISTR) 7-10 January 2014, Department of Media and Cultural Studies Central University of Rajasthan.
50. Shukla Tanu. Paper presented entitled *Subjugation of Women and Capability Approach: Relocating Gender in Higher Education* at Comparative International Education Society, Toronto, Canada (Sponsored by ICSSR), 10-15 March, 2014
51. Shukla Tanu. Paper presented entitled *An Empirical Analysis of Professional Ethics In Knowledge Economy* at IIM Udaipur, Feb, 8-11, 2014
52. Shukla Tanu. Paper presented entitled *Structural Barriers in the Progress of the Developing World: Revealing Concerns Related to Marginalized Sections Seeking Sustainable Balance* at International Conference on Advanced and Development Administration (ICADA), Thailand. 8- 11, October, 2014
53. Shukla Tanu. Paper presented for presentation entitled *Socio organizational Marginalization at Higher Education* for National Association of Psychology (NAOP) at NIT, Rourkela on 13-15 December, 2013
54. Shukla Tanu. Attended a Two Day workshop on "Data Analytics and Using R for Statistical Analysis" organized by Department of Management at BITS Pilani during 22-23 November, 2014.

WORKSHOPS AND INVITED TALKS

1. Chauhan Gajendra S., Invited by IIM Rohtak during Jul 28-1 August 2014 to conduct Communication modules on 'Communication at Workplace' and 'Development of Negotiation Skills' as a part of its Management Development Program for corporate executives.
2. Chauhan Gajendra S., Invited by IIM Rohtak during November 21-22 2014 to conduct training sessions on 'Conflict Management for Managers' and 'Communication at Workplace' as a part of its Management Development Program for Asian Paints executives.
3. Chauhan Gajendra S., Invited by IIM Rohtak during September 5-8 2014 to conduct Communication modules on 'Communication at Workplace' and 'Development of Negotiation Skills' as a part of its Management Development Program for Canara Bank Senior managers.
4. Devika. An invited talk on "Personality Development" for administrators, teachers and students. JhuthaRam School, Pilani. 12 May 2014.
5. Devika. An invited talk on "Tools of Data Collection Databases and Allotment of Field Study." Vivekananda Global University, Jaipur. 03 November 2014.

6. Kumar Neeraj Sachdev, "Applied Ethics: A Special Reference to Whistle Blowing," for the theme 'Philosophy in the Present Time' on the occasion of 'World Philosophy Day,' Government Rajindra Colledge, Bathinda, Punjab, India on November 20, 2014
7. Lata, Pushp, Chaired a featured talk session on Oral Communication Methods and Course Books Evaluation at 9th International and 49th Annual ELTAI Conference, Jaipur, 21-23 August 2014.
8. Lata, Pushp, Chaired a technical session at SADAA Third International Conference being organized on the theme "Language, Literature & Library: Disruptive Digressions & Digital Dimensions" in collaboration with the Manipal University, Jaipur from 22 to 24 January 2014.
9. Lata, Pushp, Conducted a one- day workshop on Communication Techniques in Birla Technical Training Institute for Computer teachers on 15 May 2014.
10. Lata, Pushp, Conducted a two –day workshop on *Art and Science of Teaching* in Shambhunath Institute of Engineering and Technologies, Allhabad, UP on 8-9 July 2014.
11. Nair Hari, 2014 Delivered a lecture titled "Public policies in India: Searching for equity in the neoliberal state" (on 23 May 2014) at the *South-South Dialogues on New Ways of Democracy: Plurinationalism and Equity* between 21-23 May, 2014, in Redenção and Fortaleza, Ceará, Brazil.
12. Sharma Ruchika, Chaired one session on marketing during 10th world business research conference held in Bangkok, 6-7 october 2014.
13. Sharma Sangeeta Conducted workshop for Genpact employees on " Interpersonal Communication in the organization" Jaipur on 18th October 2014.
14. Sharma Sangeeta, Invited as key note speaker in International conference on Sustainability management and the power of innovation at Prestige Institute of Management, Gwalior , January 10-12, 2014. The topic was Innovation: Thinking out of box.
15. Sharma Sangeeta, Invited talk on "Importance of communication for Business Professional" at Manipal University, Jaipur on 30th August 201.
16. Sharma Sangeeta, Invited talk on "Technical Writing Style" at Poddar Institute of Mangement, Jaipur on 30th August 2014.
17. Sharma Sangeeta, Invited talk on "Business Etiquette" to MBA students at MNIT, Jaipur on 18th September 2014
18. Sharma Sangeeta, Invited to talk on "Paralinguistic features in Business communication" at Poddar Institute of Management on 3rd April 2014 in Personality Development and Career Counseling Program.
19. Yadav Dinesh, Awareness- Raising & Capacity Building Workshop on UNESCO 2003 Convention for the safeguarding of Intangible Cultural Heritage. 2-4 December 2014, Sangeet Natak Academy, New Delhi. Organized by UNESCO and Sangeet Natak Academy New Delhi.

Guest editor for journals, editorials

1. Bakilapadavu Geetha., Editor, Journal of Arts and Culture, BiolInfo Publications.
2. Devika. executive editor. journal of Contemporary Issues in Languages and Humanities
3. Lata, Pushp, Guest Editor for ELT Research Journal
4. Lata, Pushp, Reviewed a book entitled " CLT: The Changing Face of ELT" edited by Dr. Sanjay Arora, Under the GOI Financial Scheme, by EFLU, Lucknow campus. 2014
5. Sharma Sangeeta, Member of reviewer committee for Business Perspectives and Research , published by SAGE Publications, a biannual refereed journal with a double blind peer review process.
6. Sharma Sangeeta, Reviewed paper entitled " Women entrepreneurship: An overview" for Universal Journal of Managemet" Horizon Research publishing corporation, USA.2014
7. Sharma Sangeeta, Reviewed Technical Communication by Cambridge University Press, New Delhi, 2014
8. Nandigama Sailaja, Expert Reviewer for *Natural Resources Forum, a United Nations Sustainable Journal*
9. Nandigama Sailaja, Reviewer for *Planning Theory and Practice* (Taylor & Francis)
10. Nandigama Sailaja, Reviewer for *Environmental Science and Policy* (Elsevier)
11. Nandigama Sailaja, Reviewer for *Environment, Development and Sustainability* (Elsevier)

Departmental activities (conferences, seminars & workshops, invited talks)

1. Abhaya Simha G delivered a talk on the topic "Technical History of Films and Film Language" on 13 September 2014 coordinated by Bakilapadavu Geetha,

2. Bakilapadavu Geetha. directed a NAB inaugural video in March 20014
3. Bakilapadavu Geetha. and Dinesh Yadav (Coordinators) a Rajasthani Folk programme Lokrang, 10th April 2014.
4. Yadav Dinesh, Intensive Theatre Training workshop on the Art of Designing and Direction, organized by Department of Humanities and Social Sciences, BITS Pilani in collaboration with National School of Drama, New Delhi. 15th December 2014 to 4th January 2015, BITS Pilani, Pilani Campus.

Awards and recognitions won by faculty and students

1. Lata, Pushp, received the Best Paper Award for the paper presented on “Enhancing Employability Prospects of College Students from Rural Background: Problems and Opportunities” at International Conference on Trends and Innovations in Language Teaching held at Sathyabama University, Chennai in collaboration with RELO and IEEE during 14 -15 November 2014.
2. Sharma Sangeeta, Received best paper award for “Odyssey of Women in Advertising: A case study of Lux” by Sangeeta Sharma and Madhusmita Das at 3rd Biennial Conference held at AMSoM Ahmedabad University on 3-4 April 2014.
3. Nandigama Sailaja, was specially invited as the subject expert for conducting the spot study for the *Prime Minister Awards for Excellence in Public Administration*, by the Indian Government. As part of this study she conducted field visits in Gujarat state, and submitted the report to validate the nomination for the PM award for excellence in December 2014.

B1.10.9 Department: Mathematics

Number of faculty members (as on 31 December 2014)

Senior Professors, Professors	03
Associate Professors	03
Assistant Professors	11
Lecturers	00
Visiting Faculty	00

Head of the Department: Prof. Dilip Kumar Maiti

Contact details: dilip@pilani.bits-pilani.ac.in

Number of Ph. D. Scholars: 07

Ph.D. Thesis Submitted during the year: 01

Ph.D. Thesis Awarded during the year: 01

A. SPONSORED RESEARCH ACTIVITIES

Total number of Funds (Sponsored Projects, funds through various programs) in the department: 04. Details are given below.

1. Ongoing projects: 03

- a) Principal Investigator : **Dr. Suresh Kumar**

A major research project entitled "Dark Energy Modeling of Cosmic Acceleration with Observational Constraints in Einstein Gravity and Modified Theories" of duration three years (Starting from 06-09-2013) awarded by the Department of Science and Technology (DST) under the FAST track scheme for young scientists, for a period of 3 years. The project budget is Rs. 14.16 Lakhs.

- b) Principal Investigator : **Dr. Atasi Patra**

Project titled “Dynamics of Biological Species: Some Mathematical Models”, under the scheme WOS-A of DST, Govt of India, for 3 years. Grant Amount is 10.86 Lakhs

- c) In addition to the individual projects, the department is supported by the DST-FIST grant of Rs. 100 lakhs, No.: for a period of 5 years (October, 2014 to September 2019). Co-coordinator: Prof. PH Keskar

2. Projects funds sanctioned during the year : 01

- a) Principal Investigator : **Dr. Ashish Tiwari**

A research project entitled "Modeling of cardiovascular flows and influence of magnetic field on circulation" (Starting from 30-10-2014) awarded by the Department of Science and Technology (DST) under the FAST track scheme for young scientists, for a period of 3 years. The project budget is Rs. 11.62 Lakhs.

Projects completed this year: 01

PUBLICATIONS

The faculty of the department published 26 papers in international/national refereed journals during the year.

1. Dubey B., Patra Atasi and Sahani S. K., Modelling the dynamics of a renewable resource under harvesting with taxation as a control variable, *Appl. Appl. Math.*, 9(2),592-621, (2014).
2. Upadhyay R. K., Patra Atasi, Dubey B. and Thakur N. K., A predator-prey interaction model with self- and cross-diffusion in aquatic systems, *J. Biol. Systems*, 22(4), 1450028, 22 pages, (2014).
3. Dubey B, Patra Atasi and Upadhyay R. K., Dynamics of phytoplankton, zooplankton and fishery resource model, *Appl. Appl. Math.*, 9(1): 217-245, (2014).
4. CB Gupta, S R Singh and Vipin Kumar, An EOQ Inventory Model with Two Level Credit-Linked Demands under permissible delay in payments for Weibull Deteriorating Items, *Ganita Sandesh*, 26(2),145-157, (2014).
5. CB Gupta, Vipin Kumar and Anupama Sharma, An EOQ model for time dependent demand and parabolic holding cost with preservation technology under partial backlogging for deteriorating items, *International journal of education and science research review (IJESRR)* , 1(2), 179-185, (2014).
6. CB Gupta, Naresh Kumar Agarwal, Anil Kumar Sharma and Sanjay Kumar, An economic order quantity model of items with two warehouses and stock dependent consumption rate, *Aryabhatta Journal of Mathematics & Informatics*, 6(1), 77-86, (2014).
7. Mehrotra, R., Jain, V., Shekhar, C. and Mehrotra, S., Genome wide analysis as Arabidopsis Thaliana reveals high frequency of AAAGN7CTTT motif, *Metagene Journal (Elsevier)*, 2, 606-615, (2014).
8. Jain, M., Shekhar, C. and Shukla, S., Machine repair problem with an unreliable server and controlled arrival of failed machines, *OPSEARCH (Springer)*, 51(3), 416-433 (2014).
9. Shekhar, C., Jain, M., and Bhatia, S., Fuzzy analysis of machine repair problem with switching failure and reboot, *Journal of Reliability and Statistical Studies*, 7, 41-55, (2014).
10. Jain, M., Shekhar, C., and Shukla, S., Markov model for switching failure of warm spares in machine repair system, *Journal of Reliability and Statistical Studies*, 7, 57-68 , (2014).
11. Jain, M., Shekhar, C., and Rani, V., N policy for a multi-component machining system with imperfect coverage, reboot and unreliable server, *Production and Manufacturing Research (Taylor and Francis)*, 2(1), 457-476, (2014).
12. Jain, M., Shekhar, C., and Shukla, S., Vacation queueing model for a machining system with two unreliable repairmen, *International Journal of Operational Research, (INDERSCIENCE)*, 20(4), 469-491, (2014).
13. Maiti, D. K. and Bhatt, R., Numerical study on flow and aerodynamic characteristics: Square cylinder and eddy-promoting rectangular cylinder in tandem near wall, *Aerospace Science and Technology, Elsevier*, 36, 5-20, (2014) .
14. Maiti, D. K. and Bhatt, R., Vortex shedding suppression and aerodynamic characteristics of square cylinder due to offsetting of rectangular cylinders towards a plane, *Ocean Engineering (An Int. J. of R & D)*, Elsevier, 82, 91-104, (2014).
15. Sarvesh Kumar and Sangita Yadav, Modified Method of Characteristics Combined with Finite Volume Element Methods for Incompressible Miscible Displacement Problems in Porous Media, *International Journal of PDEs*, 1-16, (2014).
16. Deepjyoti Goswami, Amiya K. Pani and Sangita Yadav, Optimal L^2 estimates for semidiscrete Galerkin method applied to parabolic integro-differential equations with nonsmooth data, *ANZIAM J.*, 55245—266, (2014).
17. Shivi Agarwal, "Measure of Efficiency by Fuzzy Data Envelopment Analysis Model", *Fuzzy Information and Engineering*, 6, 59-70, (2014).
18. Shivi Agarwal, Shiv Prasad Yadav and S.P.Singh, Sensitivity analysis in data envelopment analysis", *International Journal of Operational Research*, 19(2), 174-185, (2014).
19. Suresh Kumar, L. Xu, Observational constraints on variable equation of state parameters of dark matter and dark energy after Planck, *Physics Letters B* 737, 244-247, (2014).
20. Suresh Kumar, "Probing the matter and dark energy sources in a viable Big Rip model of the Universe" *Modern Physics Letters A* 29, 1450119, (2014).
21. O. Akarsu, Suresh Kumar, R. Myrzakulov, M. Sami, L. Xu, Cosmology with hybrid expansion law: scalar field reconstruction history and observational constraints, *JCAP* 01, 022, (2014).
22. O. Akarsu, T. Dereli, Suresh Kumar, L. Xu, Probing kinematics of the Universe with linearly timevarying deceleration parameter, *The European Physical Journal Plus* 129, 22, (2014).

23. Trilok Mathur, Ruchi Mathur and Deepa Sinha, Characterization and subordination properties for λ -spirallike generalized Sakaguchi type functions, *Palestine Journal of Mathematics*, 3(1) 70–76 (Palestine Polytechnic University, Hebron, Palestine), (2014).
24. Trilok Mathur, Ruchi Mathur and Deepa Sinha, Sufficient conditions for generalized Sakaguchi type functions of order β , *Journal of Applied Engineering Mathematics*, 4(1) 127-131 (Turkic World Mathematical Society, Isik University, Istanbul, Turkey), (2014).
25. Trilok Mathur, Ruchi Mathur and Deepa Sinha, Applications of Feket-Szegö Inequalities for Generalized Sakaguchi type Functions to Fractional Derivative Operator", *MATEMATIKA*, 30(1) 89-96, (2014).

C.1 CONFERENCES ATTENDED/PAPERS PRESENTED

1. CB Gupta, Vipin Kumar, An EOQ model with general ramp type demand rate constant deterioration rate and partial backlogging, Presented in 25th Annual Conference of Rajasthan Ganita parishad and National Seminar on Applications of Computer in Mathematical Research held at SML College, Jhunjhunu, during 1-2 march 2014.
2. Shekhar, C., N policy for a machine repair problem with mixed standbys, permanent and additional repairmen working at control rates, in national conference on Advances in Mathematical Sciences & their Applications organized by Hindu Girls College, Sonipat and The Global Society of Mathematical & Allied Sciences on March 28-30, 2014.
3. Shekhar C., Reliability analysis of K-out of N system with controllable rates, common cause failure, in international conference on Emerging Trends in Global Management Practices- An interdisciplinary approach organized by Symboisis Centre for Management Studies, Noida held on March 07-08, 2014.
4. Shekhar, C., Reliability analysis of K-out-of-M machining system with switching failure of mixed standbys and reboot delay, in national conference on Recent Trends & Development in Operations Research (NCRTDOR-2014) organized by Birla Institute of Technology and Science, Pilani held on February 22-23, 2014.
5. Jain, M., Shekhar C. and Kumari, R. ,Reliability analysis of K-out of N system with controllable rates, common cause failure and warm standbys' e-proceedings of the international conference on Emerging Trends in Global Management Practices-An interdisciplinary approach, Symboisis centre for Management Studies, Noida, 7-8 March, 2014.
6. Maiti, D.K., Vortex shedding supression from a square cylinder due to offsetting rectangular cylinder towards wall. ISMMACS, IIT Kanpur December 31st 2013 to January 2nd, 2014.
7. Nidhi Chaudhary, Padma Murali and Rajiv Kumar, Dynamics of formation of foam cells from LDL cholesterol and the inhibitory effects of therapeutic agents like statins, at International Conference on Mathematical Modeling and Computer Simulation, IIT, Madras, Dec. 8 – Dec. 10, 2014.
8. Rakhee, Analysis of an infinite capacity single server discrete time queue with second optional service and server breakdown, joint meeting of the gor and the euro working group on stochastic modelling (Stochmod 14) held at University of Mannheim, Germany during 29 June-02 July, 2014.
9. Shivi Agarwal, Scale efficiency of public transport sector of India, National Conference on Recent Trends and Developments in Operations Research held at BITS Pilani, Pilani Campus, Pilani, from February 22-23, 2014.
10. Shivi Agarwal, "SBM data envelopment analysis in fuzzy environment", International Conference on Mathematics and Engineering Sciences, held at Chitkara University, HP, from March 20-22, 2014.
11. Shivi Agarwal, Fuzzy data envelopment analysis model with credibility theory, International Conference on Operational Research, held at S.V. University, Tirupati, AP, from December 01-03, 2014.
12. Trilok Mathur, Fekete- Szegö, Inequality for certain subclasses of analytic and bi-univalent functions, International Conference on Mathematics and Engineering Sciences-2014, Chitkara University, H.P.,20-22 March 2014.

C.2 WORKSHOPS ATTENDED

1. Chandra Shekhar, National workshop on LaTeX and MATLAB for Beginners, organized by Department of Mathematics, BITS Pilani during December 24-28, 2014.
2. Chandra Shekhar, Two days' workshop on 'Data analytics and using R for statistical analysis', organized by Department of Management, BITS, Pilani on November 22-23, 2014.
3. Sangita Yadav, Advanced workshop on computational methods for integral equations and application (AWCMIEA-2014), IIT Kanpur, January 13-17, 2014.

D. BOOKS PUBLISHED/EDITED DURING THE YEAR

1. CB Gupta, Hogg and Tennis, Probability and Statistical Inference, Publisher: Pearson Education, New Delhi, (2014).
2. CB Gupta, Vipin Kumar and Gopal Pathak:Title of the paper: An EOQ Model for Deterioration Item with General Ramp Type Demand and Partial backlogging, Book Name: Mathematical Modeling and

Applications, Editor: Om Parkash, Publisher: Lambert Academic Publishers, Germany, PP 253-263 (2014).

3. CB Gupta, Sachin Kumar, Title of the paper: Impact of Various Factors on Fertility: Some Recent Evidences, Book Name: Mathematical Modeling and Applications, Editor: Om Parkash, Publisher: Lambert Academic Publishers, Germany, PP 264-275 (2014).

E. CONFERENCES, SEMINARS & WORKSHOPS CONDUCTED

1. National Conference on "Recent Trends and Developments in Operations Research" at Department of Mathematics, BITS, Pilani, during 22-23 February 2014 as Convener: Prof. CB Gupta. The conference was funded by UGC-SAP.
2. 'National workshop on LaTeX and MATLAB for Beginners' organized by Department of Mathematics, BITS Pilani, Pilani Campus during December 24-28, 2014 as Convener : Trilok Mathur, Co-convener : Suresh Kumar. The workshop was partially supported by DST-Rajasthan.

INVITED TALKS GIVEN BY BITS FACULTY

1. B. Dubey, Modeling the optimal utilization of a renewable resource, at Beant College of Engineering and Technology, Gurdaspur, Panjab, in a National Conference on "Recent Advancements in Mathematics" during February 01- 02, 2014.
2. B. Dubey, Mathematical models on a renewable resource, at Vivekananda Global University, Jaipur, in a National Conference on "Mathematical Techniques in Engineering Applications" during April 04-05, 2014.
3. B. Dubey, Role of mathematical modelling in resource management, in Indo-French Workshop on "Statistic and Mathematical Biology" held at Indo-French Centre for Applied Mathematics, Indian Institute of Science, Bangalore, during July 28-31, 2014.
4. CB Gupta, Simulation and its Applications, at IET Alwar in AICTE Sponsored FDP on Simulation of Mathematical Applications in recent Technology, during 31-03-2014.
5. CB Gupta, Simulation and its Applications, at Department of basic and applied Sciences, CP University, Hamirpur, HP in National Conference on Advances in basic and applied sciences, during 10-05-2014.
6. CB Gupta, Applications of Mathematics, at SML(PG) College, Jhunjhunu, during 18-11-2014.
7. CB Gupta, Mathematics and Ramanujan, at SML(PG) College, Jhunjhunu on 22-12-2014.
8. Amit Kumar Verma, Devender Kumar, Rakhee, Shivi Agarwal, Sangita Yadav, Suresh Kumar and Trilok Mathur: delivered lectures in 'National Workshop on LaTeX and MATLAB for Beginners' during 24-28, December, 2014 in BITS-Pilani at Pilani.
9. A. Tiwari: DST Inspire lecture on Derivatives: Properties and Applications at IET Sitapur on 30th July 2014.
10. Trilok Mathur: Delivered an invited lecture on "Introduction of Fractional Calculus and its Applications" in COMPUTATIA-IV at VIT, Jaipur on 25 November, 2014.
11. Trilok Mathur: Delivered an invited lecture in "Mathematics Week" at Tagore International School, Jaipur on 15 December, 2014.

G. INVITED TALKS ARRANGED IN THE DEPARTMENT

1. Prof. J.K. Verma, Department of Mathematics, Indian Institute of Technology Bombay delivered a talk on the topic "Polynomial Equations and Eigenvalues" on 10-03-2014.
2. Prof. Veerappa Gowda, TIFR Centre for Applicable Mathematics, Bangalore delivered a talk on the topic "Godunov-type Finite Volume Approximation for Formation of Sand pile on a Finite Table" on 24-03-2014.

H. AWARDS AND RECOGNITIONS WON BY FACULTY AND STUDENTS

1. CB Gupta: Member Advisory Committee for DST Radio Maths Project in CRS Alwar Ki Awaaz.
2. Trilok Mathur: Appointed as Observer, Central Board of Secondary Education-All India Pre-Medical Test-2014 (A national level examination).
3. Suresh Kumar: Selected as Visiting Associate for a period of three years (2014-2017) by Inter University Centre for Astronomy and Astrophysics (IUCAA), Pune.

I. FACULTY DEVELOPMENT, INTERNATIONAL COLLABORATION & INDUSTRY IMMERSION

Maiti, D.K.: Visited ICMSEC, Academy of Mathematics and Systems Science, CAS, Beijing under Chinese Academic of Science visiting research fellowship, during May 20 - August 3, 2014.

J. SIGNIFICANT NEW EQUIPMENTS/EXPERIMENTAL FACILITY ADDED DURING THE YEAR
Nil

K. DEPARTMENTAL ASSOCIATION/CLUB ACTIVITIES

Mathematics Association

Mathematics Association conducted the following activities during 2014 :

1. Magazine "To ∞ and beyond"
2. **Monopoly:**

The final winners of the event were:

- (i) Prateek Gupta and Ashwin Daswani
- (ii) Bhavaya Gupta and Mohit Chandel

Events in apogee 2014

1. **APOGEE Projects:** The project MECHANICAL SCULPTOR bagged the **second prize** in the category Simulation and Mathematical Modelling in Project Presentation Competition in APOGEE 2014.
2. **Fast and Curious(quiz):** Winner was Abhishek Mandora.
3. **Gambling Mathematics:** Winners were Gaurav Gupta and Shubhi Agarwal
4. **Problem Bazar:** The winner of this event was Nikhil Bhutada.

B1.10.10 Department: Mechanical Engineering

Number of faculty members (as on 31 December 2014)

Senior Professors, Professors	4
Associate Professors	05
Assistant Professors	12
Lecturers	07
Visiting Faculty	02

Head of the Department: Prof. Sai Jagan Mohan

Contact details: sai.mohan@pilani.bits-pilani.ac.in

Number of PhD Scholars: 23

Ph.D. Thesis Submitted during the year: 06

A. SPONSORED RESEARCH ACTIVITIES

Total number of Sponsored Projects in the department:

Details are given below.

(i) Ongoing projects:

1. Department of Science and Technology (DST): Characterization of surface errors in machining of thin-walled curved geometries, Rs. 24.09 Lacs, Dr. T. C. Bera.
2. Department of Science and Technology (DST): Experimental Investigation on CO₂ Based Refrigeration System in Trans-critical Cycle, Rs. 27.5 Lacs, PI: Prof. M. S. Dasgupta, Co-Investigator: Dr. D. K. Gupta.
3. DAAD, Germany: Indo-German Automotive Life Cycle Engineering (InGA-LCE), 2013-15, 94423 € (Approximately 70 Lacs), Dr Kuldeep Singh Sangwan, Prof Christoph Herrmann and Dr. K C Vora
4. UGC Major Research Project: Development and Validation of Sustainability Measurement Framework for Manufacturing Industries, Rs.3.22 Lacs, PI: Dr. A. K. Digalwar, Co-Investigator: Prof. K S Sangwan

5. UGC Major Research Project: Development of drivers, barriers and key performance indicators for implementation of green manufacturing in Indian Micro, small and medium ceramic enterprises, Rs. 9.908 Lacs, PI: Prof. K. S. Sangwan.
6. Department of Science and Technology (DST): Fund for Improvement of S&T Infrastructure in Universities and Higher Educational Institutions (FIST), 2012-17, 165 Lacs.
7. UGC Major Research Project: Design of Supplier Development Implementation Framework for Indian Manufacturing Industries, Rs. 9.40 Lacs, PI: Prof. Srikanta Routroy.
8. Ministry of Information and Technology, (MIT) :Development, Design and Engineering of 28-DOF Humanoid to avoid obstacles and handle specified objects in the environment, 2012-March 2015, 45 Lacs, PI: Prof. B.K Rout.

(ii) Projects sanctioned during the year

1. Department of Science and Technology (DST): Studies in fluidized bed combustor with co firing rice husk and coal under oxy fired conditions, 26.42 Lacs, Dr. Ravi Inder Singh
2. BITS Pilani, RIG, Design, Development and CFD Modeling of ash cooler of circulating fluidized bed boilers, Rs. 2.00 Lacs, Dr. Ravi Inder Singh.

(iii) Projects completed this year

1. Gas authority of India Limited (GAIL): Design and development of condition monitoring of pipelines using WSN, Rs.71.36 Lacs, 2012-2014, PI :Dr. K. R. Anupama (Goa campus), Co-PI: Dr. A K Jalan, Dr. Sharad Shrivastava.

B. PUBLICATIONS

The faculty of the department published 39 papers in international/national refereed journals during the year.

1. Bhamu, J., & Sangwan, K. S. (2014). Lean Manufacturing: Literature review and research issues. *International Journal of Operations and Production Management*, 34(7), 876-940.
2. Bhosale, S. H., Rangasai, M. C., Singh, V. V., & Ghosh, S. B. (2014). Integration of biobased functionalized feedstock and plastisol in epoxy resin matrix towards developing structuraljute biocomposites with enhanced impact strength and moisture resistance properties. *Polymer Composites*, DOI: 10.1002/pc.23192.
3. Chakraborty, A., & Mishra, R. P. (2014). Identification of positive deviance-methodology development. *International Journal of Process Management and Benchmarking*, 4(1), 36-50.
4. Dambhare, S., Borader, A., & Digalwar, A. K. (2014). Sustainability issues in turning process: A study in Indian machining Industry. *Procedia CIRP*.
5. Digalwar, A. K., & Giridhar, G. (2014). Interpretive structural modelling approach for Sustainable development of electric vehicle market in India. *Procedia CIRP*.
6. Digalwar, A. K., & Padma, N. (2014). Implementation of Total Productive Maintenance in Manufacturing Industries: A Literature Based Metadata Analysis. *The IUP Journal of Operations Management*, 13(1), 39-53.
7. Digalwar, A. K., Haridas, P., & Joseph, N. I. (2014). Development and validation of quality management constructs for software industries: an empirical investigation from India. *International Journal of Services and Operations Management*, 17(4), 453-478.
8. Dubey, S. K., & Srinivasan, P. (2014). Development of Three Dimensional Transient Numerical Heat Conduction Model with Growth of Oxide Scale for Steel Billet Reheat Simulation. *International Journal of Thermal Sciences*, 84, 214-227.
9. Dubey, S. K., & Srinivasan, P (2014). Steel Billet Reheat Simulation with Growth of Oxide Layer and Investigation on Zone Temperature Sensitivity. *Journal of Mechanical Science and Technology*, 28(3), 1113-1124.
10. Gakkhar, N., & Soni, M. S. (2014). Techno-economic Parametric Assessment of CSP Power Generations Technologies in India. *Energy Procedia*, 24, 152-160.
11. Ghosh, S. B., Ghosh, S. B., & Sain, M. (2014). Development of novel polysaccharide derived hybrid microcellular biocomposite and evaluation of cytotoxicity. *Journal of Composite Materials*, 48 (26), 3303-3311.
12. Gupta, D. K., & Dasgupta, M. S. (2014). simulation and performance optimization of finned-tube. *International Journal of Refrigeration*, 38, 153-167.
13. Jindal, A., & Sangwan, K. S. (2014). Closed loop supply chain network design and optimisationusing fuzzy mixed integer linear programming model. *International Journal of Production Research*, 52(14), 4156-4173.
14. Digalwar, A.K., Borade, A., & Metri, B. (2014). A Fuzzy AHP Approach for Supplier Selection. *Operations and Supply Chain Management : An International Journal*, 7(4), 46-53.

15. Kant, G., & Sangwan, K. S. (2014). Prediction and optimization of machining parameters for minimizing power consumption and surface roughness in machining. *Journal of Cleaner Production*, 83, 151-164.
16. Khaderi, S. N., Murali, P., & Ahluwalia, R. (2014). Failure and toughness of bio-inspired composites: Insights from phase field modelling, Failure and. *Computational Materials Science Volume*, 95, 1-7.
17. Marathe, A., & Govindarajan, R. (2014). Nonlinear Dynamical Systems, Their Stability, and Chaos Lecture notes from the FLOW-NORDITA Summer School on Advanced Instability Methods for Complex Flows Stockholm, Sweden, 2013. *Appl. Mech. Rev.*, 66(2), 024802-024816.
18. Mishra, R. P. (2014). Structural modeling and analysis of world-class maintenance system:A graph theoretic approach. *International Journal of Process Management and Benchmarking*, 4(1), 69-88.
19. Mishra, R. P., & Chakraborty, A. (2014). SWOT Analysis of Lean Implementation Frameworks. *Int. J. of Lean Enterprise Research*.
20. Mittal, V. K., & Sangwan, K. S. (2014). Modeling Drivers for Successful Adoption of Environmentally Conscious Manufacturing. *Journal of Modelling in Management*, 9(2), 127-140.
21. Mittal, V. K., & Sangwan, K. S. (2014). Development of a Model of Barriers to Environmentally Conscious Manufacturing Implementation. *International Journal of Production Research*, 52(2), 584-594.
22. Mittal, V. K., & Sangwan, K. S. (2014). Development of a Structural Model of Environmentally Conscious Manufacturing Drivers. *Journal of Manufacturing Technology Management*, 25(8), 1195-1208.
23. Mittal, V. K., & Sangwan, K. S. (2014). Prioritizing drivers for green manufacturing:environmental, social and economic perspectives. *Procedia CIRP*, 15, 135-140.
24. Mittal, V. K., & Sangwan, K. S. (2014). Prioritizing barriers to green manufacturing:environmental, social and economic perspectives. *Procedia CIRP*, 17, 559-564.
25. Pradhan, S. K., & Routroy, S. (2014). Analyzing the supply chain risk issues for an Indian manufacturing company. *Journal of Advances in Management Research*, 11(2), 144-162.
26. Pradhan, S. K., & Routroy, S. (2014). Analyzing the performance of Supplier Development: A case study. *International Journal of Productivity and Performance Management*, 63(2), 209-233.
27. Pradhan, S. K., & Routroy, S. (2014). Development of supply chain risk mitigation strategy: A case study. *International Journal of Procurement Management*, 7(4), 359-375.
28. Rangasai, M. C., H., B. S., Singh, V. V., & Ghosh, S. B. (2014). Incorporation of epoxidized soybean oil as co-matrix in synthetic epoxy resin towards developing plastisol/particulate toughened glass fibre mat reinforced composite. *Journal of Applied Polymer Science*, 131(15), 1-8.
29. Routroy, S., & Pradhan, S. K. (2014). Benchmarking model of supplier development for an Indian gear manufacturing company. *Benchmarking: An International Journal*, 21(2), 253-275.
30. Routroy, S., & Shankar, A. (2014). A Study of Apparel Supply Chain Risks. *The IUP Journal of Supply Chain Management*, 11(2), 1-18.
31. Routroy, S., & Sunil Kumar, C. V. (2014). Analyzing Supplier Development Program Enablers using Fuzzy DEMATEL. *Measuring Business Excellence*, 18(4), 1-26.
32. Sangwan, K. S., & Mittal, V. K. (2014). Fuzzy TOPSIS method for ranking barriers to environmentally conscious manufacturing implementation: government, industry and expert perspectives. *International Journal of Environmental Technology and Management*, 17(1), 57-82.
33. Sangwan, K. S., Bhakar, V., Naik, S., & Andrat, S. N. (2014). Life cycle assessment of incandescent, fluorescent, compact fluorescent and light emitting diode lamps in an Indian scenario. *Procedia CIRP*, 15, 467-472.
34. Sangwan, K. S., Bhamu, J., & Mehta, D. (2014). Development of lean manufacturing implementation drivers for Indian ceramic industry. *International Journal of Productivity and Performance Management*, 63(5), 569-587.
35. Sharma, S. K., Bhat, A., & Routroy, S. (2014). An empirical study supply chain risk strategies in Indian Automobile Industry. *The IUP Journal of Supply Chain Management*, 11(4), 7-24.
36. Singh, R. I. (2014). Study of fluidized bed combustion power plant using agriresidues. *Applied Thermal Engineering*, 71, 616-626.
37. Soni, M. S., & Gakkhar, N. (2014). Techno-economic parametric assessment of solar power in India: A survey. *Renewable and Sustainable Energy Reviews*, 40, 326-334.
38. Sunil Kumar, C. V., & Routroy, S. (2014). Addressing the Root Cause Impediments for Supplier Development in Manufacturing Environment. *Procedia Engineering*, 97, 2136-2146.
39. Vijayaraghavan, V., Garg, A., Tai, K., Singru, P. M., Gao, L., & Sangwan, K. S. (2014). A Molecular Dynamics Based Artificial Intelligence Approach for Characterizing Thermal Transport in Nanoscale Material. *Thermochimica Acta*, 594, 39-49.

The faculty of the department published 10 papers in conference proceedings during the year.

1. Bhakar, V., Lakshminarayanan, Digalwar, A. K., & Sangwan, K. S. (2014). Life cycle assessment of flexible manufacturing system training process. *Proceedings of National Conference on Emerging Trends in Mechanical Engineering*, (pp. 184-190). BNCE, Pusad.
2. Ghosh, S. B., Batra, V., Srinivasan, S., & Ghosh, S. B. (2014). Designing of Biobased Nanocomposite Foam Scaffold with 3D Microenvironment using Graphene and Nanocellulose Reinforcements. *International Conference on Biobased Materials and Composites*. Montreal, Canada.
3. Ghosh, S. B., Palshikar, A., Kumar, M., Jain, V., & Ghosh, S. B. (2014). Fused filament fabrication (FFF) with engineered biopolymer composites combined with post-mortem examination-a sustainable approach towards additive manufacturing. *International Conference on Biobased Materials and Composites*, ICBMC. Montréal, Canada.
4. Joshi, D., Purwar, A., & Dasgupta, M. S. (2014). Human Detection Based on Explicit Skin Colour Space Thresholding and Minor Motion. *IEEE INDICOM*. Pune, India.
5. Diwan, K. & Soni, M.S (2014). Heat transfer enhancement in parabolic trough concentrators using wire-coil inserts. *International Conference on Industrial, Mechanical and Production Engineering: Advancements and Current Trends*. MANIT, Bhopal.
6. Sangwan, K. S., Bhakar, V., Naik, S. & Andrat, S. N. (2014). Life cycle assessment of incandescent, fluorescent, compact fluorescent and light emitting diode lamps in an Indian scenario. *21ST CIRP Conference on Life Cycle Engineering*. Trondheim, Norway.: NTNU and Centre for Norwegian Manufacturing Future.
7. Shekhar, S., Soni, M. S., & Gakkhar, N. (2014). Solar Distillation Technologies in India: Past, Present and Future. *International Congress on Renewable Energy (ICORE)– 2014, "Powering National Growth Through Solar"*. New Delhi.
8. Singh, P. J., & Sangwan, K. S. (2014). Employee involvement and training in environmentally conscious manufacturing implementation for Indian manufacturing industry. *IEEE International Conference on Industrial Engineering and Engineering Management*. Malaysia.
9. Singh, R. I. (2014). CFD Modelling of fluidized bed using waste plastics using eulerian eulerian Approach. *International Congress on Renewable Energy (ICORE), "Powering National Growth Through Solar"*. New Delhi.
10. Sravan, R. P., Soni, M. S., & Jakhar, S (2014). A review on Photovoltaic/Thermal and Concentrated Photovoltaic/Thermal hybrid solar technology. *International Congress on Renewable Energy (ICORE), "Powering National Growth Through Solar"*. New Delhi.

The faculty of the department published 02 Book chapters during the year.

1. Dambhare, S, Deshmukh, S J., Borade, A, Digalwar, A.K. (2014), "Sustainability Assessment Model for Machining Process (pp.281-291) in Metri Bhimaraya and Pujawan, Myoman (Eds) Trends in Operations and Supply Chain Management, First Edition (2014), McGraw Hill Education (India) Pvt. Ltd.
2. Ghosh, S. B., Ghosh, S. B., & Sain, M. (2014). The Use of Biobased Nanofibres in Composites. In O. Faruk, & M. Sain, 'Biofibre Reinforcement in Composite Materials (pp. 571-647). UK: Woodhead Publication.

C. Conferences attended/papers presented:

1. Dr. Srikanta Routroy presented paper in National Conference on Recent Trends and Developments in Operations Research, February 22-23, BITS Pilani, Pilani Campus.
2. Dr. Srikanta Routroy presented paper in GCMM2014 (Global Congress on Manufacturing and Management), December 8-10, VIT, Vellore.
3. Dr. A.K. Digalwar presented paper in 12th Global Conference on Sustainable Manufacturing. at Johor Bahru, Malaysia, September 22-24.
4. Dr. Rajesh P. Mishra, presented a paper in 12th Global Conference on Sustainable Manufacturing. at Johor Bahru, Malaysia, September 22-24.
5. Dr. Rajesh P. Mishra, presented paper in National seminar on Indian industries of Mining: futures challenges, Indian Institute of Metals, Khetri nagar Rajasthan India 18 January
6. Dr Subrata Bandhu Ghosh presented paper in the International Conference on Biobased Materials and Composites', ICBMC'14, May 13-16, Montreal, Canada.
7. Dr. Sanchita Bandyopadhyay Ghosh presented paper in the International Conference on Biobased Materials and Composites', ICBMC'14, May 13-16, Montreal, Canada.

D. BOOKS PUBLISHED/EDITED DURING THE YEAR - NIL

E. CONFERENCES, SEMINARS & WORKSHOPS CONDUCTED

1. Centre for Renewable Energy and Environment Development (CREED), Mechanical Engineering Department organized a one day workshop on "Solar cooker building" on 8th April 2014 at BITS Pilani

F. INVITED TALKS GIVEN BY BITS FACULTY

1. A. K. Digalwar, Evolution of Manufacturing, Dronacharya Group of Institutions, Greater Noida, 8th August, 2014.
2. A. K. Digalwar, Green manufacturing performance measures, SHVPM College of Engineering & Technology, Amravati. 21-25 April, 2014.
3. B.K. Rout, Design of Experiments, ANOVA, Factorial Designs and RSM, TEQIP program at MNIT Jaipur, October 2014.
4. K. S. Sangwan, Green manufacturing imperatives, BRCM College of Engineering and Technology, Bahal, Bhiwani, March 13, 2014.
5. K. S. Sangwan, Importance of Intelligent Systems in Design of Cellular Manufacturing and Machining Processes, BMS College of Engineering, Bangalore, 22nd January 2014
6. K. S. Sangwan, Writing a research paper: a process approach, Workshop on research methodology, Vivekananda Global University, Jaipur, November 03, 2014.
7. P. Srinivasan, A short term course on Metallurgy of Power Plant Materials, NTPC, Ramagundam, 19-20 December 2014.
8. P. Srinivasan, A short term course on Fracture mechanism NTPC, Ramagundam, 22-23 December 2014.
9. S. K. Dubey, A short term course on Metallurgy of Power Plant Materials, NTPC, Ramagundam, 19-20 December 2014.
10. S. K. Dubey, A short term course on Fracture mechanism, NTPC, Ramagundam, 22-23 December 2014.

G. INVITED TALKS ARRANGED IN THE DEPARTMENT

1. Mr. Deepak Gadhia Trustee of Muni Seva Ashram a NGO in Goraj, Vadodara, Gujarat delivered a talk on Solar Concentrators- Evolution, current trends and future on 7th April 2014 at BITS, Pilani
2. Prof Siddhartha Panda, IIT Kanpur delivered invited lecture on Transport and Reactions in Microfluidic Immunosensors on 20 September, 2014.

H. AWARDS AND RECOGNITIONS WON BY FACULTY AND STUDENTS

1. Dr. A. K. Digalwar Appointed as a Secretary General for Indian Subcontinent Decision Science Institutions (USA) for two years.
2. Dr. A.K..Digalwar appointed as a member of editorial board for the following journal: International Journal of Manufacturing Systems publishing by Science Alert, New York, USA; Asian Journal of Industrial Engineering publishing by Science Alert, New York, USA; Research Journal of Business Management publishing by Academic Journals Inc. New York, USA
3. Dr. A. K. Digalwar worked as a technical Committee member for National Conference on Industrial Engineering and Management Scheduled during Oct 29-31, 2014 at NITIE Mumbai.
4. Dr. Subrata Bandhu Ghosh was selected as the recipient of "Outstanding Educational Achievement" award by 'International Biographical Centre', July, 2014.
5. Dr. Subrata Bandhu Ghosh, Dr. Murali P. and Dr. Srinivas Kota received the OPERA award at BITS Pilani.
6. Dr. Subrata Bandhu Ghosh's bio-note has been selected to be included in the 'Asian Admirable Achievers' (8th Edition), published by 'Rifacimento International',

I. FACULTY DEVELOPMENT, INTERNATIONAL COLLABORATION & INDUSTRY IMMERSION

1. Prof. K S Sangwan, Industry Immersion at SKF Pune.

J. SIGNIFICANT NEW EQUIPMENTS/EXPERIMENTAL FACILITY ADDED DURING THE YEAR:

1. Pyranometer and Pyrehliometer
2. Software TRNsys

3. Fatigue testing machine and Torsion testing machine
4. Data Acquisition system
5. Nos Acoustic sensor
6. Filament Extruder
7. Vacuum Oven
8. FDM based 3D Printer
9. SLA-laser based additive manufacturing facility
10. Dell T7160 workstation with Nvidia K20 Tesla Processor

K. DEPARTMENTAL ASSOCIATION/CLUB ACTIVITIES

(i) Society of Automotive (SAE) Collegiate Club

SAE Collegiate Club, BITS Pilani is a group of budding engineers committed to the promotion of automotive knowledge and technologies. The club has been instrumental in providing students a link between practical and theoretical knowledge. With more than 150 student members, from various disciplines, the club encourages inter-disciplinary approach to finding automotive solutions. The club organizes various activities such as Guest Lectures, Workshops, Quizzes, Project presentation, and Design competitions based on Land and Air transport technologies throughout the academic year. Inspired Karters, the flagship group formed under SAE has been successfully participating in BAJA SAE India, an ATV design challenge and SUPRA SAE India since its inception.

(ii) ASME

The ASME student section in BITS-Pilani was started in September, 2008 to provide students an opportunity to enhance their technical knowledge, showcase their talent and network with professionals and other student members from all over the world.

(iii) RC

Radio Control (RC) club was founded in 2011 and aims to bring together all the RC enthusiasts from all the four BITS campuses, share knowledge & research work and also work on various multi-disciplinary projects. The club comprised of students mainly from Mechanical, Manufacturing, Electrical and Electronics & Electronics & Instrumentation Engineering discipline.

(iv) Renewable Energy Club

The Renewable Energy Club is an exclusively a student managed body that operates under CREED. The Club has undertaken active work in organizing competitions, quizzes, carbon footprint analysis and carbon credits. Commercial organizations in these areas have evolved out of this club, and are currently owned and operated by BITS alumni.

(v) CRIS

Demonstration of the humanoid robot in Bhabha Atomic Research Centre – July 2014. Demonstration of the humanoid robot at Industrial Expo -2014 conducted by German embassy at Noida, July 2014

B1.10.11 Department: Management

Ninth batch of sixty students was admitted to the M.B.A Programme (launched from 1st sem.2006) this year. The institute used CAT and GMAT scores for short-listing candidates for its MBA Programme for 2014. This was followed by group discussion and personal interviews for the candidates that were conducted by the faculty teams of Management Department at Delhi, Hyderabad, Bangalore and Pilani. The major change that was incorporated in the eligibility conditions for applying to our MBA Program was relaxing the condition of allowing only engineering degree or BITS first degree holders to any candidate with a post graduate degree in any discipline. This was done to increase the heterogeneity of perspectives such a mixed population in the class can bring.

Student activities

Management association organized year-long activities through its clubs structured along four important functional areas of management viz. Marketing, Human Resource Management, Finance and Operations Management along with **Interface 2014**.

All India Management Convention, Interface 2014

37th All India Management Convention, Interface 2014 was organized by the Department of Management of BITS Pilani on 31st January to 2nd February 2014. Interface serves as a platform for students and professionals

to come alive with the skills and ideas that are necessary to run the ever dynamic and fast growing industries in India. It's a Pan-India Management Convention where students showcase their exceptional managerial dexterity, innovative business ideas and incomparable entrepreneurial skills. Interface which started as an annual event in 1978 has been running every year with increasing participation from various colleges across the country.

The three days Management extravaganza with the theme, 'RanNeeti (Military strategy)' had several events including Paper presentations, Finleshan Equity Research Event (Finance), Angry Traders Online Virtual Trading Event (Finance), Strategic CSR Plan Competition (HR), Case Study Competition (HR), Redemption : Ad Campaign Event (Marketing), Street Smart Marketer (Marketing), Op-Arena (Operations), Sarachana : Short Story Competition (Reflexionar), Doodle in a Muddle : Doodle Making (Reflexionar) and Ran-Neeti@War-rooms : Expert talks on 'How corporate strategies are designed.

Prof. G. Raghurama, Director BITS Pilani, Pilani campus graced the inaugural function. Mr. Harsh Juneja, Vice-President, Tata Teleservices Ltd. was the chief guest and delivered the keynote address. He said that to succeed in the corporate world, the managers need to follow the principles of SIDI (S = Simple, but structured; I = Information gathering, be a good listener and move forward; D = Drive, have fire in the belly; and I = Improvement, make continuous improvement).

Mr Sameer Pathak, Senior Manager – PAC, Coca-Cola India Inc. ,Guest of Honour, said in his address that a good manager does not merely sell, but adds value. He asked the young managers to regularly question the status quo so that he/she can improve and move forward.

New Infrastructure

The department started its classes for new batch of MBA students and the faculty shifted to its new department in the enhanced infrastructure at NAB (New Academic Building). The new infrastructure at NAB included use of syndicate rooms for group discussions. Department also enhanced its educational infrastructure by subscribing through an online site license and using cases and other educational material from Harvard Business Publishing. Five faculty members were trained at the case teaching workshops at IIM (A) & IIM(C).The senate approval for adding Human Resource Management electives as the fifth specialization elective stream was also secured during this year.

Faculty activities

The group discussion and personal interviews for the candidates were conducted by the faculty teams of Management Department at Delhi, Hyderabad, Bangalore and Pilani. The department organized five workshops in emerging areas related to business analytics, human resource outsourcing, R-software etc. Twelve structured sessions of eminent guest speakers were organized during this year. Several projects in various functional areas of management were supervised by the Department faculty members under special oriented projects, study oriented projects, and computer oriented projects, reading courses and first degree thesis. Regular faculty and research scholar seminars were conducted in the department. The Department faculty members continued to teach many courses in WILP Programs of the institute including contact sessions of M Phil. (HHSM).Faculty and research scholars prolifically published papers in international journals, national journals and in conference proceedings (a total of forty two in all) as well as a few have submitted proposals for projects to the sponsoring organizations.

Guest faculty visited Department of Management, BITS Pilani - Pilani Campus in last one year

S.No.	Name	Area of Expertise	Dates of Visit
1	Dr. Sujoy Bhattacharya Assistant Professor VGSOM, IIT Kharagpur	Business Analytics, Marketing and Marketing Research	21st -24th Nov. 2014
2	Mr. Partho Dasgupta, Country Head --Solutions for Dimension Data. Experience Summary: 24 years of sales, presales, marketing, strategy, industry and P&L leadership in Dimension Data, Microland, Wipro InfoTech and Wipro Technologies. Committed to creating enduring value through innovative thinking, disciplined execution and integrity.	Sales and Marketing	9th-15th Nov. 2014 & 20th-24th April 2014
3	Mr. Pankaj Aggarwal Founder and CEO, People Strong Ms. Soma Rao Member- HR Team People Strong	Human Resource Management	22nd-23rd Sep. 2014

S.No.	Name	Area of Expertise	Dates of Visit
4	Mr. Mohan Joshi 30 Years of experience in marketing across Specialized and Pharmaceutical industry Associated with renowned multi-national companies such as SCHOTT Glass India Limited (German MNC), Torrent Pharmaceuticals, Associated Capsules Group, Chanrai Group (a leading NRI group operating in U.K., Africa and Asia), and Borosil Glass (formerly Corning Glass).	Strategic Management, Marketing and Leadership development & performance coaching	6th-8th Sep. 2014
5	Dr. Vasudevan Sundararajan VP Business Consulting Analytics division HSBC	Business Analytics	19th-20th April 2014
6	Mr. Somnath Mitra Worked with IBM, India Mr. Mitra has more than 16 years of work ex in IT industry, with experience in Oil & Gas (upstream, and downstream) domain, and Telecom domain.	Management information systems	12th-13th April 2014

B1.10.12 Department: Pharmacy

Number of faculty members (as on 31 December 2014)

Senior Professors, Professors	03
Associate Professors	01
Assistant Professors	08
Lecturers	04
Visiting Faculty	00

Head of the Department: Dr. S. Murugesan

Contact details: murugesan@pilani.bits-pilani.ac.in

Number of PhD Scholars: 26

Number of PhD Scholars being supported through Projects and External Funding: 19

Number of First Degree and Higher Degree Students being Supported by Sir Ratan Tata Trust: 14

Ph.D. Thesis Submitted during the year: 05

A. SPONSORED RESEARCH ACTIVITIES

(i) Ongoing projects:

S.No.	Project Title	Principal Investigator	Agency	Sanction (Rs. in Lakh)
1.	Studies of Carbopols Use for Controlled Release and Other Uses by Extrusion and Spheronization Techniques	Prof. R.N. Saha	Lubrizol, USA	12.00
2.	Design, Synthesis and Evaluation of Novel Tetrahydroquinoline & Tetrahydroisoquinoline analogs as anti-HIV agents	Dr. S. Murugesan	DST-SERB	24.75
3.	Exploring neuroprotective effect and molecular mechanisms of remote limb ischemic post conditioning against brain stroke	Dr. Rajeev Taliyan	DST-SERB	25.00
4.	Exploring pharmacological potential of GSK-3 β and HDAC inhibitor alone and in combination in neurological disorders associated with metabolic syndrome	Dr. Rajeev Taliyan	UGC-strat up	6.00

S.No.	Project Title	Principal Investigator	Agency	Sanction (Rs. in Lakh)
5.	Understanding the Epigenetic Regulation in modulating Inflammatory Response mediated by NF-kB through AT1 or AT2 receptor in Type II diabetic nephropathy	Dr. Gaikwad Anil Bhanudas	DST SERB	19.41
6.	Esculetin a Therapeutic Intervention Targeted at Cardio-Renal Syndrome in Type 2 Diabetes	Dr. Gaikwad Anil Bhanudas	DST SERB	39.66
7.	Effect of Esculetin on Angiotensin II in rat thoracic aorta under hyperglycaemic and hyperinsulinaemic conditions	Dr. Gaikwad Anil Bhanudas	UGC-Major	13.43
8.	Effect of Esculetin on the development of type II diabetic nephropathy	Dr. Gaikwad Anil Bhanudas	BITS Pilani	2.00
9.	Design and characterization of enteric coated lipid nanoparticles for anti-HIV drug delivery	Dr. Anil Jindal	BITS Pilani	2.00
10.	Nano-carriers for co-delivery of small molecules and oligonucleotides.	Dr. Deepak Chitkara	BITS Pilani	2.00
11.	Bioanalytical Method Development and Validation of Racemic Drugs by Dried Blood Spot Technique and Its Application to Pharmacokinetic Studies	Dr. Sunil Kumar Dubey	BITS Pilani	2.00
12.	Development and Evaluation of Lipo-polymeric Micelles For Drug Delivery.	Dr. Anupama Mittal	BITS Pilani	2.00
13.	Design and synthesis of novel anti malarial agents	Prof. R. Mahesh	Indo-Canadian DBT Project	21.00
14.	Development of ecofriendly nonionic surfactants coupled ultrasonic extraction technology for conophylline- An antidiabetic lead molecule and its comparison with conventional extraction techniques	Dr. Atish T Paul	BITS Pilani	2.00

Brief Write Up of Projects:

Studies of Carbopols Use for Controlled Release and Other Uses by Extrusion and Spheronization Techniques

Carbopols, important pharmaceutical excipients, are brand products of Lubrizol USA and are used for different purposes for making formulations or drug delivery systems. Different carbopols have been selected and used, alongwith other excipients for making granules by extrusion and spheronization techniques. Other excipients used are MCC, starch, etc. Optimization of process parameters are going on. Also analytical methods, both UV spectrophotometric and HPLC, of selected drugs have been developed.

Design, Synthesis and Evaluation of Novel Tetrahydroquinoline & Tetrahydroisoquinoline analogs as anti-HIV agents

In the above mentioned project, some novel analogs of 1,2,3,4-tetrahydroquinoline and 1,2,3,4-tetrahydroisoquinoline will be designed based upon the pharmacophoric requirements for the inhibition of HIV activity by using Schrodinger Glide molecular modelling software. Based on the results of the docking study, the hit molecule will be synthesized by optimized reaction procedures. It will be followed by purification and characterization by appropriate analytical methods like TLC, Column chromatography, IR, NMR, Mass and Elemental analysis. Finally all these confirmed molecules will be subjected to screen against inhibition of HIV and other allied opportunistic infections. At last but not the least, based on the over all results, lead molecule will be identified and further will be optimized.

Exploring neuroprotective effect and molecular mechanisms of remote limb ischemic post-conditioning against brain stroke

Stroke is recognized as a leading cause of morbidity and represents a major health care problem and the second leading cause of death worldwide. In 2005, stroke accounted for nearly 5.7 million deaths and 16 million cases of first ever strokes worldwide. The ongoing socio-demographic and epidemiological transition in India has a key influence on the burden of stroke and the problem is likely to increase in the coming years. Tissue plasminogen activator (tPA) and platelet aggregation inhibitor is the only approved treatment for stroke, but its beneficial thrombolytic actions are counterbalanced by the limited window of efficacy following the onset of symptoms and its neurotoxicity. Owing to the failure of clinical trials for pharmacological neuroprotective strategies in stroke, attention of researchers has been recently focused for exploration of novel concepts that may eventually lead to clinical application. One of these concepts is ischemic postconditioning (IPost), which refers to interference of blood flow by a series of brief, repetitive occlusion and release of cerebral blood vessels

after reperfusion. IPost can even be produced via a remote organ, such as limbs, kidney and abdominal aorta; a phenomenon termed as remote ischemic post-conditioning (RIPost) that reduce myocardial injury in rats. Therefore, this study has been designed to investigate the neuroprotective effect of remote limb and abdominal ischemic post-conditioning against brain stroke and its possible molecular mechanisms.

Exploring pharmacological potential of GSK-3 β and HDAC inhibitor alone and in combination in neurological disorders associated with metabolic syndrome

Insulin resistance or hyperinsulinemia as well as type II diabetes mellitus and metabolic disorder are among the risk factors for various neurodegenerative disorder including depression, memory deficit and Alzheimer's disease (AD). Several studies have shown that both insulin and its target, insulin receptors (IR), are abundantly distributed throughout the brain and are involved in the regulation of glucose metabolism, food intake, body weight and also affects numerous brain functions including cognition and memory through complex insulin/IR signaling pathway. Several studies indicate that in memory deficit and AD, with or without co-morbid depression, the brain itself becomes insulin resistant and that this promotes or even triggers key pathophysiological events involved in genesis of neurological disorders. However, the molecular mechanism underlying the mirror relationship between insulin resistance, metabolic syndrome and neurological disorders is not fully understood. GSK-3 β and its downstream pathway are of particular relevance to memory deficit and AD since it phosphorylates APP at Thr668, as well as Tau and Presenilin1, inducing amyloid plaques and neurofibrillary tangles formation and promoting neuro-inflammation. Increasing evidence suggests that HDAC and A β induces hyperphosphorylation of tau through the activation of GSK-3 β . Therefore, this study has been designed to investigate the pharmacological potential of GSK-3 β and HDAC inhibitors, alone and in combination, in depression, memory deficits and AD associated with insulin resistance syndrome.

Understanding the Epigenetic Regulation in modulating Inflammatory Response mediated by NF- κ B through AT1 or AT2 receptor in Type II diabetic nephropathy

Covalent modifications of histone residues determine chromatin structure dynamics and transcription factor accessibility, i.e. epigenetic control of chromatin replication and gene transcription. For example, transcriptional activity of calmodulin-binding transcription activator (CAMTAs, promotes cardiomyocyte hypertrophy) is governed by association with class II histone deacetylases (HDACs), which negatively regulate cardiac growth. A recent study also reports the role of elevated acetylated histone in vascular injury and remodeling in type I diabetic patients. These reports imply the involvement of global epigenetic changes in the pathogenesis of the diabetic complications. Considering these facts in the proposed project we hypothesized that covalent modification of histone H3 may have an important role in chromatin remodeling in diabetic kidney and transcription of inflammatory genes. Different histone modifications will be studied in this kidney under diabetic complications.

Esculetin a Therapeutic Intervention Targeted at Cardio-Renal Syndrome in Type 2 Diabetes

Diabetic nephropathy is a result of several metabolic and hemodynamic processes. It is increasingly apparent that individuals with chronic kidney disease are more likely to die of cardiovascular disease than to develop kidney failure. Chronic kidney disease promotes hypertension and dyslipidemia, which in turn can contribute to the progression of renal failure. Together, hypertension, dyslipidemia, and diabetes are major risk factors for the development of endothelial dysfunction and progression of atherosclerosis. Inflammatory mediators are often elevated and the renin-angiotensin system is frequently activated in chronic kidney disease, which likely contributes through enhanced production of reactive oxygen species to the accelerated atherosclerosis observed in chronic kidney disease. Hence, in the proposed study natural product like esculetin, which has been recognized as inhibitors of lipoxygenase, cyclooxygenase enzymatic pathways and neutrophil-dependent superoxide anion generation will be used as a therapeutic intervention for cardio-renal syndrome in type 2 diabetes.

Effect of Esculetin on Angiotensin II in rat thoracic aorta under hyperglycaemic and hyperinsulinaemic conditions

Diabetes specific microvascular disease is a leading cause of blindness (retinopathy), renal failure (nephropathy) and nerve damage (neuropathy), and diabetes-accelerated atherosclerosis (vasculopathy) leads to increased risk of myocardial infarction, stroke and finally to heart failure. Outcome of the proposed study will result in the understanding of the vascular dysfunction under pre-diabetic condition and type 2 diabetic condition. Further, protective effects of esculetin in preventing the vascular dysfunction through its anti oxidant mechanism will be an addition to class of different antioxidant used for the treatment of hypertension. Hence, esculetin could be an alternative to for the treatment of hypertension which is associated with a pre-diabetic or type 2 diabetic conditions.

Effect of Esculetin on the development of type II diabetic nephropathy

Diabetic nephropathy is a result of several metabolic and hemodynamic processes. Individuals with chronic kidney disease are more likely to die of cardiovascular disease. Esculetin has antioxidant activity, an inhibitory effect on the growth of human breast cancer cells and a synergistic effect with retinoic acid on the differentiation of human leukaemia cells. Hence, in the proposed study natural product like esculetin, which has been recognized as inhibitors of lipoxygenase, cyclooxygenase enzymatic pathways and neutrophil-dependent superoxide anion generation will be used as a therapeutic intervention against type 2 diabetic nephropathy.

Design and characterization of enteric coated lipid nanoparticles for anti-HIV drug delivery

According to the latest statistics on global HIV and AIDS epidemic by UNAIDS, WHO and UNICEF, around 35.3 million people were living with HIV/AIDS around the globe in 2012. Nanotechnology based approaches offer some unique opportunities specifically for the targeting of antiretroviral drugs to HIV reservoir sites. Following oral administration, lipid nanoparticles can access to lymphatic transport systems through Peyer's patches or by stimulating chylomicron production and transport via triglyceride rich lipoproteins. The present project therefore deals with the design of enteric coated lipid nanoparticles to enable high concentration of anti-HIV drug at lymphoid tissues following oral administration. Lipids are prone to hydrolysis by the acidic lipase in the stomach which could result in the release of free drug in the gastrointestinal track. Enteric coating could protect the lipid nanoparticle from degradation by acid lipase and prevent the release of free drug before absorption of nanoparticles in the intestine.

Nano-carriers for co-delivery of small molecules and oligonucleotides.

Targeting the molecular pathways using oligonucleotides such as siRNA and miRNA is gaining interest. Further, their combination with the known therapeutic molecules improved the clinical outcome particularly in cancer therapy. However, simultaneous delivery of oligonucleotides and small molecules faces a lot of challenges owing to their different physico-chemical properties. Amphiphilic copolymers with hydrophobic segments and cationic pendant groups may improve the delivery of these agents. They could also improve the in-vivo stability and non-specific bio-distribution of the loaded therapeutic agents. Also, the hydrophobic domains in copolymers help in solubilization of hydrophobic molecules enabling their simultaneous delivery. Thus the current project aims to develop and evaluate cationic copolymers for delivery of hydrophobic anticancer agents and oligonucleotides. The project will provide amphiphilic copolymers which could form polyplexes with oligonucleotides and load hydrophobic drug molecules.

Bioanalytical Method Development and Validation of Racemic Drugs by Dried Blood Spot Technique and Its Application to Pharmacokinetic Studies

Many drugs contain chiral centers and their enantiomers may have considerably different dissolution profiles, potency, pharmacological activity and pharmacokinetics. There is an increase in the demand of chiral separation methods in industries as racemates are being replaced by single enantiomeric forms. The method development for enantiomeric separation is challenging and time consuming. Chiral separation and analysis enhances the clarity of the pharmacological and toxicological data obtained and can also help in controlling the quality of synthesized drugs. The dried blood spots (DBS) sampling technique is gaining importance in preclinical, neonatal screening and clinical studies due to its many advantages.

Development and Evaluation of Lipo-polymeric Micelles For Drug Delivery.

The project aims at developing a new self-assembling, lipo-polymeric carrier for efficient delivery of hydrophobic drugs. The proposed lipopolymer contains polyethylene glycol and polycarbonate based hydrophobic core with cholesterol pendant groups and will form nano-micelles upon self-assembly. Successful delivery of model drug α -lipoic acid using this polymer would provide a platform delivery system for hydrophobic drugs.

Design and synthesis of novel anti malarial agents

The DBT (Indo-Canada) project includes the development of novel molecules against cysteine protease, aimed to overcome the limitations/challenges of existing anti-malarial pharmacotherapy, which could be a milestone for the treatment of malaria. The existing inhibitors were used as a template for making a pharmacophore model. Based on this model different series of novel compounds were designed, synthesized, characterized (^1H , ^{13}C NMR, mass, IR etc.) and screened. The preliminary structure activity relationships served as a solid starting point for structural modification of the hit compound in order to improve potency, selectivity and pharmacokinetic parameters for the generation of the lead.

Development of ecofriendly nonionic surfactants coupled ultrasonic extraction technology for conophylline- An antidiabetic lead molecule and its comparison with conventional extraction techniques

Extraction is the first and most important step in natural product drug discovery. Conventional methods have several disadvantages including environment issues, poor extraction efficiency etc. To overcome these problems an important strategy is developing environment friendly techniques using "Green Chemistry" approach. Recently, conophylline (an antidiabetic lead molecule) which acts via. regeneration of pancreatic β -cell has been patented for treatment of diabetes. The current project aims for developing nonionic surfactant coupled with ultrasonic assisted extraction (UAE) for efficient and ecofriendly extraction of conophylline.

(ii) Projects sanctioned during the year

S.No.	Project Title	Principal Investigator	Agency	Sanction Rs.in Lakh
1	Design and synthesis of novel anti malarial agents	Prof. R. Mahesh	Indo-Canadian DBT Project	21.00
2	Design and characterization of enteric coated	Dr. Anil Jindal	BITS Pilani	2.00

S.No.	Project Title	Principal Investigator	Agency	Sanction Rs.in Lakh
	lipid nanoparticles for anti-HIV drug delivery			
3	Nano-carriers for co-delivery of small molecules and oligonucleotides.	Dr. Deepak Chitkara	BITS Pilani	2.00
4	Bioanalytical Method Development and Validation of Racemic Drugs by Dried Blood Spot Technique and Its Application to Pharmacokinetic Studies	Dr. Sunil Kumar Dubey	BITS Pilani	2.00
5	Development and Evaluation of Lipo-polymeric Micelles For Drug Delivery.	Dr. Anupama Mittal	BITS Pilani	2.00

Bbrief write up of projects:

Design and synthesis of novel anti malarial agents

The DBT (Indo-Canada) project includes the development of novel molecules against cysteine protease, aimed to overcome the limitations/challenges of existing anti-malarial pharmacotherapy, which could be a milestone for the treatment of malaria. The existing inhibitors were used as a template for making a pharmacophore model. Based on this model different series of novel compounds were designed, synthesized, characterized (^1H , ^{13}C NMR, mass, IR etc.) and screened. The preliminary structure activity relationships served as a solid starting point for structural modification of the hit compound in order to improve potency, selectivity and pharmacokinetic parameters for the generation of the lead.

Design and characterization of enteric coated lipid nanoparticles for anti-HIV drug delivery

According to the latest statistics on global HIV and AIDS epidemic by UNAIDS, WHO and UNICEF, around 35.3 million people were living with HIV/AIDS around the globe in 2012. Nanotechnology based approaches offer some unique opportunities specifically for the targeting of antiretroviral drugs to HIV reservoir sites. Following oral administration, lipid nanoparticles can access to lymphatic transport systems through Peyer's patches or by stimulating chylomicron production and transport via triglyceride rich lipoproteins. The present project therefore deals with the design of enteric coated lipid nanoparticles to enable high concentration of anti-HIV drug at lymphoid tissues following oral administration. Lipids are prone to hydrolysis by the acidic lipase in the stomach which could result in the release of free drug in the gastrointestinal track. Enteric coating could protect the lipid nanoparticle from degradation by acid lipase and prevent the release of free drug before absorption of nanoparticles in the intestine.

Nano-carriers for co-delivery of small molecules and oligonucleotides.

Targeting the molecular pathways using oligonucleotides such as siRNA and miRNA is gaining interest. Further, their combination with the known therapeutic molecules improved the clinical outcome particularly in cancer therapy. However, simultaneous delivery of oligonucleotides and small molecules faces a lot of challenges owing to their different physico-chemical properties. Amphiphilic copolymers with hydrophobic segments and cationic pendant groups may improve the delivery of these agents. They could also improve the in-vivo stability and non-specific bio-distribution of the loaded therapeutic agents. Also, the hydrophobic domains in copolymers help in solubilization of hydrophobic molecules enabling their simultaneous delivery. Thus the current project aims to develop and evaluate cationic copolymers for delivery of hydrophobic anticancer agents and oligonucleotides. The project will provide amphiphilic copolymers which could form polyplexes with oligonucleotides and load hydrophobic drug molecules.

Bioanalytical Method Development and Validation of Racemic Drugs by Dried Blood Spot Technique and Its Application to Pharmacokinetic Studies

Many drugs contain chiral centers and their enantiomers may have considerably different dissolution profiles, potency, pharmacological activity and pharmacokinetics. There is an increase in the demand of chiral separation methods in industries as racemates are being replaced by single enantiomeric forms. The method development for enantiomeric separation is challenging and time consuming. Chiral separation and analysis enhances the clarity of the pharmacological and toxicological data obtained and can also help in controlling the quality of synthesized drugs. The dried blood spots (DBS) sampling technique is gaining importance in preclinical, neonatal screening and clinical studies due to its many advantages.

Development and Evaluation of Lipo-polymeric Micelles For Drug Delivery.

The project aims at developing a new self-assembling, lipo-polymeric carrier for efficient delivery of hydrophobic drugs. The proposed lipopolymer contains polyethylene glycol and polycarbonate based hydrophobic core with cholesterol pendant groups and will form nano-micelles upon self-assembly. Successful delivery of model drug α -lipoic acid using this polymer would provide a platform delivery system for hydrophobic drugs.

(iii) Projects completed this year

S.No.	Project Title	Principal Investigator	Agency	Sanction (Rs. In Lakh)
1	Design, synthesis and evaluation of novel beta secretase inhibitors for the treatment of Alzheimer's disease	Priti Jain	UGC	2.00
2	Design of Nasal Drug Delivery Systems for CNS Targetting	Prof. R.N. Saha	Torrent Research Centre, Ahmedabad	20.00

Brief Write Up of Projects:**Design, synthesis and evaluation of novel beta secretase inhibitors for the treatment of Alzheimer's disease.**

In the above study, novel beta secretase inhibitors were designed based upon the docking studies. These designed molecules were then synthesized and characterized by appropriate conventional and novel methods as well as by spectral analysis respectively. Finally, these synthesized molecules were screened for beta secretase inhibition as anti-alzheimer's agents.

Design of Nasal Drug Delivery Systems for CNS Targetting

Suitable analytical and bio-analytical methods have been developed for dopamine and one more drug coded as NDD009, both CNS active drugs. In situ and in vivo nasal absorption model has been developed in rat. Nasal absorption of has been studied and good absorption has been found. Further, formulations of both the drugs have been made stability study and for nasal absorption.

(iv) Financial Support Sanctioned to Department

S.No.	Scheme	Agency	Sanction (Rs. in Lakh)
1	Fund for Improvement of S&T Infrastructure in Higher Educational Institutes (FIST)	DST	135.00
2	Fellowships to Research Scholars under Basic Scientific Research Scheme (BSR)	UGC	102.00*
3	Fellowship to First Degree and Higher Degree Students of Department	Sir Ratan Tata Trust	14.00

* 5 fellowships have been awarded for 5 years with a support of Rs. 16000/- per month to every research scholar and contingency grant of Rs.12000/- per student per annum.

Brief Write Up:**DST FIST**

Department has been sanctioned Rs. 125 lakhs under DST FIST Phase II during last year. From this fund UPLC-MS/MS facility is created in a new industrial research laboratory at Department of Pharmacy. A highly advanced Waters Acquity UPLC /Triple Quadrupole (TQD) MS/MS has been purchased from Waters India Ltd and has been installed.

B. PUBLICATIONS

S.No.	Authors	Title	Journals	Vol.	Page
1	Mahesh R, Mundra S, Devadoss T, Kotra LP.	Design, synthesis and evaluation of 2-(4-(substituted benzoyl)-1,4-diazepan-1-yl)-N phenylacetamide derivatives as a new class of falcipain-2 inhibitors	Arabian Journal of Chemistry	Manuscript accepted	
2	Gupta D, Mahesh R, Kurhe Y.	Ondansetron, a 5HT-3 receptor antagonist reverses depression and anxiety-like behavior in streptozotocin-induced diabetic mice: Possible implication of serotonergic system	Eur J Pharmacol	744 (5)	59-66
3	Dhar AK, Mahesh R, Jindal A, Bhatt S.,	Piperazine analogues of naphthyridine-3-carboxamides and	Archiv Der Pharmazie	348 (1)	34-45

S.No.	Authors	Title	Journals	Vol.	Page
		indole-2-carboxamides: Novel 5-HT ₃ receptor antagonists with antidepressant like activity			
4	Dhar AK, Mahesh R, Jindal A, Devadoss T, Bhatt S.	Design, Synthesis, and Pharmacological Evaluation of Novel 2-(4-substituted piperazin-1-yl)-1, 8-Naphthyridine-3-Carboxylic Acids as 5-HT ₃ Receptor Antagonists for the Management of Depression	Chemical Biology & Drug Design	84(6)	721-731
5	Jindal A, Mahesh R, Bhatt S.	Etazolate, a Phosphodiesterase 4 enzyme inhibitor produces antidepressant-like effects by blocking the behavioral, biochemical, neurobiological deficits and histological abnormalities in hippocampus region caused by olfactory bulbectomy	Psychopharmacology		1-15
6	Kurhe Y, Mahesh R, Gupta D, Devadoss T.	QCM-4, a serotonergic type 3 receptor modulator attenuates depression co-morbid with obesity in mice: An approach based on behavioral and biochemical investigations	Eur J Pharmacol	740	611-618
7	Kurhe Y, Mahesh R, Gupta D, Thangaraj D.	Effect of (4a) a novel 5-HT ₃ receptor antagonist on chronic unpredictable mild stress induced depressive-like behavior in mice: an approach using behavioral tests battery	J Basic Clin Physiol Pharmacol	;26(1)	25-33
8	Kurhe Y, Mahesh R, Gupta, D.	Ondansetron attenuates depression co-morbid with obesity in obese mice subjected to chronic unpredictable mild stress; an approach using behavioral battery tests	Metab Brain Dis	29(3),	701-710
9	Gupta D, Mahesh R, Kurhe Y, Thangaraj D, Prabhakar V, Kanade P.	Antidepressant-like effects of 6z, a novel 5HT ₃ receptor antagonist in acute and chronic mouse models of depression	Acta Pharmacologica Sinica	35(12)	1493-503
10	Kurhe Y, Mahesh R, Gupta D.	Effect of a Selective Cyclooxygenase Type 2 Inhibitor Celecoxib on Depression Associated with Obesity in Mice: An Approach Using Behavioral Tests	Neurochem Res	39	1395-1402
11	Bhatt S, Mahesh R, Jindal A, Devadoss T.	Protective effects of a novel 5-HT ₃ receptor antagonist, N-n-butyl-3-methoxy quinoxaline-2-carboxamide (6o) against chronic unpredictable mild stress-induced behavioral changes and biochemical alterations	Pharmacology Biochemistry Behaviour	122	234-239
12	Bhatt S, Mahesh R, Jindal A, Devadoss T.	Neuropharmacological Effect of Novel 5-HT ₃ Receptor Antagonist, N-n-propyl-3-ethoxyquinoxaline-2-carboxamide (6n) on Chronic Unpredictable Mild Stress-Induced Molecular and Cellular Response: Behavioural and Biochemical Evidences	Pharmacological Reports	66	804-810
13	Gupta D, Radhakrishnan M, Thangaraj D, Kurhe Y.	Antidepressant and anti-anxiety like effects of 4i (3-Chloro-2-methylphenyl) quinoxalin-2-carboxamide, a novel 5-HT receptor antagonist in acute and chronic neurobehavioral rodent models	European Journal of Pharmacology	735	59-67
14	Gupta D, Radhakrishnan M,	Insulin reverses anxiety-like behavior evoked by streptozotocin-induced	Metabolic Brain Disease	29(3)	737-46

S.No.	Authors	Title	Journals	Vol.	Page
	Kurhe Y.	diabetes in mice			
15	Gupta D, Kurhe Y, Radhakrishnan M.	Antidepressant effects of insulin in streptozotocin induced diabetic mice: Modulation of brain serotonin system.	Physiology & behavior	129	73-78
16	Mahesh R, Dhar AK, Jindal A, Bhatt S.	Design, synthesis and evaluation of anti depressant activity of novel 2-methoxy 1, 8 naphthyridine 3-carboxamides as 5-HT ₃ receptor antagonists.	Chemical Biology & Drug Design	83(5)	583-591
17	Kurhe Y, Mahesh R, Devadoss T, Gupta D.	Antidepressant-like effect of a novel 5-HT ₃ receptor antagonist N-(benzo [d] thiazol-2-yl)-3-ethoxyquinoxalin-2-carboxamide 6k using rodents behavioral battery tests	Journal of Pharmacology & Pharmacotherapeutics	5	197-202
18	Kurhe YV, Radhakrishnan M, Thangaraj D, Gupta D.	Anti-anxiety effect of a novel 5-HT ₃ receptor antagonist N-(benzo[d]thiazol-2-yl)-3-ethoxyquinoxalin-2-carboxamide (6k) using battery tests for anxiety in mice	Indian Journal of Pharmacology	46	100-104
19	Bhatt S, Mahesh R, Jindal A, Devadoss T, Dhar AK.	Neuropharmacological evaluation of a novel 5-HT ₃ receptor antagonist (6g) on chronic unpredictable mild stress-induced changes in behavioural and brain oxidative stress parameters in mice	Indian Journal of Pharmacology	46	191-196
20	Singh M Jadhav RH	Melatonin functions and ligands	Drug Discovery Today	19-9	1410-1418
21	Kharb V, Saharan VA, Dev K, Jadhav H, Purohit S	A proposed methodology for in vitro evaluation of bitterness in drug solutions and in vitro drug release samples.	Journal of Pharmaceutical Innovations		
22	Kharb V, Saharan VA, Dev K, Jadhav H, Purohit S	Formulation, evaluation and 3(2) full factorial design-based optimization of ondansetron hydrochloride incorporated taste masked microspheres.	Pharmaceutical Development and Technology	19 (7)	839-52
23	Chander S, Ashok Penta, Murugesan S	Subhash Chander, Ashok Penta, Sankaranarayanan Murugesan. Structure based virtual screening and docking studies for the identification of novel inhibitors against wild and drug resistance strains of HIV-1 RT	Medicinal Chemistry Research	DOI 10.1007/s00044-014-1251-2.	
24	Penta A, Chander S, Lathiya H, Sharma H, Goyal K, Murugesan S	De-novo design and <i>in-silico</i> studies of novel bis-arylpiperazine derivatives as non-nucleoside inhibitors of HIV-1 reverse transcriptase	Journal of Pharmaceutical Chemistry	1(2)	22-27
25	Ashok P, Ganguly S. and Murugesan S	Manzamine alkaloids: isolation, cytotoxicity, antimalarial activity and SAR studies	Drug Discovery Today	19(11)	1781-1791
26	Penta A, Chander S, Ganguly S., Murugesan S.	De novo design and in-silico studies of novel 1-phenyl-2,3,4,9-tetrahydro-1H-pyrido[3,4-b]indole-3-carboxylic acid derivatives as HIV-1 reverse transcriptase inhibitors	Medicinal Chemistry Research	23	3662-3670
27	Penta A, Sharma H., Lathiya H, Chander S, Murugesan S	In-silico design and study of novel Piperazinyl β -carbolines as inhibitor of HIV-1 reverse transcriptase	Medicinal Chemistry Research	DOI 10.1007/s00044-014-1141-7	
28	Chander S, Penta A and Murugesan S	<i>In-silico</i> design and docking study of novel Tetrahydroquinoline derivatives as inhibitor of WT and	Journal of Pharmacy Research	8(4)	552-562

S.No.	Authors	Title	Journals	Vol.	Page
		mutant HIV-1 Reverse Transcriptase			
29	Penta Ashok, Hiren Lathiya, Sankaranarayanan Murugesan	Manzamine alkaloids as antileishmanial agents - A review	European Journal Medicinal Chemistry, 2014.	DOI.org/10.1016/j.ejmech.2014.07.006	
30	Kadacol AM, Goru SK, Pandey A and Gaikwad AB	Reno Protective Activity of Esculetin in Insulin Resistant and Type 2 Diabetic Rats	Journal of the American Society of Nephrology Supplement	25	962A-PUB 291
31	Sharma S and Taliyan R	Synergistic effects of GSK-3 β and HDAC inhibitors in Intracerebroventricular Streptozotocin induced cognitive deficits in rats	Naunyn-Schimedberg Archives of Pharmacology	DOI: 10.1007/s00210-014-1081-2	
32	Sharma S and Taliyan R	Neuroprotective role of Indirubin-3'-monoxime, a GSK- β inhibitor in high fat diet induced cognitive impairment in mice..	Biochem Biophys Res Communic	452(4)	1009-15.
33	Sharma S, Taliyan R, Ramagiri S	Histone deacetylase inhibitor, Trichostatin A, improves learning and memory in high fat diet-induced cognitive deficits in mice	J Mol Neurosci	DOI:10.1007/s12031-014-0461-	
34	Singh A, Taliyan R Sharma PL	Protective effect and mechanism of <i>inkgo biloba</i> extract-EGb 761 on STZ-induced diabetic cardiomyopathy in rats	Pharmacog.Mag	10 (38)	172-178
35	Dubey S.K , Anand A, Saboo S, Saha R.N.	New, Sensitive And Validated HPLC Method For Simultaneous Estimation Of Venlafaxine And O-Desmethylvenlafaxine Using Fluorescence Detector	Journal of Analytical Chemistry	14(6)	233-240
36	Dubey S. K., Anand A., Saha R. N.	Enantioselective Tissue Distribution of Ketorolac and its Enantiomers in Rats	<i>Arzneimittelforschung (Drug Research)</i>	In press	
37	Priti Jain P., L. Naga Rajiv, Jadhav H.R.	Synthesis and Anti-Bacterial Activity Profile of Cyclized Diazonium Compounds	Research & Reviews: A Journal of Drug Design & Discovery	1(1)	4-12
38	Sridhar SNC, Kumari S, Paul AT.	Diabetic Complications: A Natural Product Perspective.	<i>Pharmaceutical Crops</i>	5, (Suppl 1: M4)	39-60
39	Singh M, Kaur N, Paul AT	Physicochemical Standardisation, HPTLC profiling and Biological Evaluation of <i>Asvagandhadyarista</i> : A comparative study of three famous commercial brands.	<i>Ancient Science of Life</i>	33(3)	165-171
40	Singhvi, G., Shah, A., Yadav, N., Saha, R.N.	Study the effect of formulation variables on drug release from hydrophilic matrix tablets of milnacipran and prediction of in-vivo plasma profile	Pharm. Dev. Technol.,	19	708-716
41	Singhvi, G., Shah, A., Nalla, S.R., Saha, R.N.	Comparative pharmacokinetic evaluation of controlled release matrix tablets of milnacipran Hydrochloride in rabbit.	Drug delivery letters	4	21-25
42	Singhvi, G., Parmar, N., Patel, N., Saha, R.N	Novel multi-granules controlled release tablets of milnacipran: design with simplex lattice technique, in-vitro characterization and pharmacokinetic predictions.	Journal of Young Pharmacist	6	24-31
43	Sunil K.Dubey, Amit Anand, SugandhaSaboo,	New, Sensitive And Validated HPLC Method For Simultaneous Estimation Of Venlafaxine And O-Desmethylvenlafaxine Using	Journal of Analytical Chemistry an Indian Journal	Volume 14 Issue 6	233-240

S.No.	Authors	Title	Journals	Vol.	Page
	Ranendra N. Saha	Fluorescence Detector			
44	Singhvi, G., Shah, A., Yadav, N., Saha, R.N	Prediction of in vivo plasma concentration–time profile from in vitro release data of designed formulations of milnacipran using numerical convolution method.	Drug Dev. Ind. Pharm	In Press	
45	S. K. Dubey, A. Anand, R. N. Saha	Enantioselective Tissue Distribution of Ketorolac and its Enantiomers in Rats	Arzneimittelforschung (Drug Research)	In Press	
46	Raut P. P., Charde Y. S.	Simultaneous estimation of Levodopa and Carbidopa by RP-HPLC using a fluorescence detector: its application to a pharmaceutical dosage form.	Luminescence: The Journal of Biological and Chemical luminescence	In Press	
47	Jaipal, A., Pandey, M.M., Charde, S.Y., Raut, P.P., Prasanth, K.V., Prasad, R.G.,	Effect of HPMC and Mannitol on Drug Release and Bioadhesion Behavior on Buccal Discs of Buspirone Hydrochloride: In-vitro and In-vivo Pharmacokinetic Studies,	Saudi Pharmaceutical Journal	In Press	

C. CONFERENCES ATTENDED/PAPERS PRESENTED:

S.No.	Authors	Title	Name of Conference	Place	Date
1.	Gupta D, Mahesh R, Kurhe Y, Thangaraj D.	Antidepressant-like effects of EQC-34, a novel 5HT-3 receptor antagonist in neurobehavioral mouse model of depression	International Conference on Pharmacy and Pharmacology (ICPP)-2014	London, UK	26-27 September
2	Kurhe Y, Mahesh R, Gupta D, Thangaraj D.	Antidepressive-Like Effect Of A Novel 5-HT3 Receptor Antagonist (4a) Against Depression Co-Morbid With Obesity In Mice Subjected To Chronic Stress	Fens Forum of Neuroscience	Milan, Italy	5-9 July
3	Mundra S, Mahesh R.	Design, Synthesis and careening of falcipain-2 inhibitors as novel anti-malarial agents	2nd Nirma Institute of Pharmacy International Conference, NIPICON	Ahmedabad, India	January 23 – 25
4	Vadiraj D Kurdekar and Hemant R. Jadhav	Hit identification using molecular modelling approach: Case study of reversible PAD4 inhibitor	Overcoming the Bottlenecks in Drug Discovery and Development	Gurgaon	20 - 21 March 2014
5	Ashok Penta, Subhash Chander and Sankaranarayanan Murugesan	An <i>In-silico</i> virtual screening approach to identify HIV-1 non-nucleoside reverse transcriptase inhibitors	Indo-US conference on Molecular Modeling and Informatics in Drug Design organized by NIPER	S.A.S Nagar, Mohali, Punjab	November 03 - 06
6	Subhash Chander, Ashok Penta and Sankaranarayanan Murugesan	<i>In-silico</i> virtual screening and docking studies for the identification of novel inhibitors of HIV-1 Reverse Transcriptase	Indo-US conference on Molecular Modeling and Informatics in Drug Design organized by NIPER	S.A.S Nagar, Mohali, Punjab	November 03 - 06
7	S N C Sridhar, S Murugesan, Atish T. Paul	Computational approaches for exploring the natural product based Pancreatic Lipase inhibitors	Natural Products and Drug Discovery - Future Perspectives organized by Vienna University of Technology	Vienna, Austria	November 13 - 14
8	Taliyan R	Possible involvement of	Alternatives to Animal	Sir Madanlal	17 Feb-2014

S.No.	Authors	Title	Name of Conference	Place	Date
		GSK-3 β and mPTP in attenuation of the cardioprotective effect of remote ischemic preconditioning in diabetic rat heart	Experimentation in Drug Discovery	Institute of Pharmacy-Etawah, U.P,	
9	Taliyan R	Possible mechanisms and prospects of ischemic tolerance against cerebral ischemia: from experimental strategies to clinical use	New Horizons in Pharmacy and Pharmacology" (Indian Pharmacological society -North -Zone)	GLA University, Mathura, (U.P.),	15-16 th Feb-2014
10	Taliyan R, Sharma, S, Singh S	Lithium chloride, a GSK-3 β inhibitor, restores the cardioprotective effect of ischemic postconditioning in isolated diabetic rats heart	Recent Pharmacological Trends for shaping future of drug discovery and development". (IPS-North Zone)	Maharishi Markandeshwar University, Ambala-Haryana	16-18 Oct-2014
11	Taliyan R	Neuroprotective Effects of HDAC Inhibitor, Trichostatin A, In Intracerebroventricular Streptozotocin Induced Cognitive Deficits In Rats	British Pharmacological Society-Pharmacology-2014	Londan, U.K	16-18 Dec-2014
12	Mishra KM, Sushma Kumari, Paul AT.	Phytopharmaceutical and biological investigations of Vyaghri Haritaki . Herbal Drug Research	Herbal Drug Research: Opportunities and Challenges	B. V. Patel Pharmaceutical Education & Research Development Centre, Ahmedabad, Gujarat	5-7 th November-2014
13	Deepak Chitkara and Neeraj Kumar	Core-shell nanoparticles for delivery of hydrophilic drugs	International Conference on Polymeric Biomaterials, Bioengineering and Biodiagnostics	New Delhi	October 27-30 2014
14	Anupama Mittal and Neeraj Kumar	Gentamicin containing PLGA-gelatin based biomimetic graft for infection-free wound healing	International Conference on Polymeric Biomaterials, Bioengineering and Biodiagnostics	New Delhi	October 27-30 '14
15	Raut, P.P., Charde, S.Y.,	Design of Modified Release Multi-particulate Floating Drug Delivery System for Levodopa and Carbidopa Combination Based on a Multilayer Structure	2014 AAPS Annual Meeting and Exposition, 2014	San Diego, CA	2014

D. BOOKS PUBLISHED/EDITED DURING THE YEAR

S.No.	Authors	Title	Publisher
1	R N Saha, Garima Balwani, Vibhu	Transmucosal Drug Delivery: Role of Nanoparticulate Systems, Book Chapter in Nanopharmaceuticals (Volume 6) of Multivolume set on Nanobiomedicine	Studium Press LLC, USA

E. CONFERENCES, SEMINARS & WORKSHOPS CONDUCTED

None

F. INVITED TALKS GIVEN BY BITS FACULTY

1. Prof. R N Saha delivered a talk on Enhanced And Targeted Delivery Through Modified Distribution And Pharmacokinetic Characters For Enhanced Therapeutic Efficacy in 2nd Pharm. Tech. IAPST International Conference 2014 "New Insights into Diseases and Recent Therapeutic Approaches" at Jadavpur University, on 17-18th January 2014.
2. Prof. R N Saha delivered a talk on Science Study: Great Opportunity for success in life and to be an Achiever in DST Sponsored INSPIRE Workshop for school children at Sangrur, Punjab.
3. Dr. Atish T Paul delivered a talk on Recent developments in herbal drug analysis at Herbal Drug Research: Opportunities and Challenges organised by B. V. Patel Pharmaceutical Education & Research Development (PERD) Centre, Ahmedabad, Gujarat on 5-7th November-2014
4. Dr. Sunil Kumar Dubey delivered a talk on Enantioselective Pharmacokinetics of Racemic Drugs: A Regulatory Perspective at Quality Improvement Programme organised by Department of Pharmacy, BIT Mesra, Ranchi on November 07 - 20, 2014
5. Dr. Sunil Kumar Dubey delivered a talk on IPR in Pharmaceuticals at Quality Improvement Programme organised by Department of Pharmacy, BIT Mesra, Ranchi November 07 - 20, 2014
6. Dr. Rajeev Taliyan delivered a talk on Is pharmacy a profession or a trade? Regional Science Congress-2014, Navodaya Vidyalaya Samiti, Kajra, Rajasthan, Nov-13, 2014

G. INVITED TALKS ARRANGED IN THE DEPARTMENT

1. Dr. Pavan Muttil, Asst Prof. at University of New Mexico, USA
2. Dr. Joga Rao Gobburu (US FDA Outstanding Achievement Award), School of Pharmacy, University of Maryland, Baltimore,
3. Dr. Sunil Jambhekar, Professor, Pharmaceutical Sciences, LECOM Bradenton School of Pharmacy, USA
4. Dr. Pradman K. Qasba, Volunteer Scientist, Structural Glycobiology Section, NCI, NIH, USA.

H. AWARDS AND RECOGNITIONS WON BY FACULTY AND STUDENTS

1. Prof. R N Saha received "Pharmacy Professional of the Year 2013" Award given by Indian Association of Pharmaceutical Scientists and Technologists. Award, given in January 2014, consists of Gold Medal, Citation, Memento
2. Prof. R Mahesh received Best Published Paper Award (Assoc. of Pharm. Teachers of India Conf. 2014) Prof. Duggirala Visweswaram & Prof. Sreemantalu Satyanarayana Award (Best published paper during the year-2013 in Ind. J. Pharm. Edu. and Res. - Pharmacology)
3. Dr. Murugesan appointed as examiner for Ph. D thesis evaluation by The T. N. Dr. M. G. R Medical University, Chennai, TamilNadu, India.
4. Dr. Murugesan Appointed as examiner for Ph. D thesis evaluation by Karpagam University, Coimbatore, TamilNadu, India.
5. Dr. Murugesan appointed as examiner for Ph. D thesis evaluation by SRM University, Chennai, TamilNadu, India.
6. Dr. Murugesan appointed as nominee member of court of Chaudhary Ranbir Singh University, Jind
7. Mr. Saurabh Mundra awarded for Best Poster (IInd Prize) in NIPICON International Conference, 2014
8. Mr. S N C Sridhar selected as a participant in Novartis India BioCamp 2014
9. Mr. S N C Sridhar received the travel grant from DBT for attending International Symposium in the 4th Expert Committee on Promotion and Popularization of Biotechnology (ECPPB) held on 10th October, 2014, Austria.
10. Mr. Prashant Raut received Travel grant from DST to attend 2014 AAPS Annual Meeting and Exposition, San Diego, CA, 2014.

I. SIGNIFICANT NEW EQUIPMENTS/EXPERIMENTAL FACILITY ADDED DURING THE YEAR:

No

J. DEPARTMENTAL ASSOCIATION

Pharmacy

In the year 2014, the Department of Pharmacy, its students and faculty members, continued their untiring efforts for further betterment and had several achievements and activities during the year. Research activities of Department increased further in terms of sponsored projects, departmental projects, number of publications and conference presentations and number of doctoral students. During the year faculty members of Department received grants worth Rs. 29.0 lakh from various government funding agencies. This resulted in Department being supported by various funding agencies under Departmental schemes. The total value of Departmental grants received for ongoing projects is more than Rs. 171.25 lakhs. The total value of projects and grants that are ongoing is more than Rs. 4.3 crore.

APOGEE 2014 saw extensive participation by B. Pharmacy students along with M. Pharmacy students, who demonstrated their innovative ideas in various fields of engineering and pharmacy. The projects covered topics beyond Pharmacy and health sciences too- including fields like *Design appliances, Energy and Environment, Communication and Network systems, Automation with fabricated working models*. The ideas were best displayed with several animated presentations and charts useful for easy understanding of the theoretical concepts.

This APOGEE, 17 project ideas had been submitted out of which 12 projects were selected for Round 2 of pitching. 7 of these were selected for final presentation during APOGEE. These projects were presented with working models which directly benefitted the students to explore various other fields where pharmacy can be applied. In addition to projects, they also submitted 4 papers in the field of Pharmacy. The department was glad that it had bagged two prizes among the papers submitted.

During APOGEE 2014, BITS Pharmaceutical Society had organized the following events:

- 1) **Doper's quiz:** An online quiz event open for all students. Around 400 students participated. This event comprised of questions and pic-connect puzzles related to Pharmacy as well as some general questions.
- 2) **ESPOIR:** A Health Business plan competition open for all (in teams of 2) and 30 teams participated out of which 8 teams were selected for final.
- 3) **Exhibition of Non Newtonian Fluid:** Collaborating with the Creative Activities Club, the students of Department of Pharmacy made and displayed a pool of non-Newtonian fluid, during APOGEE, which was a major attraction.

The experiences acquainted by the Pharmacy department Faculty Members and research scholars by visiting various conferences and workshops were shared with the staff and students of the department. The Pharmaceutical Society organized freshers welcome function for new students and farewell dinner twice during the year (in both semesters) for the graduating students.

During the year Sir Ratan Tata Trust, Mumbai, New Delhi recognized the achievements of Department by sanctioning fellowships to students of Department. Sir Ratan Tata Trust, Mumbai gave scholarship to 14 meritorious students.

B1.10.13 Department: Physics

Number of faculty members (as on 31 December 2014)

Senior Professors, Professors	02
Associate Professors	05
Assistant Professors	15
Lecturers	00
Visiting Faculty	00

HOD: Dr. D. D. Pant**Contact details:** ddpant@pilani.bits-pilani.ac.in, 01596-515288**Number of PhD Scholars:** 25 (including part-time students)**Thesis Submitted:** 0**RESEARCH ACHIEVEMENTS**

Projects: (ongoing projects, sanctioned/completed this year): 15

S.No.	P.I.	Amount	Sponsoring Agency	Title
1	Dr. D. D. Pant	Rs. 53.01 lacs	DST Major Project	Time-resolved Spectroscopy of Fluorescent Molecules in Micellar Systems.
2	Dr. D. D. Pant	Rs. 11.63 lacs	UGC Major Project	Steady state measurements of Fluorescent molecules in restricted environments
3	Dr. Raj Kumar Gupta (Co-PI) PI: Prof Rajiv Gupta	Rs 9.32 lacs (Total Project fund: Rs 91 lacs)	Waste Water Energy Programme of BITS Pilani	Detection of contaminants in water using functional ultrathin films (Sub Project of Rain Water Harvesting Prof Rajiv Gupta)
4	Dr. Madhukar Mishra	Rs. 11.40 lacs	DST Major	Investigations on QuarkGluon Plasma through quarkonia suppression in QCD matter.
5	Dr. Niladri Sarkar	Rs. 6.8 lacs	Indian National Science Academy, New-Delhi	Study of Indus Valley Scripts Through Linguistic and Markov Chain Methods
6	Dr. Rakesh Choubisa (Coordinator: Dr. D. Sebillieu, CNRS (France))	€ 25,200	Marie Curie International Research Staff Exchange Scheme (IRSES) of the European Commission (EC) (7 th Framework Programme (FP-7))	A multiple-scattering computing platform for nanomaterials
7	Dr. S. Sindhu (Co-PI: Manjuladevi. V)	Rs. 24.35 lacs	DST major	Design and characterization of electrochromic rear view mirrors using conducting polymers
8	Dr. Tapomoy Guha Sarkar	Rs 10.38 lacs	DST fast track	The study of post-reionization HI distribution using the redshifted 21-cm signal and Ly-alpha forest towards understanding cosmic acceleration
9	Dr. Amol Holkundkar	Rs. 15 lacs	DST Fast Track (ongoing)	Study of laser interaction with atomic clusters and preformed plasmas
10	Dr. Subhashis Gangopadhyay	Rs. 2 lacs	BITS Research Initiation Grant (ongoing)	Growth and Characterization of Substrate Supported Transition Metal Nanostructures Useful for Catalytic, Electronic and Sensor

S.No.	P.I.	Amount	Sponsoring Agency	Title
				Applications
11	Dr. Subhashis Gangopadhyay	Rs. 6 lacs	UGC Start up Grant (approved)	Transition Metal Induced Epitaxial Growth and Characterizations of Single layer <i>Graphene</i> : a High-Tech Material for Next Generation.
12	Dr S Sindhu	Rs. 14.10 lacs	CSIR	Preparation and Characterization Thin films of electrochromic polymer and fabrication of smart pixel display
13	Dr. C.B. Das	Rs. 14.34 lacs	DST major	Study of structure and decay of super heavy nuclei
14	Dr. Niladri Sarkar	R. 5.2 lacs	BITS-PILANI- SEED GRANT SCHEME	Electromagnetic Characterization of Three Dimensional Targets with Plasma Cladding for Stealth Technology Using Recursive Convolution Finite Difference Time Domain Method
15	Dr. Navin Singh	Rs. 18.64 lacs	DST Major	Thermodynamics studies on force induced unzipping DNA in crowded environment

In addition to these individual projects (the list in Part A of the annual report) the department has completed UGC-SAP (phase I st) in this year. Department is also supported by DST FIST scheme.

PUBLICATIONS- RESEARCH ARTICLES, BOOKS, CHAPTERS, CONFERENCE PROCEEDINGS)

Book Edited and Research Articles

The department has published 28 research papers in international refereed journals (the list in Part A of the annual report).

DEPARTMENTAL ACTIVITIES

(Conferences, seminars and workshops, invited talks, significant new equipment/ experimental facility):

Significant new equipment/experimental facility installed in the department

1. Department has procured fiber optics based spectrophotometer from Ocean Optics. The instrument is installed and experiments like (a) Determination of refractive index of liquids (b) Determination of optical pitch by Bragg reflection are designed as a part of advanced physics laboratory course. Department has spent approximately Rs. 4 lakhs from departmental CAPEX grant.
2. Department of Physics took an initiative to build a high performance cutting edge computing facility to fulfill the computational needs of the Department in the frontier areas of research like Condensed Matter Physics, Plasma Physics, Nuclear and Particle Physics, Cosmology and Astrophysics, Complex systems, Bio Physics, and Atomic and Molecular Physics. And also to enhance the quality of different teaching courses where the above-mentioned system can be an integrated part. This facility also can be used as a part of students project work and also for part of 1st degree thesis work. In view of this Department has added two more IBM servers each having 24 cores of processor, 64 GB of RAM and 3.6 TB of HDD to the existing computational facility of the department from the CAPEX grant of the Institute.

Invited Talks given by BITS faculty

1. Dr. R. Choubisa delivered a talk on "Electron impact coincidence (e, 3e) processes : Perspectives and Prospects" at the Institute of Physics, University of Rennes 1 (France) on 3 July, 2014.
2. Prof. Anshuman Dalvi delivered invited talk in Warsaw University of technology, Poland on "revisiting Li+ ion oxide glasses to improve thermal stability and electrical transport" July 2014
3. Prof. Anshuman Dalvi delivered invited talk "superionic conductors" in the Physics department MNIT, Jaipur on 27th November 2014.
4. Dr Niladri Sarkar delivered invited talk "Study of the Indus Valley Scripts through Linguistic and Markov Chain Methods", Annual meeting of the History of Science at INSA-New Delhi on 15th April 2014.
5. Dr Niladri Sarkar delivered invited talk "PIC-FDTD Code development for the study of Beam Wave Interaction in Vacuum/Plasma Filled Microwave Tube" in CEERI-Pilani on 19th May 2014.

6. Dr. S. Gangopadhyay delivered a talk on "Surfactant mediated growth of Ge nano-islands on silicon surfaces" at the Institute of Physics, University of Rennes 1, France on 3rd June 2014.
7. Dr. Raj Kumar Gupta delivered a talk on "Development of surface plasmon resonance instrument at BITS Pilani" at Delhi University on 8th May 2014.

Invited talks arranged in the department

1. Dr. Didier Sebilleau from Universite de Rennes delivered a series of talks on the Multiple Scattering formalism to the Physics Department. He has been to Pilani for one month during the Feb-March, 2014 as a Marie Curie Resecher in the European FP7-People-IRSES MsNano project. He worked with Dr. R. Choubisa during his stay.
2. Prof. Jens Falta from University of Bremen, Germany delivered a talk on "Surface Science - Gateway to New Semiconductors and Catalysts" to the Physics Department on 19th Feb. 2014. He was invited by Dr. S Gangopadhyay of the Department for collaborative research work and spend 19th-20th Feb. 2014 at Pilani.

Workshop organized in the department

1. "Workshop and Training on Current Research Trends in Condensed Matter-Material Science" organized during 7-8 March 2014 by physics department. The workshop was partially sponsored by UGC SAP. Dr RK Gupta and Prof RR Mishra acted as convener and Secretary of the workshop.
2. Department of Physics organized Research Scholar Day on 23rd March, 2014 to facilitate sharing of research activities among the PhD scholars and exploring newer areas of frontier research activities in diverse field of science. It was an in-house symposium wherein 18 PhD scholars from the Physics and Chemistry Departments presented oral talks. In addition to this, they also presented 13 posters during the symposium.

Conferences attended/papers presented

1. Dr. R. Choubisa presented a paper "Relativistic electron impact (e, (3-1)e) cross sections for atoms" in the International Conference on Many Particle Spectroscopy on Atoms, Molecules, Clusters and Surfaces held at Université de Lorraine, Metz (France) during 16-18 July, 2014.
2. Dr. S. Gangopadhyay presented a paper in the "3rd International Conference on Physics at Surfaces and Interfaces (PSI2014), held at Puri, Orissa (2014).
3. Dr. Tapomoy Guha Sarkar presented his work " The Post-reionization neutral IGM: A Cosmological probe" in the workshop Cosmology day organized by ICTS Bangalore, in April 2014.
4. Dr. Tapomoy Guha Sarkar presented his work " Cosmology using post reionization HI distribution " in the conference 'Aspects of Cosmology' organized by Indian Institute of Astronomy, Bangalore, in April 2014.
5. Dr. Kunal Bhattacharya presented a paper in the conference "StatPhys Kolkata 8" held SNBNCBS, Kolkata in December 2014.
6. Dr. Biswanath Layek presented his work "Probing Dynamics of Phase Transitions Occurring Inside a Pulsar" in "XXI DAE-BRNS High Energy Physics Symposium", held at IIT, Guwahati, 8 - 12 December, 2014.
7. Dr. Rishikesh Vaidya presented his work "Higgs to di-photon decay in SUSY without R-parity" in "XXI DAE-BRNS High Energy Physics Symposium", held at IIT, Guwahati, 8 - 12 December, 2014.
8. Dr. Kaushar Vaidya presented her work "Optical Spectroscopy of X-ray Sources in the Carina Nebula" at the workshop "Current Trends in Near-Infrared Astronomy in India", held at TIFR Balloon Facility, Hyderabad during November 25-27, 2014.
9. Mr. V.P. Devanarayanan presented his work "Interaction of graphene with self assembled monolayers, in International Conference on Soft Materials, MNIT Jaipur, 6-10 October, 2014, Received BEST POSTER AWARD.
10. Mr. Jitendra Kumar presented his work "Electro-Optic and dielectric studies on quantum dot doped nematic liquid crystal" in International Conference on Soft Materials, MNIT Jaipur, 6-10 October, 2014.
11. Ms. Monika Poonia and Ms. Akshata presented their work "Piezoelectric response due to contaminants in water" National Conference on Nano and Functional Material-2014, BITS Pilani, 7-8 Nov 2014.
12. Mr. C. Karthik presented his work "Application of disk shaped tricycloquinazoline molecule in fluorescence imaging" in National Conference on Nano and Functional Material-2014, BITS Pilani, 7-8 Nov 2014. (Received 3rd Prize in ORAL presentation category)
13. Ms. Keerti Choudhary presented her work "Thin film of TiO₂ nanoparticles at air-water and air-solid interfaces" in National Conference on Nano and Functional Material-2014, BITS Pilani, 7-8 Nov 2014.

14. "A multiple scattering approach to (e,2e) spectroscopy -- Recovery of EELS theory" by D. Sébilleau (CNRS Rennes), R. Choubisa (BITS Pilani) and J. Xu (USTC, Hefei) at MSNano workshop in Munich, 23 - 24 June, 2014. The talk was delivered by Dr. D. Sébilleau.
15. Mr. Amar Singh presented a paper *Pulling DNA: The effect of chain length on the mechanical stability of DNA chain*, in International Conference on Soft Materials, MNIT Jaipur, 6-10 October, 2014
16. Mr Surender Pratap presented a paper "Determinaton of channel electron Density of a Nano-MOSFET using Quantum and Semi-classical Methods", in "Condensed Matter Days- 2014" held at University of Calcutta from 27-29 August,2014
17. Mr Surender Pratap presented a paper "Application of the Self consistent Quantum an Semi-classical Schemes on Nano-Scale MOSFETS for Channel Density Determination" in "NFM-2014" held at BITS Pilani, Pilani Campus (Rajasthan), from 7-8 November,2014 organised by Department of Chemistry, BITS Pilani.
18. Dr. Madhukar Mishra presented his work "Bottomonium suppression at LHC energy based on temperature dependent formation time" in "XXI DAE-BRNS High Energy Physics Symposium", held at IIT, Guwahati, 8 - 12 December, 2014.
19. Tej Varma presented a poster on Interaction of 6-methoxyquinoline with ionic and neutral surfactants: A time-resolved fluorescence study at 17th international conference on luminescence and optical spectroscopy of condensed matter (ICL 2014) at University of Wroclaw 13-18 July, Wroclaw, Poland .

National and International Collaborations

Department has several collaborations with different national and internally reputed institutes. Some of the institutes are listed as follows. A short notes on the selective collaborative work with the research outputs are also described.

1. Bengal Engineering and Science University, Shibpur, Howrah, West Bengal, India.
2. RRI, Bangalore
3. CEERI, Pilani
4. Physical Research Laboratory, Ahmedabad.
5. University illinois at Urbana Champaign
6. Tata Institute of Fundamental Research
7. Aryabhata Research Institute of Observational Science, Nainital
8. Swiss Federal Institute of Technology Lausanne(EPFL), Switzerland
9. University of Bremen, Germany
10. University of Nottingham, UK
11. Bhabha Atomic Research Centre, Mumbai
12. Jain University, Bangalore
13. Missouri State university Springfield, USA
14. Universite de Rennes1 (France)
15. LNF, INFN, Frascati (Italy)
16. Institute of Physics, Academy of Sciences of the Czech Republik, Prague
17. Department of Physics, Banaras Hindu University, Varanasi
18. Institute of Physics, Bhubaneswar
19. National Central University, Taiwan
20. University of Illinois at Urbana-Champaign, USA
21. Warsaw University of Technology, Poland
22. Indian Institute of Technology, Roorkee

Conference proceedings

1. Formation of H-type liquid crystal dimer at air-water interface, C. Karthik, A. Gupta, A Joshi, V. Manjuladevi, RK Gupta, Mahesh Varia, DAE Symposium on Solid State Physics, AIP | Conference Proceedings, Vol 1591, pp 1036, 2014. doi:<http://dx.doi.org/10.1063/1.4872844>.

2. "Development of PIC-FDTD code for beam wave interaction study in Pasotron" , 20th ICOPS/Beams 2014 conference ,41st IEEE International Conference on Plasma Science and 20th International Conference on High-Power Particle Beams, May 25 – 29, 2014, Marriott Wardman Park, Washington DC, Nalini Pareek, Minhaz Ahmed,Udit Narayan Pal, Niraj Kumar and Ram Prakash, and Niladri Sarkar
3. "Application of the Self-Consistent Quantum Method for Simulating the Size Quantization Effect in the Channel of a Nano-Scale Dual Gate MOSFET", Surinder Pratap and Niladri **Sarkar**, (Accepted for 59th DAE SOLID STATE PHYSICS SYMPOSIUM to be held between 16-20 December 2014 in VIT-Vellore. The paper will be published in the AIP conference proceedings).
4. 'Dynamic fluorescence quenching of quinine sulfate dication by chloride ion in ionic and neutral micellar environments'. S Joshi, D. D. Pant, SOLID STATE PHYSICS: Proceedings of the 58th DAE Solid State Physics,1591(2014) 848-850.

DISCIPLINE ASSOCIATION WORK HIGHLIGHTS

1. Astronomy Club

Observing Runs with the new CCD :

During the last semester two hands-on sessions, and four observing runs of 4-6 hours were organized by Dr. Kaushar Vaidya to install and use the new CCD with the telescope. Students learned how to image nebulae using the CCD, starting from focusing the camera, to calculating exposure times to image objects, to stack images to improve signal-to-noise ratio, to create mosaics to observe a large field. Each observing run was attended by all members (25-30 students).

Discussions Sessions and Seminars by the Club:

The club members met once a week to discuss astronomy related topics. Some of the sessions were guided by Dr. Kaushar Vaidya. The club members also gave a seminar as well as organized one seminar in collaboration with the Embryo club as a part of space week celebrations.

2. Science Day Celebrations:

The Physics Association celebrated Science Day on 28th February, 2014, in collaboration with other Science associations. The "Inter school Science Quiz Competition" (a Science Quiz) were organized for the students of nearby schools, followed by a popular science lecture "From Cloning to Stem Cells: A Scientific Journey towards Advancement" by Dr. Rajdeep Chowdhury, Dept. of Biology, BITS-Pilani. The events of the Science Day were concluded with a short valedictory function.

3. In APOGEE 2014, Physics Society organized following events:

- a. Riddle-The-Pic: - An Online Quiz Event with 30 Picture charade questions based on keywords pertaining to Famous Physics Theories, Phenomena, Personalities and Concepts.
- b. Life of Phy: - A Quiz Event comprising of four round of questions related to the Physics of the Impossible and the Physics in Everyday Life. The event's theme was to emphasize that Physics is Fun and is Everywhere in the form which is counter-intuitive to our perception.

4. In 1st semester,2014-2015, following activities have been organized by society:

- a. Teacher's Day celebration
- b. Student-Teacher panel discussion – in this event, we invited students and teachers to put their views on the same platform so that the better communication should be setup between the latter which is crucial for academic and beyond academic scenarios.

AWARDS AND RECOGNITIONS WON BY FACULTY AND STUDENTS

Students who have opted for higher studies

1. Prof. Anshuman Dalvi received INSA fellowship for international bilateral exchange programme to visit Warsaw University of Technology, Poland. He spent 2 months of time there as a visiting scientist and visiting professor. He also taught 15 lectures to students of WUT.
2. Dr. Subhashis Gangopadhyay has been awarded for the "DAAD Fellowship for University Academics 2014" to visit University of Bremen, Germany for 2 months as a research scientist.

FACULTY DEVELOPMENT, INTERNATIONAL COLLABORATION & INDUSTRY IMMERSION

International Collaborations

- 1 Dr. D. D. Pant has initiated collaboration with Prof. Hubert H. Girault, Swiss Federal Institute of Technology (EPFL), Switzerland in the field of Spectroscopy at the Surfaces of nanoparticles and at liquid-liquid Interfaces.
- 2 Through International Network "European FP7-People-IRSES MsNano", Dr. Choubisa has been collaborating with many researchers from 8 institutes (2 from France, one each from Italy, Germany,

Czech Republic, Russia, Japan and China) since Sept., 2012. In this network, Dr. Didier Sebilliau from Universite de Rennes1 visited the Pilani campus for a month during Feb-March, 2014. Dr. Choubisa also visited 2 months to Universite de Rennes1 during May-July, 2014 to work with Dr. Sebilliau. There was further expansion in the network activity at Pilani group by inclusion of Dr. S. Gangopadhyay. Dr. Gangopadhyay visited to Universite de Rennes1 for one month during May-June, 2014.

- 3 Dr. Kunal Bhattacharya worked as INSA-NaSci-IASc Fellow at Centre for Ecological Sciences, IISc Bangalore and collaborated with Dr. Visweshha Guttal during May-July, 2014.
- 4 Prof. Anshuman Dalvi initiated collaboration with famous Nowinski-Garbarczyk's ionics group of WUT, Poland during his stay in Poland for 2 months in May-July 2014 duration under INSA fellowship.

CHAPTERS:

1. "Ultrathin Films", Raj Kumar Gupta & V. Manjuladevi in the book: *Comprehensive guide for nanocoatings technology Vol. 1: Deposition and Mechanism*, NOVA Publishers, USA., Editor: Z. A. Niknam (in press 2014)

Papers Published in refereed journals:

1. Ultrathin films of TiO₂ nanoparticles at interfaces, Keerti Choudhary, V. Manjuladevi, RK Gupta, Partha Bhattacharyya, Arnab Hazra, & S Kumar, *Langmuir* (in press), 2015. DOI:10.1021/la503514p
2. Ultrathin films of Single-Walled Carbon nanotubes: A potential methane gas sensor, Monika Poonia, V. Manjuladevi, R. K. Gupta, S. K. Gupta, J. Singh, P. B. Agarwal, & J. Akhtar, *Sci. Adv. Mater. (American Scientific Publishers)*, vol 7, pg 455-462, 2015.
3. Low Temperature Methanol Sensing by p- type Nano Titania: Correlation with Defects States and Schottky Barrier Model, A. Hazra, B. Bhowmik, K. Dutta, V. Manjuladevi, RK Gupta, P. Bhattacharya, DOI:10.1109/TNANO.2014.2376633, *IEEE Transaction on Nanotechnology*, Vol 14 (1), Pg 187-195, 2015.
4. Effect of octadecylamine functionalized SWCNTs on the elastic constants and electro-optic response of a liquid crystal, Jitendra Kumar, V. Manjuladevi, R.K Gupta, & S. Kumar, *Liquid Crystals*, (in press, 2014) DOI:10.1080/02678292.2014.988765.
5. Supramolecular assembly of single-walled carbon nanotubes at air-solid interface, Monika Poonia, RK Gupta, V. Manjuladevi, SK Gupta & J. Akhtar, *J. Nanoparticle Res. (Springer)*, Vol 16 (8), pg 2572, (2014).
6. Pattern formation in the Langmuir-Blodgett films of tricycloquinazoline based discotic liquid crystal molecules, C. Karthik, V. Manjuladevi, R. K. Gupta & S. Kumar, *Journal of Molecular Structure (Elsevier)*, Vol 1070, pg 52-57 (2014). DOI:10.1016/j.molstruc.2014.04.036
7. Studies on thin films of Hexa-alkoxy triphenylene(HAT5) and composite of HAT5-TiO₂ nanoparticles, C. Karthik, Keerti Choudhary, Aditya Joshi, Adbhut Gupta, V. Manjuladevi, and R. K. Gupta, Sandeep Kumar. *Advanced Science Letters (American Scientific Publishers)*, Vol 20, 1138-1142, 2014, DOI:10.1166/asl.2014.5485.
8. Structural and optical characterizations of electrochemically grown connected and free standing TiO₂ nanotube array, A. Hazra, K. Dutta, B. Bhowmik, V. Manjuladevi, R. K. Gupta, P. P. Chattopadhyay and P. Bhattacharyya. *J. Elect. Mater. (Springer)*, Vol 43 (9), pg 3229, (2014) DOI:10.1007/s11664-014-3183-5
9. Studies on adsorption of DNA on functional ultrathin films of cationic surfactant, Monika Poonia, Anagh Pathak, V. Manjuladevi, R. K. Gupta, *Ind. J. Mat. Sci. (Hindawi)*, Vol 2014, pg 502429, (2014).
10. Formation Mechanism of Anodically Grown Free-standing TiO₂ Nanotube Array under the Influence of Mixed Electrolytes, A. Hazra, B. Bhowmik, K. Dutta, V. Manjuladevi, R. K. Gupta, P. P. Chattopadhyay, and P. Bhattacharyya, *Sci. Adv. Mater. (American Scientific Publishers)*, Vol 6, pg 714-719 (2014).
11. Effect of nanosize micelles of ionic and neutral surfactants on the photophysics of protonated 6-methoxyquinoline: Time-resolved fluorescence study. Tej Varma Y, Sunita Joshi, and D. D. Pant, *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*, (2015) in press.
12. Estimation of ground and excited state dipole moments of synthesized coumarin derivative [N-(2-oxo-2H-chromen-4-yl)imino]triphenyl-phosphorane. Sunita Joshi, Santosh Kumari, Rituparna Bhattacharjee, Rajeev Sakhuja and D. D. Pant. *Journal of Molecular Liquids*, 200 (2014) 115-119.
13. Steady state and time-resolved fluorescence spectroscopy of quinine sulfate dication bound to sodium dodecylsulfate micelles: Fluorescent complex formation. Sunita Joshi and D. D. Pant, *Journal of Luminescence*, 145 (2014) 224-231.

14. On the relativistic electron impact K-shell ($e, (3-1)e$) differential cross sections for atoms by R Choubisa, J. Phys B (In press, 2015).
15. "Magnetic mirror cavities as terahertz radiation sources and a means of quantifying radiation friction", A. R. Holkundkar and C. Harvey, Phys. Plasmas, 21, 103102, (2014).
16. "Laser induced neutron production by the explosion of deuterium clusters", A. R. Holkundkar, G. Mishra, N. K. Gupta, Phys. Plasmas, 21, 13101. (2014).
17. "Parallel implementation of three-dimensional molecular dynamic simulation for laser-cluster interaction", A. R. Holkundkar, Phys. Plasmas, 20, 113110, (Dec 2013).
18. "Synthesis of ZnO/Au and ZnO/Ag nanoparticles and their photocatalytic application using UV and visible light", P. Fageria, S. Gangopadhyay and S. Pande, RSC Adv. 4, 24962 (2014).
19. "Surface oxidation of GaN(0001): Nitrogen plasma-assisted cleaning for ultrahigh vacuum applications", S. Gangopadhyay, Th. Schmidt, C. Kruse, S. Figge, D. Hommel, and J. Falta, J. Vac. Sci. Technol. A 32, 051401-1 (2014)
20. "Study on metal nano-particles synthesis and orientation of gemini surfactant molecules used as stabilizer" A. K. Tiwari, S. Gangopadhyay C-H. Chang, S. Pande and S. K. Saha, J. Colloid Interface Sci. in press (2015).
21. "Thermal properties of a particle confined to a parabolic quantum well in two-dimensional space with conical disclination" Tridev Mishra, Tapomoy Guha Sarkar, Jayendra Bandyopadhyay. Phys. Rev. E 89, 012103 (2014)
22. "The cross-correlation of redshifted 21-cm signal and Lyman- α forest: A cosmological probe" Tapomoy Guha Sarkar, Somnath Bharadwaj. J. Phys.Conf. Ser. 484, 012033 (2014)
23. Effect of salt concentration on the stability of heterogeneous DNA, Physica A: Statistical Mechanics & its Applications, 419, 328-334 (2015) (in press)
24. Collective foraging in heterogeneous landscapes. Kunal Bhattacharya and Tamas Vicsek, J. R. Soc. Interface 11, 20140674 (2014).
25. Cyclic and Coherent States in Flocks with Topological Distance. Biplab Bhattacharjee, Kunal Bhattacharya, Subhrangshu Sekhar Manna, Front. Physics 1, 35 (2014).
26. Social insect colony as a biological regulatory system: Information flow in dominance networks. Anjan K. Nandi, Annagiri Sumana, Kunal Bhattacharya, J. R. Soc. Interface 11, 20140951 (2014).
27. "Crystallization in $\text{Li}_2\text{SO}_4\text{-Li}_2\text{O-P}_2\text{O}_5$ glassy ionic system: An assessment through electrical transport" , Munesh Rathore and Anshuman Dalvi JOURNAL OF NON-CRYSTALLINE SOLIDS 402 (2014) 79–83.
28. "Effect of conditional glass former variation on electrical transport in $\text{Li}_2\text{O-P}_2\text{O}_5$ glassy and glassceramic ionic system" Munesh Rathore, Anshuman Solid State Ionics 263 (2014) 119-124.

B1.11 DIVISION / UNIT / CENTER-WISE ACTIVITY HIGHLIGHTS

Faculty Affairs Division (FAD)

Faculty Affairs Division (FAD) with its office in Pilani Campus is responsible for implementation of all Institutional policies related to faculty across all BITS campuses at Pilani, Goa, Hyderabad and also Dubai. The division deals with functions related to recruitment, promotions, retirement, extensions, appraisals, terms and benefits, of faculty. The activities of the Division for the year, in brief, is given below.

1. **Faculty Recruitment:** On campus faculty recruitment has been the prime activity of the Division so far. The second phase of faculty recruitment for off campus locations was completed during the year. In the recruitment process, screening of applicants and all recruitment related logistics are carried out by partnering with a HR outsourcing company, People Strong. Details of the offers made towards faculty positions, joining and acceptance details in the last year for on campus and off campus are given below.

ON-CAMPUS RECRUITMENT IN 2014 (cycle 5 and 6)

Position	Offered	Joined			Accepted			Declined			Cancelled			Yet to Join		
	University	Pilani	Goa	Hyderabad	Pilani	Goa	Hyderabad	Pilani	Goa	Hyderabad	Pilani	Goa	Hyderabad	Pilani	Goa	Hyderabad
Professor	1	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0
Associate Professor	2	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1
Assistant Professor	54	17	8	9	20	14	16	2	6	5	1	1	1	0	1	3
Lecturer	4	0	0	3	0	0	3	0	0	1	0	0	0	0	0	0
Visiting Faculty	4	1	0	3	1	0	3	0	0	0	0	0	0	0	0	0
Total	65	41			60			14			3			7		

OFF-CAMPUS RECRUITMENT 2014 (Cycle 2)

Position	Offered						Joined						Declined					
	Delhi	Pune	Chennai	Hyd	Bangalore	Mumbai	Delhi	Pune	Chennai	Hyd	Bangalore	Mumbai	Delhi	Pune	Chennai	Hyd	Bangalore	Mumbai
Professor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Associate Professor	0	2	1	1	4	0	0	0	1	1	1	0	0	1	0	0	0	0
Assistant Professor	1	0	1	0	6	0	0	0	1	0	3	0	0	0	0	0	1	0
Lecturer	1	1	1	2	4	0	1	0	1	1	3	0	0	1	0	0	0	0
Instructors	0	0	1	1	0	1	0	0	0	1	0	1	0	0	1	0	0	0
Total	28						15						4					

N.A. In the above Table, out of the 28 positions offered, one joined in December 2013, 15 joined in 2014, and 5 candidates are yet to join .

Recruitment process for Dubai Campus has also been chalked out and recruitment drive is under process. Discussions regarding revision of terms, conditions of employment, facilities and benefits are underway.

2. **Faculty Performance Appraisals:** Performance assessment (2012-13) of the entire faculty in different academic departments across all three campuses has been completed. Contributions in three key performance areas, namely:- (i) teaching, (ii) research, and (iii) institutional contribution are assessed. The assessments include self-appraisal, appraisal by the Head of the respective departments in consultation with the respective faculty, and/ or Divisional Dean, which is then followed by a Cross Campus committee assessment and then by University Level committee. On the basis of appraisals, it is proposed to give the feedback soon to the faculty and thus outputs of the appraisals shall provide the basis for promotions.

3. **Promotions:** The process is near completion.
4. **Change of superannuation age from 60 to 65:** Superannuation age was extended for 11 faculty members from 60 to 65.
5. **Chair professorship offered:** Though no new chair professorships offered in 2014, the terms were extended for (i) Prof. Suman Kapur (ii) Prof. R N Saha and (iii) Prof. D Sriram.
6. **Industry Immersion:** A new scheme to provide exposure of faculty to an industry with a view to provide them with an opportunity to gain first-hand exposure to processes undertaken by companies for design, manufacturing, marketing, logistics; gain an understanding of how theory learnt in classrooms is translated into practice on the job floor; gain an understanding of technical challenges that companies face in respect of improved design, scaling up their operations, impact on environment, manpower, etc. The following Faculty visited the industries as per details below:

S.No.	Faculty's Name	Department	Campus	Industry Visited	Duration of the Visit
1	Abhishek Thakur	CSIS	Hyderabad	IBM, Bangalore	19 th May to 14 th June 2014
2	Alivelu Manga Parimi	EEE	Goa	Siemens, Mumbai	16 th June to 15 th July 2014
3	Abhijit R Asati	EEE	Pilani	Cypruss, Bangalore	26 th May to 5 th July 2014
4	Prashant Pattnaik	EEE	Hyderabad	Siemens, Mumbai	16 th June to 15 th July 2014
5	Remica Aggarwal	MANAGEMENT	Pilani	GenPect, Bangalore	1st June to 18 th July 2014
6	Anubha Dadhich	MANAGEMENT	Pilani	NTPC, Noida	1 st to 30 th June 2014
7	Anasuya Ganguly	BIO.SCIENCES	Goa	Sankar Netralaya, Chennai	20 th May to 6 th June 2014
8	Dinesh Yadav	HSS	Pilani	Can and Able, Delhi	21 st May to 20 th July, 2014
9	K. S. Sangwan	ME	Pilani	SKF, Pune	23 rd June to 4 th July 2014
10	H. K. Mohanta	CHEMICAL	Pilani	CSIR-IMMT, Bhubaneswar	26 th May to 24 th June 2014
11	K. Balaji	CHEMICAL	Hyderabad	GE water, Bangalore	2 nd June to 18 th July 2014

7. **University Immersion:** Under the new scheme, BITS supports faculty members to spend a few weeks at a University abroad. During such exposure to universities abroad, it is expected that faculty members will (among others): (i) gain first-hand exposure to current/latest advances in research, etc., (ii) gain an understanding of lab resources required to initiate research or to use (or to program) equipment, (iii) gain an understanding on how classroom- or lab-based instruction is organized or imparted, AND/OR, (iv) gain an understanding of research methodology, cross-disciplinary collaboration, or collaboration across institutions, etc.

Few Faculties utilized this opportunity, as per details given below:

S. No.	Faculty's Name	Department	Campus	University Visited	Duration of the Visit
1	D. Chakrabarty	Bio. Sciences	Goa	NUS, Singapore	22nd May 2014 to 7th June, 2014
2	Dipendu Bhunia	Civil	Pilani	Trinity College, Dublin	15th May 2014 to 28th July 2014
3	Meenal Kowshik	Bio. Sciences	Goa	University of Missouri, USA	20th May 2014 to 15th July, 2014
4	N Rajesh	Chemistry	Hyderabad	University of South Dakota, USA	14th June, 2014 to 15th July, 2014
5	Navneet Gupta	Electrical & Electronics Engineering	Pilani	National Taiwan University of Sci and Tech, Taiwan	25th May 2014 to 18th July 2014
6	N N Sharma	Mechanical	Pilani	Ecole Polytech., Switzerland	25th May 2014 to 26th July 2014
7	Poonam Goel	CSIS	Pilani	Carlton University, Canada	8th June 2014 to 28th July, 2014
8	Prasanna Kumar N	Biological Sciences	Goa	Auburn University, USA	17th May, 2014 to 20th July, 2014
9	Yashwardhan Sharma	CSIS	Pilani	Oragon State University, USA	15th May 2014 to 15th July 2014

8. **FAD Website:** FAD website has been made fully operational and it provides apparent guidelines regarding operations, terms and conditions, facilities and benefits, joining formalities, policies and opportunities for faculty.
9. New policies on tuition fee for staff children's and spouse's education and medical facilities have been drafted and being implemented.
10. Discussions are near completion on restructuring the terms and conditions, eligibility and pay structures of all staff and faculty at Dubai campus. The process of this is near completion.
11. Apart from attracting and selecting, talented and competent people, the division is also intensely focused on retaining the talent. Several staff welfare measures, relook on compensation and benefits, policies related to career growth and related guidelines, health and family welfare, housing, rewards and recognitions are under discussion. In order to retain the competent and motivated faculty, division has initiated and successfully operationalized few policies and schemes:
 - (i) **Reimbursable Professional Allowance:** A policy on revised reimbursable Professional Allowance for the Faculty has been drafted and implemented wherein a faculty member is provided a maximum of 1 lakh rupees annually for professional development which could be carried forward to next year for its utilization in next year.
 - (ii) **OPERA Award:** An "OPERA Award" (Outstanding Potential for Excellence in Research and Academics) has been extended (during the selection process) to some of the faculty selected since May, 2013. Thereafter, nominations were considered for the existing faculty members who joined prior to May 2013 recruitment cycle, i.e AUG., 1, 2011 and March 31, 2013. In that context following existing employees were selected for the award.

S. No.	Name	PSRN	DEPARTMENT	CAMPUS
1.	Santosh Kumar Padhi	P3123	BIOSCIENCE	Pilani
2.	Indresh Kumar	P3125	CHEMISTRY	Pilani
3.	Shilpi Garg	P3139	BIOSCIENCE	Pilani
4.	Subrata Bandhu Ghosh	P3168	MECHANICAL	Pilani
5.	Banasri Roy	P3182	CHEMICAL	Pilani
6.	Palla Murali	P3194	MECHANICAL	Pilani
7.	SK Hafizul Islam	P3199	CSIS	Pilani
8.	Srinivas Kota	P3285	MECHANICAL	Pilani
9.	K Naga Mohan	H0322	BIOSCIENCE	Hyd
10.	Prasant Kumar Pattnaik	H0329	EEE	Hyd
11.	Sandip Shridharrao Deshmukh	H0344	MECHANICAL	Hyd
12.	Sathyamangalam Swaminathan	H0385	BIOSCIENCE	Hyd
13.	Ranjit S Patil	G0482	MECHANICAL	Goa
14.	Sriram Kailasam	ASTP	CSIS	Pilani/Hyd
15.	Sumit Kr. Chatterjee	ASTP	EEE/I	Hyd

12. As many of these activities fall in line with core human resource activities, it is also proposed to create a human resource centre / office in the near future, which is under discussion.

Practice School Division

University-Industry Linkages

An important aspect of education at BITS is its institutionalized linkages with the world of work. The Institute attaches great importance to the University-Industry Linkages and gives mutually reinforcing thrust to it through various avenues like Practice School (PS), Work Integrated Learning Programmes (WILP), Technology Innovation Centre (TIC) and off-campus Ph.D.

Practice School Programme

All integrated first degree and higher degree programmes of the Institute provide for a Practice School option. The past statistics show that almost all the students admitted, opt for this programme. During the calendar year 2014 the Practice School programme was operated at 477 stations, with 19 stations hosting both Practice School-I (PS-I) and Practice School-II (PS-II), accommodating 4305 students and 148 faculty members. Categorization of PS stations is given below:

S.No.	Categories of Organizations	No. of Organization in	
		PS-II & PS for Higher Degree	PS-I
1.	Banks and other Financial Institutions	24 (20)	3 (3)
2.	Design, Development, Consultancy and Software Organization.	176 (203)	30 (26)
3.	National Research Laboratories and other Research centers	33 (36)	26 (26)
4.	Production, Manufacturing and Public Work Units	73 (70)	107 (118)
5.	Publishing Houses, News Agencies and Museums	1 (2)	4 (5)
Total		307 (331)	170 (178)

In 2014, an integrated practice school allotment for 4305 students was carried out across Pilani, Goa and Hyderabad campuses. The statistical details of the centre-wise distribution of students and faculty at PS-I stations are given in 'Annexure A-7' followed by the details of the Operational Statistics of PS-II and PS for higher degree in Annexure 'A-8'. Growth statistics of PS-I, PS-II and PS for higher degree are given in Annexure 'A-9', while facilities available at various PS-II stations are given in Annexure 'A-10'.

Following is the break up of students who were registered in PS-I, PS-II & PS for Higher Degree:

PS-I	Summer Term 2013-2014	(2081)	2038
PS-II	II Semester 2013-2014	(931)	911
	I Semester 2014-2015	(1125)	1139
PS for Higher Degree	II Semester 2013-2014	(216)	217
	I Semester 2014-2015	(02)	00
Total		(4355)	4305

Note:- The figures shown in brackets relate to the year 2013.

PS-II Assignments: Institute's Contribution to Industrial Development

Apart from developing skills in professional judgment, data-handling, documentation, decision making ability, etc., in students, the PS-II assignments also relate to real-life problems of the host organizations. PS-II assignments listed in Annexure 'A-11' were completed by the final year students at their respective PS-II stations during the year 2014. These assignments directly

Contribute to the requirements of industrial R & D by fulfilling the ongoing production, modernization, design, development and research needs of the participating industries.

During the year under review 2038 students of Pilani (824), Goa (563) & Hyderabad (651) campuses accompanied by 93 faculty members attended Practice School-I and 2267 students attended Practice School-II. The entire Practice School-II operations were supervised by 55 faculty members residing at the respective locations. For the year 2014, 219 dual degree students have exercised their option of Practice School for both the degrees.

In appreciation of the contribution made by our students towards the professional well-being of the organizations, a stipend/out-of-pocket allowance is paid to them by the organizations. The amount of

stipend/out-of-pocket allowance has over the years increased, and today the maximum amount paid is Rs.50,000/- p.m. at Paypal, Chennai and EBay India Development Centre Bangalore. The average stipend is around Rs.17, 000/- p.m. per student. In addition, other facilities like accommodation, subsidized lunch, to & fro travel, etc. are also provided by some of the organizations. Students are paid TA & DA as per the rules of the organization. All overseas organizations pay for to & fro air travel and health insurance in addition to stipend.

During the year under review, the PS activities grew further with the introduction of 63 new PS-II stations (Table 1) and out of pocket allowance was increased at 10 PS-II stations (Table 2).

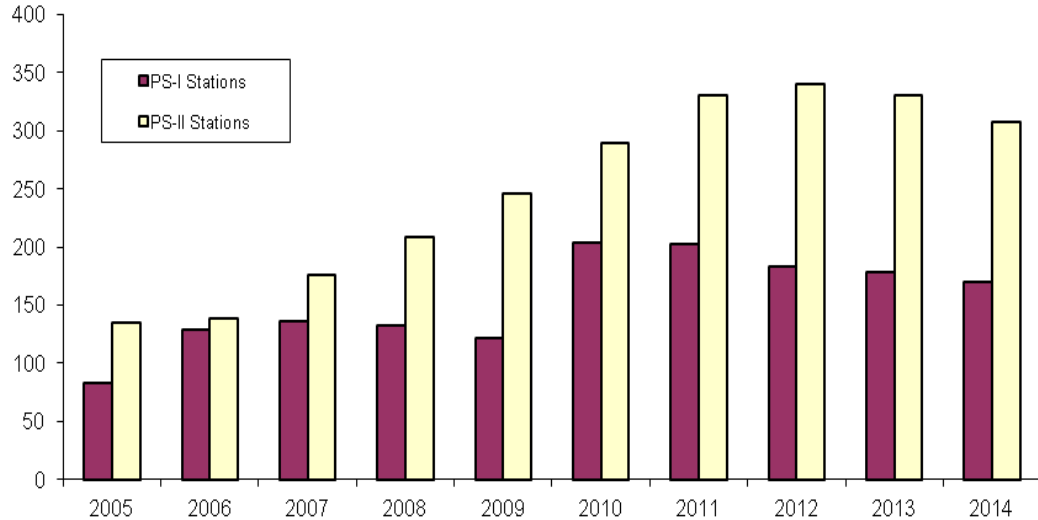


Table 1

PS-II Stations Added during the Year 2014

Sr.No.	PS-II Station	Out of pocket Allowance (Rs. Per Month)
BANGALORE		
1.	Amadeus Software Labs India Pvt. Ltd.	Rs.18,000/-p.m.
2.	Appcito Networks Pvt.Ltd.	Rs.15,000/-p.m.
3.	Aptean	Rs.25,000/-p.m.
4.	Arvind Internet	Rs.25,000/-p.m.
5.	Azul Systems	Rs.25,000/-p.m.
6.	Bidgely	Rs.20,000/-p.m.
7.	CA Technologies	Rs.20,000/-p.m.
8.	Hilti	Rs.15,000/-p.m.
9.	National Centre for Biological Sciences	Rs.8,000/-p.m.
10.	Syniverse Technologies	Rs.20,000/-p.m.
11.	Tangoe India Softek Pvt.Ltd.	Rs.25,000/-p.m.
12.	Zoomcar India Pvt. Ltd.	Rs.25,000/-p.m.
CHENNAI		
13.	Central Scientific Instruments Organisation ⁺	Rs.8,000/-p.m.
DELHI		
14.	AnovIP	Rs.8,000/-p.m.
15.	Grey Orange Robotics Institute	Rs.35,000/-p.m.
GOA		
16.	GMI Zarhak Moulders Pvt. Ltd.	Rs.5,000/- p.m.
17.	Persistent System	Rs.5,000/- p.m.

Sr.No.	PS-II Station	Out of pocket Allowance (Rs. Per Month)
GURGAON		
18.	Bharti Soft Bank	Rs.25,000/-p.m.
19.	Comverse Network System Pvt. Ltd	Rs.30,000/-p.m.
20.	Hike	Rs.30,000/-p.m.
21.	Paxcel Technologies	Rs.20,000/-p.m.
22.	Tata Consultancy Services	Rs.15,000/-p.m.
HOSUR		
23.	FTRTIL	Rs.10,000/- p.m.
HYDERABAD		
24.	Accendo Technologies Pvt. Ltd	Rs.10,000/- p.m.
25.	BT & BT Management Consultancy Pvt. Ltd.	Rs.10,000/- p.m.
26.	IndustryARC	Rs.7,000/- p.m.
27.	Jord International	Rs.12,000/- p.m.
28.	Salesforce.com	Rs.25,000/-p.m.
29.	Worley Parsons India	Rs.16,000/- p.m.
INDORE		
30.	Prataap Snacks Factory	Rs.20,000/-p.m.
JODALLI (KARANATAKA)		
31.	Spicer India Ltd.	Rs.8,000/-p.m.
KOLKATA		
32.	BOC India Ltd.	Rs.6,500/-p.m.
MOHALI		
33.	Paxcel Technologies	Rs.20,000/-p.m.
MUMBAI		
34.	Carwale (Automotive Exchange Pvt. Ltd.)	Rs.15,000/-p.m.
35.	Hilti	Rs.15,000/-p.m.
36.	Mayuresh Group	Rs.10,000/-p.m.
37.	MSCI Index and Research	Rs.30,000/-p.m.
38.	MSCI Technology & Development	Rs.30,000/-p.m.
39.	Netcore Solutions	Rs.20,000/-p.m.
40.	NOKIA - Location & Commerce (Formerly Navteq)	Rs.20,000/-p.m.
41.	Wootify	Rs.20,000/-p.m.
42.	Worley Parsons	Rs.19,000/-p.m.
NAGPUR		
43.	Global Logic ⁺	Rs.15,000/-p.m.
44.	Techure Structures Pvt. Ltd. ⁺	Rs.5,000/- p.m.
NOIDA		
45.	Alliance Infotech	Rs.14,000/-p.m.
46.	Atrenta india Pvt. Ltd.	Rs.15,000/-p.m.
47.	CSR Ltd.	Rs.22,000/-p.m.
48.	Global Logic	Rs.15,000/-p.m.

Sr.No.	PS-II Station	Out of pocket Allowance (Rs. Per Month)
PANTH NAGAR (GUJARAT)		
49.	Spicer India Ltd.	Rs.8,000/- p.m.
PUNE		
50.	Behr India Ltd	Rs.8,000/-p.m.
51.	Centre for Development of Advanced Computing	Rs.10,000/-p.m.
52.	Chrysler India Automative	Rs.8,000/- p.m.
53.	Gabrel India Ltd	Rs.8,000/-p.m.
54.	Halliburton Technology Center	Rs.12,000/-p.m.
55.	Ishwar Parmar Group	Rs.8,000/- p.m.
56.	Mahle Filters India Ltd	Rs.8,000/- p.m.
57.	National Chemical Laboratory ⁺	NIL
58.	Tensilica	Rs.18,000/-p.m.
59.	Thermax Ltd. ⁺	Rs.5,000/- p.m.
SATARA		
60.	Spicer India Ltd.	Rs.8,000/- p.m.
SIRSI		
61.	Divgi Warner (P) Ltd.	Rs.10,000/-p.m.
TRIVANDRUM		
62.	Klientas	Rs.10,000/-p.m.
63.	SunTec Business Solutions Pvt. Ltd.	Rs.10,000/-p.m.

Table 2

Increase in Monthly Stipend at PS-II Stations during the Year 2014

Sr.No	PS-II Stations	Monthly Stipend / out of pocket allowance	
		During 2013	During 2014
1	Blue Jeans Network India Pvt. Ltd. Bangalore	Rs.20,000/-p.m.	Rs.25,000/-p.m.
2	Broadcom India Pvt. Ltd. Bangalore	Rs.22,000/-p.m.	Rs.24,000/-p.m.
3	Intel India Technology Pvt. Ltd. Bangalore	Rs.18,000/-p.m.	Rs.22,000/-p.m.
4	Lantiq India Pvt. Ltd. Bangalore	Rs.15,000/-p.m.	Rs.20,000/-p.m.
5	National Entrepreneurship Network. Bangalore	Rs.10,000/-p.m.	Rs.15,000/-p.m.
6	Inside View. Hyderabad	Rs.25,000/-p.m.	Rs.35,000/-p.m.
7	Development Consultants Pvt. Ltd. (DCPL).Mumbai	Rs.8,000/-p.m.	Rs.8,500/-p.m.
8	J.P. Morgan Services India Pvt. Ltd. Mumbai	Rs.25,000/-p.m.	Rs.30,000/-p.m.
9	Divgi Warner (P) Limited.Pune	Rs.10,000/-p.m.	Rs.10,500/-p.m.
10	Central Building Research Institute.Roorkee	Rs.4,000/-p.m.	Rs.8,000/-p.m.

PS Planning

The preparation for running Practice School courses starts almost one year in advance at the PS Division. The process of preparation of student profile, analysis of student preferences and the student allotment for Practice School courses is completely computerized.

PS Instruction Monitoring

After successfully working with COPSIMS for a number of years, PS Instruction Monitoring has now introduced WEPSIMS (Web Enabled Practice School Instruction Monitoring System). It is an online web enabled tool for an efficient and quick data entry, data retrieval and data management. It is efficiently used for automatic letter generation, evaluation and grading for PS I and PS II and student feedback. PS Division makes constant efforts to maintain and increase the efficiency of instruction monitoring.

Students' Involvement in PS Division-based Projects

The PS Division of the Institute has continued to involve students in analysis, documentation, and educational research-based activities of the Division through projects based on Organizational Aspects, Computer Project, First Degree Thesis and Higher Degree Dissertation. In this regard PS Division has involved students in the following Division-based projects:

1. Development of software related to students and faculty allotment; maintenance of zonal and data analysis related to allotment of students at various stations; modification of the already developed allotment modules.
2. Computerization of PS accounts processing.
3. Development and maintenance of web based tools for instruction to PS II faculty; development and modification of software modules for grade and feedback analysis.
4. BITS Pilani offers scholarship of Rs. 44,000/- (for the entire duration of PS-II) to selected PS-II students with CGPA 7.00 and above at various research organizations.

Academic Research

First Degree Thesis

During the year, 239 First-Degree thesis projects have been completed. The list of some of the completed First-Degree thesis during Second Semester 2013-2014 and First Semester 2014-2015 is given in **Annexure 'B1-9'**.

Higher Degree Dissertation

During the year, 77 Higher Degree dissertation projects have been completed. The list of some of the completed Higher Degree dissertations during Second Semester 2013-2014 and First Semester 2014-2015 is given in **Annexure 'B1-10'**.

Ph.D. Programme

(a) Award of Ph.D. Degree (viva conducted)

S.No.	Name	Year	Guide	Discipline	Title
1.	S. Vasanthakumar	2014	Dr. R.N. Saha	Pharmacy	Design, Characterization and In-vitro, In-vivo Evaluation of Paclitaxel Loaded Nanoparticulate System
2.	Ramesh S. Ve	2014	Dr. Ronnie George	Bio	Longitudinal Assessment of Optic Nerve Head Progression in Glaucoma : A population Based Study
3.	Vishal Gupta	2014	Dr. Mukesh Kumar Rohil	CSIS	Improved Beacon-Stuffing and Quantification of Criticisms in Analytic Hierarchy Process for Infrastructure WLANs
4.	Sushil Chandra	2014	Prof. S.K. Atreya	Mech.	Development of Industrial Design Relationship between Aesthetic and Engineering Parameters in Context of Design and Development of Motorcycles.
5.	Meena Purohit	2014	Dr. Lakshmi P. Kotra	Bio.	Design and Synthesis of Small Molecule Probes Targeting Malaria, Diabetic, Neuropathy and Thrombocytopenia
6.	Virendra Singh	2014	Dr. V.K. Chaubey	EEE	Design and Development of

S.No.	Name	Year	Guide	Discipline	Title
					Performance Enhancement Techniques in Optical WDM Networks
7.	Rakhshan Ihsan	2014	Dr. Sunita Saxena	Bio. Sc.	Genetic and Epigenetic Alternatives in Lung Cancer Associated with Tobacco Exposure
8.	Meghana Shrikant Charde	2014	Dr. Rajiv Gupta	Civil	An Experimental Study of Designed Passive Elements for Energy Efficiency in Buildings in Composite Climate
9.	Anindita Banerjee	2014	Dr. Kalyan Swarup	Management	Relationship between Preparation and Performance Across Emerging and Traditional Contexts of Intercultural Work Assignments : An Empirical Study
10.	Rajesh Purohit	2014	Dr. R.P. Khare	EEE	Investigations on Alkaline Earth Sulphide Phosphors Activated by Copper for Fluoro-optic Temperature sensing
11.	S. Krishna Kumar	2014	Dr. A. Sukumaran Nair	Management	Kerala Model of Development - Critical Analysis and a Design for the Future
12.	Thomas Joseph	2014	Dr. Kesavan Chandrasekaran	Management	Application of Conjoint Analysis to the Fuzzy Front End of a Product Design: A Case Study of the Indian Auto Industry
13.	Poonam Vyas	2014	Dr. Sangeeta Sharma	Languages	A Comparative Study of Traditional and Multimedia Supported Techniques for Imparting Communication Skills at the Tertiary Level
14.	K.P. Chandra Sekhar	2014	Dr. Dalip Kumar	Chemistry	Synthesis and Biological Studies of Some Novel Porphyrin Appended Heterocycles.
15.	Varinder Kumar Mittal	2014	Dr. Kuldip Singh Sangwan	Mechanical	Development and Validation of Drivers for Barriers to and Stakeholders of Green Manufacturing
16.	Amit Kumar Tiwari	2014	Dr. Subit Kumar Saha	Chemistry	Study on Aggregation Behavior and Thermodynamics of Micellization of Some Cationic Gemini Surfactants Using Fluorescence and Conductometric Methods
17.	Saktivel Murugan S.M.	2014	Dr. B.R. Lakshmi	Bio	Genetic Diagnosis, Prevention and Molecular Pathophysiology of Duchenne Muscular Dysrophy and Non-Invasive Diagnosis of Familial Neuromuscular Disorders
18.	V. Kameswara Rao	2014	Dr. Anil Kumar	Chemistry	Metal Triflate Mediated Synthesis of Selected Biologically Active Heterocyclic Compounds
19.	Maheshwari Dwivedi	2014	Dr. R.K. Mittal	Mechanical	Modeling and Assessment of e-waste Management issues in India : Generation, Flows and Extended Producer Responsibility
20.	Nikhil Prakash	2014	Dr.A.K. Sharma/ Dr Sushil Kumar	Chemical	Kinetic Modeling and Simulation of Metallocene Catalyzed Olefin Polymerization
21.	K. Vinayak	2014	Dr. R.B. Kodali	Mechanical	An Investigation of Innovative Product Development Practices in Indian Manufacturing Industry
22.	Kiran Soni	2014	Dr. A.K. Sah	Chemistry	Synthesis of Novel Ligands Containing Saccharide and Amino Acids :

S.No.	Name	Year	Guide	Discipline	Title
					Reactivities of the Resultant Molecules
23.	Venkatasaijyothi Aluru	2014	Dr. N. Angayakanni	Bio.	Proteomic Profiling of Tear Fluid for Potential Biomarker Discovery in Dry Eye Syndrome
24.	Sunil Kumar Dubey	2014	Dr. R.N. Saha	Pharmacy	Pharmacokinetics and Biodistribution Studies of Selected Racemic Drugs
25.	Urvashi Dube	2014	Dr. Suman Kapur	Bio.	Identification of Genetic Loci Associated with Risk for Type 2 Diabetes Mellitus (T2DM) in Indians from Rajasthan
26.	Asati Patra	2014	Dr. Balram Dubey	Maths	Dynamics of Biological Species : Some Mathematical Models
27.	Mishra Bhupendra Ashok	2014	Dr. Dalip Kumar	Chemistry	Synthesis and Photocytotoxicity Studies of Some Novel Porphyrin Heterocycles
28.	Shailendra Priyadarshi	2014	Dr. C.R. Roy	Management	A Strategic Plan for Effective Health Services - A Study for Sashastra Seema Bsal
29.	Garima Gupta	2014	Dr. P.N. Jha	Bio.	Molecular Diversity, Temporal Dynamics and Colonization Behavior of Cultivable Diazotrophic Endophytic Bacteria Recovered from Pearl Millet (<i>Pennisetum glaucum</i>)
30.	Rajiv Ranjan Singh	2014	Dr. Rahul Banerjee	CSIS	Real-Time Physiological Signal Acquisition and Analysis for the Development of a Wearable Driver Assistance System
31.	Jitendra Singh Rathore	2014	Dr. N.N. Sharma	Mechanical	Investigations on the Dynamics and Design and Inflagellated Nanoswimmers using Resistive Force Theory
32.	Dinesh V. Morankar	2014	Dr. K.S. Raju	Civil	Fuzzy Based Approach for Integrated Planning and Performance Evaluation of an Irrigation System
33.	Dileep Kumar Gupta	2014	Dr. M.S. Dasgupta	Mechanical	Design and Optimization of Gas Cooler for Performance Enhancement of Trans-critical CO ₂ Refrigeration System in Indian Context
34.	P.V. Suresh	2014	Dr. G. Karthikeyan	CSIS	Connection-Oriented Architecture Framework for Enterprise class Web Services on Multi Core Servers
35.	Navin Jain	2014	Dr. Jitendra Panwar	Bio.	Biominetic Synthesis of Ag and ZnO Nanoparticles and their Potential Applications
36.	Manoj Kumar	2014	Dr. Kaushik Saha	CSIS	Design Strategies for Multiplayer Gaming on Embedded Platforms Using Wireless Networks
37.	Pradhan Sudeep Kumar	2014	Dr. Srikant Routroy	Mechanical	An Integrated Approach for Design of Supply Management : A Supply Chain Management
38.	Murali P.	2014	Dr. Chittaranjan Hota	CSIS	Design Issues and Implementation of Quality of Service Aware Routing and Resource Allocation in Mobile Ad-Hoc Networks
39.	Arshad Javed	2014	Dr. B.K. Rout	Mechanical	Development of Integrated Design Methodologies to Investigate the Effects of Control Factors and Uncertainties on Topologically Optimized Structures for Robust and

S.No.	Name	Year	Guide	Discipline	Title
					Reliable Performances
40.	Vijay Pratap Raghuvanshi	2014	Dr. Raj Kishore Agrawal	Bio.	Study of Lifestyles and their Behavioural Determinants Leading to Cardiovascular Disease among Different Population Groups
41.	K. Jeyalatha	2014	Dr. B. Vijay Kumar	CSIS	Design, Analysis and Implementation of Algorithms for Web Mining Support Functions
42.	Manisha Dixit	2014	Dr. Meenakshi Raman	Management	A Critical Analysis of the Media Practices in India for Television Reality Shows : An Audience Driven Approach
43.	Lizy Kanungo	2014	Dr. Sunil Bhand	Chemistry	Development of Novel Biosensing Techniques for Analysis of Aflatoxins in Food Products
44.	Manish Bhomia	2014	Dr. R.K. Maheshwari	Bio.	Role of MicroRNAs in Pathogenesis of Venezuelan Equine Encephalitis Virus and Development of Antiviral Strategies
45.	Vidya Prabhudesai	2014	Dr. Srikanth M.	Chemical	Anaerobic Digestion of Food Waste in a Horizontal Plug Flow Reactor
46.	Zubeda Bi Haider Aga	2014	Dr. Sutapa Roy R.	Chemical	Synthesis and Characterization of Nano Sized Pure and Doped Barium Titanate Powders Prepared by Sol-gel-Emulsion Techniques
47.	Nitin Sharma	2014	Dr. K.R. Anupama	EEE	Resource Allocation in Downlink OFDMA Systems: An Evolutionary Approach
48.	M. Mallika	2014	Dr. D. Sriram	Pharmacy	Development of Human Silent Information Regulator (HSIRT 1) Modulators for Treatment of Cancer and Metabolic Disorders
49.	U.V. Jean Kumar	2014	Dr. D. Sriram	Pharmacy	Development of DNA Gyrase B and O-Acetyl serine sulfhydrylase inhibitors targeting <i>Mycobacterium tuberculosis</i>
50.	Prasath R.	2014	Dr. Bhavana P.	Chemistry	meso-Thienhydroporphyrins : An Investigation on the role of Conformation in their Synthesis, Reactions and Properties
51.	J. Alamelumangai	2014	Dr. V. Santosh Kumar	CSIS	Design and Implementation of Algorithms for Improving Subject Based Classification of Web Page and Media Image Data
52.	Vijay Pratap Raghuvanshi	2014	Dr. Raj Kishore Agrawal	Management	Study of Lifestyles and their Behavioural Determinants Leading to Cardiovascular Disease among Different Population Groups
53.	Saumyaa	2014	Dr. Clifford M. Snapper	Bio.	Inhibition of the Antibody Response to Heterologous Protein by <i>Streptococcus pneumoniae</i> , Mediated by Choline-binding Protein(s)
54.	Manoj Kumar Muthyala	2014	Dr. Anil Kumar	Chemistry	Synthesis of Novel Task Specific Ionic Liquids and their Applications in Selected Organic Transformations

(b) Ph.D. Thesis Submitted and Under Process of Evaluation

S.No.	Name	Title
1.	Nirmal Kumar Gupta	Object oriented software quality estimation using maintainability metric and genetic algorithms
2.	Indukuri Bhaskara Raju	Health Care Utilization in Relation to Socio-Economic Status in Rural and Urban Areas of Andhra Pradesh
3.	Kiran D. Mali	Vibration Analysis of Perforated Plates
4.	Anita Shantaram	Ethical Business Practices and Corporate Financial Performance: An Empirical Analysis
5.	J. Therese Patrisha	Pharmacophore Modeling and 3D QSAR Combined with Virtual Screening to Identify Novel Inhibitors of Protein Targets of Infectious Diseases
6.	Malagavelli Venu	Development of Cement Concrete with Non-biodegradable Waste Products and Supplementary Materials - An Experimental Investigation
7.	Jai Gopal Pandey	Architectures and Algorithms for Image and Video Processing using FPGA-based Platform
8.	Prakash	Biosorption of Heavy Metals and Dyes by <i>Scenedesmus</i> sp. MCC26
9.	Aqila Begum	A comparative study of growth and financial performance of Islamic and Conventional Banks in GCC Countries
10.	Naga Vamsi K.Jasti	An Empirical Investigation of Lean Enterprise in Indian Industry
11.	Anjali Awasthi	Factors Affecting Mitochondria Number and Distribution in <i>C. elegans</i> Touch Receptor Neurons and its Correlation with Neuronal Behavior
12.	Aditya N.	Design, Pharmacokinetic and Pharmacodynamic Evaluation of Nanocarriers for Raloxifene Hydrochloride in the Effective Treatment of Post-menopausal Osteoporosis
13.	Syed M. Hussaini	Formability Studies of Austenitic Stainless Steel 316 at Elevated Temperatures
14.	Ankur Jindal	Behavioral and Neuro-pharmacological Screening of Phosphodiesterase-4 (PDE4) Inhibitors for Anti-depressant and Anxiolytic Potential
15.	Shvetank Bhatt	Behavioural and Neuropharmacological Screening of Potential Serotonergic (5-HT ₃) Ligands for Co-morbid Depression, Anxiety and Related Disorders
16.	P. Santhilatha	Study on Breast Cancer Stem Cells and their Role in Anti-Cancer Drug Response
17.	Jaipal A.	Design and Evaluation of Bioadhesive Buccal Delivery Systems of Buspirone Hydrochloride
18.	Ashish Kumar Sharma	Design, Simulation and Analysis of RF-MEMS switches for Reconfigurable Antennas
19.	P.Ganesh Sitaram	Development of Novel <i>Mycobacterium tuberculosis</i> Enoyl Acyl Carrier Protein Reductase Inhibitors
20.	Uma Maheshwara Reddy P	Studies on Development of Micro-Solid Lubricant Coating on Cutting Tools
21.	Vadiraj Kurdekar	Design, Synthesis and Evaluation of Novel Anti-rheumatic Agents
22.	Swati Alok	Application of Theory of Planned Behaviour in Conflict Management : An Empirical Study of Employees in Indian Software Companies
23.	Venkata Saketh Sriram D.	Structure-based Design and Synthesis of Novel Akt Inhibitors for Pre-clinical Evaluation in Lung Cancer Cell lines
24.	Madhu Babu Battu	Design, Synthesis and Pharmacological evaluation of novel Cathepsin S inhibitors
25.	Rahul Vats	Design, Characterization and Pharmacokinetic Evaluation of Lopinavir Nanoparticles for Oral Delivery in the Effective Treatment of HIV/AIDS
26.	Kayiram Kavitha	Novel Data Routing, Compression and Query Processing Techniques for Energy Conservation in Wireless Sensor Networks
27.	Amit Kumar Subudhi	<i>In vivo</i> Transcriptome Analysis of <i>Plasmodium falciparum</i> Clinical Isolates: Glimpses into Molecular Events in Complicated Malaria
28.	Satish Kumar Dubey	Computational Modelling and Simulation of Heat Transfer during Steel Billet Reheating and Transport with Growth of Oxide Scale

Ph.D. Aspirant's & Part-Time Ph.D. Scheme

This scheme has attracted candidates from industry, R&D, education and entrepreneurial sectors towards the Ph.D. programme of the Institute. A number of candidates have been permitted in this year to appear in the Ph.D. qualifying examination. Topics of research identified by these candidates are of relevance to the organization and the society as a whole. Association of many such candidates and their supervisors has given the academic benefits to the on going students through special lectures delivered by them.

Ph.D. Qualifying examination: A number of Ph.D. candidates of aspirants, faculty development scheme and students category numbering 80 were permitted to appear in the Ph.D. qualifying examination in the year 2014.

Sponsored Research Projects

A total of One Hundred seventy (170) research projects sponsored by agencies such as UGC, CSIR, DST, DBT, ICMR, DRDO, ICAR and such other sponsoring agencies are in operation. A list of on-going research projects is given below:

S.No.	Project Title	Principal Investigator	Agency	Sanction (Rs. in Lakh)
1.	Synthesis and detailed characterization of 'ship-in-a-Bottle' complexes inside the microporous and mesoporous material	Dr. Saumi Ray	DST	20.00
2.	Syntheses of efficient and pure blue triplet emitting materials for fabrication of white organic light emitting diodes (WOLEDs)"	Dr Inamur R Laskar	DST	22.17
3.	Design and Synthesis of Novel Bioactive Heterocycles as Anticancer	Dr Dalip Kumar	CSIR	13.58
4.	Novel Synthetic Methodologies for Biologically Important Compounds using Lanthanide Triflates as Lewis Acids in Ionic Liquids	Dr. Anil Kumar	UGC	08.77
5.	Development of a novel synthetic route for an anti-HIV drug	Dr. Dalip Kumar, Dr. Anil Kumar	Ranbaxy	11.50
6.	Design, Synthesis And Biological Evaluation of Indole-based Heterocycles as Anticancer Agents	Dr Dalip Kumar	UGC	7.50
7.	Crystal Engineering of Metal-Organic Frameworks using Organic Linkers Derived from Template-Controlled Solid-State Reactions	Dr.Madhushree Sarkar	DST	23.40
8.	An Extensive Computational Development of Multi-reference Coupled-cluster Methods for Electronic Structure Investigations of Big Molecules	Dr.PrashantU. Manohar	DST	22.40
9.	Study on physicochemical and interfacial properties of some mixed micellar systems of novel Gemini and conventional surfactants in water and water-organic solvent mixed media	Dr.Subit K. Saha	A B Group	10.00
10.	Development of Framework for Multi-agent Robotic Systems	Dr.Sudeep Mohan	CAIR (DRDO)	9.50
11.	Design of Modified Release Multi-Unit Particulate Delivery Systems for Fixed-Dose Combination of Artesunate and Amodiaquine for Pediatrics	Dr. Shrikant Y Charde	UGC Major Research Project	10.25
12.	Evaluation of Anti-Diabetic Foot Cream	Dr. R. P. Pareek	TTK LIG Ltd., Chennai	1.00
13.	Pharmaceutical Application Studies of Polymers Manufactured by BASF	Dr. ShrikantCharde	BASF, Mumbai	2.00
14.	Design of novel nasal delivery systems for selected drugs	Prof. R. N. Saha	Torrent Research Centre, Ahmedabad	20.00
15.	Studies on newer use of Carbopols as pharmaceutical excipients	Prof. R. N. Saha	Lubrizol, USA	12.00
16.	Design, Synthesis and Study of Novel Benzopiperidine analogs as HIV-1 Reverse Transcriptase Inhibitors	Dr. S. Murugesan	BITS, Pilani Research Initiation Grant	2.00
17.	Aakash Ganga – A Social Enterprise	Prof. Rajiv Gupta	Department of	61.96

S.No.	Project Title	Principal Investigator	Agency	Sanction (Rs. in Lakh)
	Model for RWH and Agriculture of low water demanding economically important plant		Science and Technology, New Delhi	
18.	Development and Usage of Innovative Ductile Composite Materials for Repair and Retrofitting of Masonry Structures	Prof.S. B. Singh	Aditya Birla Group (ABG)	10.00
19.	Failure and Stability of Laminated Composite Plates with Cutouts	Prof S. B. Singh	K.K. Birla Academy Projects, BITS, Pilani	4.50
20.	A Study on Sludge Minimization during The Treatment of Pickling Effluent and Utilization of Sludge	Dr. AnupamSinghal	ABG	10.00
21.	GIS based Characterization of Ground water in Shekhawati Region of Rajasthan	Dr. AnupamSinghal	DST	18.00
22.	Investigation into the Behavior of Coupling	Dr. DipenduBhunia	BITS Faculty Research Initiation Grant	2.00
23.	Mobilization of Metals from Copper Mine Tailings of Khetri Copper Mine, Rajasthan and their Attenuation by Soil: Groundwater Pollution Implications	Dr. Sanghamitra Kundu	DST	11.27
24.	Dynamic Buckling Responses of Composite Structures	Mr. S. N. Patel	BITS Faculty Research Initiation Grant	2.00
25.	Establishment of National MEMS Design Centers	Prof. N.N. Sharma	National Program on Micro and Smart Systems (HR PARC)	16.7
26.	Indigenization of Lab-on-Chip for UTI Pathogen Detection	Prof. N.N. Sharma (CO-PI)	National Program on Micro and Smart Systems (Bio PARC)	82.51
27.	Development, Design and Engineering of 28-DOF Humanoid to avoid obstacles and handle specified objects in the environment	Dr. B.K. Ruot	Ministry of Information and Technology, (MIT)	45
28.	Flow in Closed Microfluidic Channel	Prof. N.N. Sharma	INUP, IIT, Powai	Equipment usage, and contingency
29.	Design and development of OptofluidicMicropumps	Prof. N.N. Sharma	CEERI-BITS	Equipment usage & Chemicals
30.	Carbon Nanotube from Carbon Black: Subproject of Project OSCAR being carried out in IIT Bombay	Prof. N.N. Sharma	Aditya Birla Group	10
31.	Cardiovascular Disease in Human Population: Mathematical Modeling and Analysis of its Incidence, Risk Factors and Preventive Strategies	Dr. SaiJagan Mohan	MHRD	3
32.	Modeling and Simulation of Viscose Flow through JetPack Assembly	Dr. Pratik N. Sheth	Birla Cellulosic Kharach	5.52
33.	Characterization of Bio-oil produced via Pyrolysis of Jatropha Cake Residue	Dr. Suresh Gupta (Co-Invstigator)		
34.	Experimental studies of Bio-mitigation of CO ₂	Dr. Pratik N. Sheth	BITS, Pilani	2.00
35.	Determination of Foaming Properties of Aqueous Ethanol Solution Using Industrial Surfactant Sodium Lauryl Sulfate	Dr. Smita Raghuvanshi Mr. Subhajit Majumder(CI)	BITS, Pilani	2.00
36.	Optimization of Complex Chemical Processes Using Evolutionary Algorithms	Dr. Pradipta Chattopadhyay	BITS, Pilani	2.00
37.	Nano technology for enhanced	Dr. Ashish M. Gujarathi	BITS, Pilani	2.00
38.		Dr. JitendraPanwar	Indian Council of	3.726 Crores

S.No.	Project Title	Principal Investigator	Agency	Sanction (Rs. in Lakh)
	utilization of native-phosphorous by plants and higher moisture retention in arid soils		Agricultural Research (ICAR), Govt. of India, New Delhi.	(41.53 Lakhs for BITS Pilani Centre)
39.	Molecular characterization of ACC (1-aminocyclopropane-1-carboxylate) deaminase activity of associative bacteria isolated from plants of desert of Rajasthan	Dr. PrabhatNathJha	DBT	41.35
40.	Molecular characterization of <i>Anopheles stephensi</i> gut epithelial peroxidases and their role in modulating immunity against bacterial and fungal antigens	Dr. Sanjeev Kumar	DST	47.18
41.	Characterization of immune signaling pathway in <i>Anopheles</i> mosquitoes	Dr. Lalita Gupta	DST	21.20
42.	Analyzing structural and functional evolutionary links between RubisCO and carbon concentration mechanism proteins	Dr. Sandhya Mehrotra	DST	23.96
43.	Development of surface Plasmon resonance instrument with a novel optical design	Dr Raj kumar Gupta	DST	25.66
44.	Synthesis of Platinum (II) based pure blue emitting triplet harvesting materials and their applications in white organic light emitting diodes as single emissive dopants	Dr Inamur Rehman Iashkar	CSIR	20.20
45.	Design and characterization of electrochromic rear view mirrors using conducting polymers	Dr S Sindhu	DST	24.35
46.	Developing a smart crop management system using data analytics	Dr Navneet Goel	IBM	6.75
47.	Studies on cell lines as model for predicting in vitro buccal permeation of various classes of drugs and its correlation with n vivo data	Dr S Y Charde	DST	23.58
48.	Design, synthesis and evaluation of novel tetrahydroisoquinoline analogs as anti-HIV agents	Dr S Murugesan	DST	24.75
49.	Endophytic bacteria mediated phytoremediation of organic pollutants	Dr Parmeela	DST-WoS	25.10
50.	Organo catalysis as green approach for synthesis of pyrrolidine/fused pyrrolidines: towards the synthesis of related alkaloids	Dr Indresh kumar	DST	21.90
51.	Removal of heavy metals from industrial wastewater using biofiltration	Dr Smita Raghuvanshi	UGC	5.50
52.	Dynamics of Biological Species: Some Mathematical Models	Dr. Atasi Patra	DST	10.86
53.	An agent-based tool for prediction, analysis, reporting and dispensing of Climate data	Dr Yash Sharma	UGC	8.85
54.	Design and development of test rig to understand dynamics of nanorobots	Dr N N Sharma	UGC	9.37
55.	Investigation of the effect of carbonation on the properties of concrete	Dr Dipendu Bhunia	DST	34
56.	Steady state measurements of fluorescent in restricted environments	Dr D D Pant	UGC	11.63
57.	Investigations on quark-gluon plasma through quarkonia suppression in QCD matter	Dr Madhukar Mishra	DST	11.40
58.	Bio Membrane Device for separation of bioparticles	Dr N N Sharma	DBT	20.25

S.No.	Project Title	Principal Investigator	Agency	Sanction (Rs. in Lakh)
59.	Design Synthesis and evaluation of novel beta secretase inhibitors for the treatment Alzheimer's Disease	Dr Priti Jain	UGC	2.00
60.	Design and Characterization of novel buccal drug delivery system of felodipine	Dr Murali Manohar Pandey	UGC	1.70
61.	A New Distributed Computing Framework for Data Mining	Dr Navneet Goel	DIT	95.00
62.	Transition Metal-Catalysed coupling/reductive coupling of saturated alkyl halide with electron withdrawn alkenes	Dr Paritosh Shukla	UGC	11.95
63.	A Normative Analysis of Selflessness as the Inner Perspectives of Good Life Study of the Indus valley scripts	Dr K N Sachdeva	ICPR	2.00
64.	through linguistic and Markov Chain Methods	Dr Niladri Sarkar	INSA	1.75
65.	Removal of volatile organic compounds from waste streams using biofiltration	Dr Smita Raghuvanshi	DST	14.18
66.	Synthesis of Novel NOS Containing Heterocycles and evaluation of their anticancer activities	Dr Dalip Kumar	DBT	18.80
67.	Phytochemical and metabolic characterization of Prosopis cineraria pods (Sangri) as potential nutraceuticals	Dr Pankaj Sharma	DST	21.30
68.	Enzymatic kinetic resolution of racemic amidoalkyl naphthols and their derivatives	Dr Santosh Padhi	BITS	2.00
69.	Possible mechanism of attenuation of the cardioprotective and neuroprotective effect of Ischemic preconditioning	Dr Rajeev Taliyan	BITS Faculty Research Initiation Grant	2.00
70.	Organocatalytic cascade towards substituted Pyrrole 3-carboxyaldehydes: A variation in Paal Knorr Pyrrole synthesis	Dr Indresh Kumar	BITS Faculty Research Initiation Grant	2.00
71.	Space time coupled least squares spectral element methods for parabolic problems using parallel computers	Dr Pankaj Biswas	BITS Faculty Research Initiation Grant	2.00
72.	Synthesis and characterization of metal oxide dendrimer encapsulated nanoparticles and electrocatalysis	Dr Surojit Pande	BITS Faculty Research Initiation Grant	2.00
73.	Design and Synthesis of Bile acid nucleosides conjugates linked via amino acids as potential anticancer agents	Dr Rajeev Sakhuja	BITS Faculty Research Initiation Grant	2.00
74.	Design and spectroscopic characterization of novel donor acceptor systems to be used in light energy conversion	Dr Shamik	BITS Faculty Research Initiation Grant	2.00
75.	Analysis of genetic diversity of malaria parasite using genetic and microsatellite markers from Bikaner	Shilpi Garg	BITS Faculty Research Initiation Grant	2.00
76.	Characterisation of genes regulation the polarity of sensory organs of Drosophila	Dr Monalisa Mishra	BITS Faculty Research Initiation Grant	2.00
77.	Awareness, Use and Implication of Web 2.0 for supplementing classroom teaching at graduate level	Dr Virendra Nirban	BITS Faculty Research Initiation Grant	2.00
78.	Cinematic Arts: A critical study of Multidisciplinary aspects of cinema	Dr Sushila Shekhawat	BITS Faculty Research Initiation Grant	2.00
79.	Modelling Modal Shift to Bus Rapid Transit System (BRTS) from other modes of travel in Jaipur	Dr Shriniwas Arkatkar	BITS Faculty Research Initiation Grant	2.00
80.	Condition Monitoring of Dynamic	Dr. Arun Jalan	BITS Research	2.00

S.No.	Project Title	Principal Investigator	Agency	Sanction (Rs. in Lakh)
	System by Vibration Response Analysis		Initiation Grant	
81.	Preparation and characterization of thin films of electrochromic conducting polymer and fabrication of prototype smart pixel displays	Dr. S. Sindhu	CSIR	14.10
82.	Impact of PMGSY Roads on Accessibility in Rural Areas	Dr. A.K.Sarkar	NRRDA	22.63
83.	Molecular studies on extracellular biosynthesis of metal nanoparticles	Dr. Jitendra Panwar	DST-Nano mission	45.50
84.	Development and Usage of Innovative Ductile Composite Materials for Repair and Retrofitting of Concrete and Masonry Structures	Dr. S.B.Singh	DST	23.50
85.	Novel α -Amino, α -Aminoxy and α -Hydrazino acids linked Bio-conjugates: Design, Synthesis and Biological Evaluation	Dr. Rajeev Sakhuja	UGC-Start upgrant	6.00
86.	Size-Dependent Hydrogenation Catalysis with Mono-(Pd and Pt) and Bimetallic (Pd@Pt) Nanoparticles in Quantum Dot Region	Dr. Surojit Pande	UGC-Start up grant	6.00
87.	Implication of Glycogen Synthase Kinase-3 and Histone Deacetylase inhibitor in neurological disorders associated insulin resistance syndrome	Dr. Rajiv Taliyan	UGC-Start up grant	6.00
88.	Enzyme Catalyzed Kinetic Resolution of (a) Racemic Amidoalkyl naphthols and (b) Racemic 1-Amidomethyl-	Dr. Santosh Padhi	UGC Start up grant	6.00
89.	Design of new ionic receptor molecules derived from Schiff Bases: syntheses and their spectroscopic and theoretical characterization	Dr. Shamik Chakraborty	UGC Start up grant	6.00
90.	Facility management using GIS and Genetic algorithm	Dr. Rajiv Gupta	DST	19.99
91.	Exploration of novel ionic liquid-supported sulfonyl reagents for organic synthesis	Dr. Anil Kumar	CSIR	12.76
92.	Understanding the epigenetic regulation in modulating inflammatory response mediated by NF-kb through AT1 and AT2 receptor in type II diabetic nephropathy	Dr. Anil G. Bhanudas	DST	19.41
93.	Esculetin a Therapeutic Intervention Targeted at Cardio-Renal Syndrome in Type-2 Diabetes	Dr. Anil G. Bhanudas	DST	39.66
94.	The role of Hippo signaling pathway components in autophagy regulation in hepatocellular carcinoma	Dr. Rajdeep Chowdhury	DST	24.05
95.	Engineering halospermum montanum hydroxynitrile lysase for potential synthetic and industrial applications	Dr. Santosh Padhi	DST	25.00
96.	Removal of Heavy metals from industrial wastewater using metallic nanoparticles as absorbents	Dr. Suresh Gupta	DST	21.47
97.	Study of Traffic flow characteristics on expressways	Dr. Srinivas Arkatkar	DST	21.47
98.	Production of hydrogen rich fuel gas from Jatropha residue cake	Dr. Pratik Seth	DST	24.90
99.	Evaluation and enhancement of foam stability of ethanol based aqueous foam using commercial surfactant sodium lauryl sulfate	Dr. Pradipta Chattopadhyay	DST	25.00
100.	Design and Development of opinion mining framework	Dr. Yash Sharma	DST	13.26

S.No.	Project Title	Principal Investigator	Agency	Sanction (Rs. in Lakh)
101.	Design, development and implementation of a building integrated photovoltaic system for rural application	Dr. Rajneesh Kumar	State Innovation council	43.26
102.	Exploring nertoprotective effect and molecular mechanisms of remote limb ischemic post-conditioning against brain stroke	Dr. Rajeev Taliyan	DST	25.0
103.	Characterization of surface errors in machining of thin-walled curved geometries	Dr. Tufan Chand Bera	DST	24.09
104.	Enhancing phytochemical production by the use of elicitors	Dr. Sachi Singh	DST	21.80
105.	Dark energy modeling of cosmic acceleration with observational constraint in Eintein gravity and modified theories	Dr. Suresh Kumar	DST	14.16
106.	Synthesis and characterization of Metal Oxide Core- (Metal) shell nanoparticles in quantum dot region and their applicaton in electrocatalysis	Dr. Surojit Pande	DST	24.93
107.	Design of synthetically tunable azino-fused chromene conjugates as potential organogelators	Dr. Rajeev Sakhuja	DST	24.70
108.	Development of Listening and speaking modules of English languages through multimedia lab for rural students of class XI-XII	Dr. Devika	UGC	4.09
109.	Role of Conserved oligomeric golgi complex (COG7) gene in the morphogenesis of hearing organ in drosophila	Dr. Monalisa Mishra	DST	24.75
110.	Study of awareness, uses and implications of web 2.0 for supplementing classroom teaching at graduate level	Dr. Virendra Nirbaan	UGC	7.89
111.	Transforming language learning with new technologies for enhancing employability of college students from rural background	Dr. Pusph Lata	UGC	8.94
112.	A Mechanistic analysis of the role of pro-inflammatory cytokines in induction of epithelial to mesenchymal transition in hepatocellular carcinoma	Dr. Sudeshna Mukherjee	DST	16.80
113.	Study of Structural Response and Strengths of Thin-Walled FRP Composite Girders	Dr. S.B.Singh	CSIR	14.32
114.	The Study of post-reionization HI distribution using the redshifted signal and Ly forest towards understanding cosmic accelation	Dr. Tapomoy G. Sarkar	DST	10.38
115.	Identifying microRNA signatures associated autophagy induced chemoresistance in hepatocellular carcinoma	Dr. Rajdeep Chowdhury	UGC-Start up grant	6.00
116.	Analysis of hypothetical and putative proteins dual targeted to apicoplast and mitochondria in plasmodium vivax	Dr. Shilpi Garg	UGC Start up grant	6.00
117.	Role of Protein kinase D in eye development of Drosophila	Dr. Monalisa Mishra	UGC Start up grant	6.00
118.	Information transfer during collective motion	Dr. Kunal Bhattacharya	BITS Research Initiation Grant	2.00
119.	Application of Enriched Microbial Biofilte for Metal Detoxification in Industrial Wastewater	Dr. Subhazit Mazumder	UGC	2.00
120.	Neuro-pharmacological investigation of	Dr. Shvetank Bhatt	UGC	2.00

S.No.	Project Title	Principal Investigator	Agency	Sanction (Rs. in Lakh)
121.	novel Quinoxaline Carboxamides: Nove Serotonergic Modulators for their Anti-depressant and Anxiolytic Activity Synthesis, Characterization and applications of Novel Ionic Liquid supported Metal Complexes	Dr. Bharti Khungar	UGC	13.40
122.	Synthesis, Metallochemistry and Reactivities of D-Glucose derived Glycoconjugates	Dr. Ajay Kumar Sah	UGC	9.13
123.	Development and Validation of sustainability framework for manufacturing industries	Dr. Abhijeet Digalwar	UGC	3.22
124.	Recovery of Multiple Metals ions from Industrial Wastewater using Adsorption	Dr. Utkarsh Maheswar	UGC	2.00
125.	Study of native chemical ligation at tryptophan and aspergine sites and its application in peptide synthesis	Dr. Kiran Bajaj	DST	25.50
126.	Experimental Investigation on CO2 based refrigeration system in Trans-critical cycle	Dr. M.S.Dasgupta	DST	27.50
127.	Design of Ionic Liquid linked Benzotriazoles as Useful Synthetic Auxiliaries in Organic Synthesis	Dr. Rajeev Sakhuja	BITS Seed Grant	9.80
128.	A Digital Humanities Approach to Interpret the Visual Culture of Shekhawati Region	Dr. Leela Rani	BITS Seed Grant	13.90
129.	Electromagnetic Characterization of Three Dimensional Targets with Plasma Cladding for Stealth Technology Using Recursive Convolution Finite Difference Time Domain Methods	Dr. Niladri sarkar	BITS Seed Grant	5.20
130.	Investigation & Development of an ICT Driven MIS for Small Milk Producers	Dr. Leela Rani	BITS Seed Grant	3.20
131.	Effect of esculetin on the development of type II diabetic nephropathy	Dr. Anil G. Bhanudas	BITS Research Initiation Grant	2.00
132.	Developing metal Doped Bismuth Vanadate (BIMEVOX) Systems for fuel cell and catalytic applications	Dr. Banasri Roy	BITS Research Initiation Grant	2.00
133.	LCAT and ApoB the two modulators of cholesterol metabolism: are they regulated by HFHS and TNFa	Dr. Prafulla C. Shukla	BITS Research Initiation Grant	2.00
134.	Role of Pro-inflammatory Cytokines in Epithelial to Mesenchymal transition in Hepatocellular carcinoma	Dr. Rajdeep Chowdhury	BITS Research Initiation Grant	2.00
135.	Enzymatic Kinetic resolution of racemic amidoalkyl naphthols and their derivatives	Dr. Santosh padhi	BITS Research Initiation Grant	2.00
136.	Synthesis and characterization of polymeric nanoparticles for applications in oral drug delivery	Dr. Sonal mazumder	BITS Research Initiation Grant	2.00
137.	Understanding and facilitating mentor-protégé relationships: An appreciative inquiry approach	Dr. Rajneesh Choubisa	BITS Research Initiation Grant	2.00
138.	Manufacturing Ultra-light high performance green composites from renewable feedstock	Dr. Subrata Bandhu Ghosh	BITS Research Initiation Grant	2.00
139.	Women at the work place: Investigating gender differences in sciences at higher education institution	Dr. Tanu Shukla	BITS Research Initiation Grant	2.00
140.	Exploring Nothe-East India through the lens of its literary productions	Dr. Kumar Sankar Bhattacharya	BITS Research Initiation Grant	2.00
141.	Growth and characterization of substrate supported transition metal nanostructures useful for catalytic, electronic and sensor applications	Dr. Subhashis Gangopadhyay	BITS Research Initiation Grant	2.00

S.No.	Project Title	Principal Investigator	Agency	Sanction (Rs. in Lakh)
142.	Micromodel experiments demonstrating gravity and capillary dominated immiscible flow of mercury in porous media	Dr. Shibani Khanra Jha	BITS Research Initiation Grant	2.00
143.	Development of ecofriendly nonionic surfactants coupled ultrasonic extraction technology for conophylline, an antidiabetic lead molecule and its comparison with conventional extraction techniques	Dr. Paul Atish Tulshiram	BITS Research Initiation Grant	2.00
144.	A study of Indian university models between 1857 and 1964	Dr. Hari Krishnan gopinandhan nair	BITS Research Initiation Grant	2.00
145.	Strengthening of Local Soil Using Fly Ash	Dr. Kamalesh Kumar	UGC	2.00
146.	Modeling and Simulation of Metallocene Catalyzed Olefin Polymerization	Dr. Nikhil Prakash	UGC	2.00
147.	Study of Laser interaction with atomic clusters and preformed plasma	Dr. Amol Holkundkar	DST-FAST TRACK	15.0
148.	Development of drivers barriers and key performance indicators for implementation of green manufacturing in indian micro small and medium ceramic enterprises	Dr. K.S.Sangwan	UGC	9.91
149.	Design of Supplier Development Implementation Framework for Indian Manufacturing Industries	Dr. Srikanta Routroy	UGC	9.41
150.	Characterization of Isoprenoid biosynthetic pathway enzymes from Plasmodium vivax	Dr. Vishal Saxena	UGC	7.88
151.	Designing, Synthesis and validation of a dehydration stress responsive promoter in plants	Dr. Sandhya Mehrotra	UGC	12.86
152.	Studies on design and characterization of multi-unit controlled release dosage formulation of Milnacipran Hydrochloride, in vitro release mechanism and in vivo pharmacokinetic parameters in animals	Dr. Gautam Singhvi	UGC	1.40
153.	Investigations on metal tolerance ability of soil fungi and their potential towards nanoparticle synthesis	Dr. Jitendra Panwar	UGC	15.06
154.	Cinematics Arts : A Critical study of Interdisciplinary aspects with special reference to Literature, Audio Visual and Performance	Dr. Sushila Shekhawat	UGC	5.54
155.	An Empirical Study on impact of information and communication technology on productivity in small and medium textile enterprises in Rajasthan	Dr. Leela Rani	UGC	6.51
156.	Time-resolved Spectroscopy of Fluorescent Molecules in Micellar Systems	Dr. D.D.Pant	DST	53.00
157.	Understanding impact of social learning forms on environmentally sustainable behavior in children	Dr. Leela Rani	ICSSR	5.00
158.	Characterization of major components of [Fe-S] cluster assembly pathway in plasmodium vivax	Dr. Shilpi garg	DST	23.00
159.	Competition between charge transfer and proton transfer processes in some newly designed schiff bases: spectroscopic and theoretical	Dr. Shamik Chakraborty	DST-FAST TRACK	24.98

S.No.	Project Title	Principal Investigator	Agency	Sanction (Rs. in Lakh)
160.	investigations in condensed phase Effect of partial replacement of cement with marble slurry on concrete	Dr. Anshuman	DST	23.38
161.	Development and application of density functional reactivity theory based modeling techniques to understand the energetics of reactive and non-reactive interactions	Dr Ram Kinkar Roy	DST	31.55
162.	Thermodynamic studies on force induced transitions in DNA molecule in crowded environment	Dr Navin Singh	DST	18.64
163.	Studies in Laboratory Scale oxygen fired fluidized bed based on co-firing rice husk with coal	Dr Ravi Inder Singh	DST	26.46
164.	Design and Development of an efficient soft-switching converter with adaptive maximum power point tracking (MPPT) controller for a standalone photovoltaic power generation system	Dr Rajneesh	MNRE	29.39
165.	UGC- Start-up-grant	Dr Sonal Mazumder	UGC	6.00
166.	Design and Synthesis of Heavy metal based aggregation induced emission active complexes and their application in Bio-imaging	Dr Inamur R Laskar	DST	35.90
167.	Modeling of cardio vascular flows and influence of magnetic field on circulation	Dr. Ashish Tiwari	DST	11.63
168.	Rooftop Rainwater harvesting for safe, potable and healthy drinking water and ground water replenishment for BITS Pilani, Pilani campus	Dr. Rajiv Gupta	BITS CORE Project	91.00
169.	Zinc Recovery from Industrial waste using bioleaching	Dr. Suresh Gupta	BITS CORE Project	48.00
170.	Mobile Wireless Sensor Network Based Tracking and Sensing System for Underground Coal Mine Exploration, Safety and Security	Dr. Anupam Singhal	Ministry of mines	30.38

The details of these projects are given in individual department write-ups (B1.10.1 to B1.10.13).

Entrepreneurship Development and IPR Unit

ED&IPR unit has been continuously working for streamlining various processes to develop an ecosystem in the campus for promoting innovation and entrepreneurship through academic courses like "Creating and Leading Entrepreneurial Leadership" & "New Venture Creation"; Intellectual property protection; Technology Business Incubator (TBI) activities and Centre for Entrepreneurial Leadership (CEL).

Courses

New Venture Creation course for the third time was delivered across three campuses simultaneously. There were around 25 teams constituting around 75 students that participated in fine tuning their ideas to come out with a business plan that can be taken to next stage of implementation. Creating and Leading an Entrepreneurial Organisation course delivered on experiential learning pedagogy is being offered semester after semester for the past more than 9 years.

Patent Filing and Protection

IP Policy document was finalised and announced during the year. A process for disclosure of innovation was put in place. Faculty members are being encouraged through workshops and interactions to come out with patents from their research endeavours that can have commercial worth. During the year 10 patent applications by the faculty members mainly from Bio-Sciences, Chemistry, Physics, and Pharmacy Departments were filed.

Software Development and Educational Technology Unit

The **Software Development & Educational Technology Unit** (SDET Unit) incorporates the **Centre for Software Development (CSD)** as well as the **Centre for Educational Technology (CET)**. The Unit has a mandate to include identification, establishment, deployment and evolution of appropriate educational technology in order to support effective resource utilization of expertise (teaching / mentoring / collaboration) available at various campuses (both existing and upcoming) as well as enable students and faculty involved in various off-campus work-integrated learning programs of the Institute. Research, development and consultancy in those areas of computing where it has expertise and interest amongst its nucleus members remain the other important areas of the work for the SDET Unit.

The SDET Unit has four specific sets of activities handled by its two wings: CSD and CET. These wings focus on multimedia, E-learning, web-services, live and stored video streaming as current thrust areas. Its CET wing has its mandate to identify suitable educational technology solutions for on as well as off-campus operations of the Institute and helping in their deployment.

The SDET UNIT is involved in the Open-source Moodle LMS based *deployment for requirements of the Institute* in form of the *Nalanda portal*, apart from focusing on the design / development / deployment of the Internet-based distributed learning architecture and synchronous as well as asynchronous-delivery-based content development. In addition, it has complementary features of Digital Video delivery over the Internet. Three phases of this project have already been completed. For quite some time now, it has added the live interactive (bi-directional audio/video/text-based) classroom feature to value add its off-campus student population.

The SDET Unit has played the leading role in co-designing and establishing (along with alumni of the Institute) a University-wide, Integrated immersive Telepresence Infrastructure with seamless support for very high-quality eye-to-eye contact based meetings between people present in three telepresence rooms in three campuses along with integrated multi-campus interactive lecture delivery and recording support for three class rooms spread over all four campuses of the Institute which have been further integrated with the interactive-web-conferencing system capable of involving numerous live interactions amongst faculty and off-campus students along with recording and view-on-Demand capabilities. This has been done as part of the BITS-connect 2.0 initiative and has benefitted from significant contributions from BITS Pilani and BITS Alumni spread over the Globe.

In the past, the Unit had been involved in the Journal Server Project which is a freeware international virtual digital library project, being led by Oxford University and BITS, involves over fifteen major universities in UK, India, USA, Norway, Italy, South Africa, Germany, Pakistan, Taiwan and Bangladesh, BITS had contributed to the overall architecture and Search Engine aspects of this project.

The SDETU has played a major role nationally and internationally in several areas including the research, development and deployment specific to the next-generation internetworking technologies like IPv6. It has brought several firsts to BITS and has contributed to funded international research projects in this area.

Members of the team have also presented, the research and development work being done at BITS at several international fora apart from being actively involved in IEEE and IETF activities in the area of networking research and standardization. In addition, the SDET Unit is the official enabler for the BITS-BITSAA joint venture known as Project Embryo (<http://www.embryo.org>) that is aimed at joint efforts by current students, alumni and faculty for delivery of live lectures by specialist alums as well as joint collaborative research guidance by alums and faculty to on-campus students.

In addition to large number of first degree and master's level students, at present, two full-time doctoral scholars students are working towards their Ph.D. at the SDET UNIT in the area of wearable computing both of whom have won the TCS Doctoral Research Fellowships after joining BITS Pilani.

Center for Biotechnology

The Centre has in-house facilities of Genetic Engineering and Recombinant-DNA Technology. The objectives of the Centre are to take up research and development projects from various sponsoring organizations, establishments of University-Industry linkage through various R&D contract projects and conduct periodic Workshops and hands on training for faculty members, industry personnel and students in the area of advanced molecular biology/biotechnology and bioinformatics. The facilities available are Gel Documentation System, PCR Machines, Hybridization oven, Gel electrophoresis equipments, UV-Cross linker, Temperature Controlled Water Bath Shaker, Refrigerated Centrifuge, Cold Room, Tissue Culture Room, Plant Biotechnology facility, Semi-automated Green House, Radioisotope handling facilities, Liquid Nitrogen Plant Victor-3 Multichannel counter, Inverted microscope with camera attachment, – 80°C Deep Freezer, etc. We developed Insectory to

facilitate research on mosquito borne diseases. In the year 2014 approximately 75 students were trained in molecular biology techniques through various laboratory courses. Over 50 students completed their projects in the area of modern biology. A workshop entitled “*National Workshop on Molecular Techniques: Cell to DNA (MTCD-2014)*” was conducted during April 10-12, 2014 at BITS Pilani, Pilani Campus, India by the centre with the support from Biological sciences department.

Centre for Desert Development Technologies (CDDT)

The Centre for Desert Development Technologies (CDDT) was established in April 2005 as an Alumni initiative at BITS-Pilani in collaboration with Jacob Blaustein Institutes for Desert Research (BIDR) of Ben Gurion University (BGU) – the acknowledged global leaders in making the desert bloom through their demonstrable success in the Negev Desert [www.bgu.ac.il/bidr]. The C-DDT mission is to make the desert areas of Rajasthan bloom through demonstration, extension, and development of world class desert development technologies-water and energy conservation in irrigation systems, rain water harvesting and ground water management, conservation and propagation of plants suited for the desert environment, and optimizing human existence in the desert ecosystem. The C-DDT vision is to develop a multi-disciplinary center of excellence to demonstrate the role that various technologies play in desert development and to assess their socio-economic impact on the inhabitants. The key disciplines involved are Civil, Chemical, Electronics and Electrical Engineering; Plant Biotechnology, Solar Energy, and Humanistic studies. A water management system consisting of rainwater harvesting pipelines, tank, solar pump, drip irrigation system etc. has been constructed and a plantation area that uses water from this system developed. A biotechnology complex consisting of a plant tissue culture lab and a greenhouse has been constructed. Rare desert plants like Guggul, Jatropha, etc. being propagated and exploration of new crops like Olive is being explored. Certain other projects which have been initiated are recycling and desalination of gray water for irrigation purpose, assessment of groundwater resource in the Shekhawati area using remote sensing data and geographical information system, development of aloe vera processing, impact of desertification on nomadic population and vice versa. Several exchange visits of BITS alumni and faculty and BGU/BIDR faculty have taken place. A MoU between the two institutions has been signed. In addition to exchange of ideas and expertise, joint projects are being undertaken. A four rooms complex has been created to study the use of solar energy in passive architecture with support of UGC. The different studies are being carried out related to energy saving techniques. It implements the new energy efficient static sun-shade, cavity walls, wall with brick projections, roof with stonewares and vents to show case the energy efficient house to reduce the active load for comfort conditions. A good number of International publications are made and a Ph.D. along with number of projects are completed by students.

Centre for Educational Technology (CET)

The Centre for Educational Technology (CET) is the second of the two major centres run by the Software Development and Educational Technology Unit (SDET Unit) at BITS-Pilani. It comprises of modern digital video studio and is equipped with the high-quality Video-conferencing facilities.

This is further complemented by the Internet-based, highly scalable distributed desktop video-conferencing facility allowing medium-quality but more interactive live classroom sessions where all students cannot come to on or off-campus classrooms and may be resident in different parts of country / world. The Centre is equipped with the IP-based Video-on-Demand and Scheduled Video Multicast facilities which can allow reuse / review / streaming of lectures delivered earlier for the benefit of students. Incidentally, the above referred Project Embryo makes effective use of this technology already and allows ALL campuses of BITS-Pilani to be benefitted simultaneously whenever an Alumnus expert delivers a scheduled lecture from elsewhere in the world.

Its focus is on E-learning delivery systems, related web-services, live and stored video streaming as current thrust areas. Its mandate is to identify suitable educational technology solutions for on as well as off-campus operations of the Institute and helping in their deployment.

The CET has played the leading role in co-designing and establishing (along with alumni of the Institute) a University-wide, Integrated immersive Telepresence Infrastructure with seamless support for very high-quality eye-to-eye contact based meetings between people present in three Telepresence rooms in three campuses along with integrated multi-campus interactive lecture delivery and recording support for three class rooms spread over all Indian campuses of the Institute which would be further integrated gradually with the interactive-web-conferencing system capable of involving numerous live interactions amongst faculty and off-campus students along with recording and view-on-Demand capabilities. This has been done as part of the BITS-connect 2.0 initiative and has benefitted from significant contributions from BITS Pilani and BITS Alumni spread over the Globe.

Currently, the CET is in the process of evolving a long-term and near-term blueprint and strategic plan of sustainable dual-purpose large-scale open or partly-closed global instruction delivery for BITS Pilani with a focus on the Open edX based MOOC Platform of our own known as ‘Any-Learn’ accessible at the URL: <http://any-learn.bits-pilani.ac.in>.

Centre for Entrepreneurial Leadership (CEL)

The major projects running under CEL at BITS Pilani - Pilani Campus are Conquest, E-Week, Rural Entrepreneurial Division, Summer in a Startup (SiS), StartupSphere and Mantra awards. The entire CEL team has been working with their full zeal and has been taking all their projects to next level.

The brief descriptions of the activities done under the major projects by CEL team during 2013 are as:

E-Week 2014

Center for Entrepreneurial Leadership (CEL), BITS Pilani, Pilani Campus has been awarded the **E-Week India 2014 Premier Award** by National Entrepreneurship Network in its Grand Finale of E Week held on 8th March 2014 at Jaipur.

As per tradition, E-Week was managed and organised by CEL team from 8th February to 16th February 2014. E-Week 2014 was a plethora of activities that made the participants think on Entrepreneurial lines. E-week had activities including Bedrock, Price is Right, Temple Run, E-Week Quiz, Bluffmaster, Mind vs Money, SMS ASAP, E-Pic, In my shoes and an Ad making competition.

Bedrock - for a few hours, the restaurants at C'not were given to students' teams for management. The team which made the maximum profit won the competition.

Price is Right - had multiple rounds. The game tested a person's ability to come closest to the actual value of a given uncommon product.

Temple Run - involved students running a race, but simultaneously giving oral answers to the questions asked to cross the checkpoints.

Quiz - tested a person's knowledge about Business, Planning, and Economy.

Bluffmaster - a quizzing game of wit; The players had to find out the person amongst them, with the answers to the asked questions.

Mind vs. Money - A hybrid of Monopoly and Treasure Hunt, tested the players' trading sense and aptitude.

SMS ASAP - An event to test the limits of your luck and knowledge. The lucky person to text the answer to the presented question won a cash prize.

My Shoes Case Study Event to come up with best solution for the problem given in the case.

Rural Entrepreneurial Division

CEL team continuously look for business opportunities for generating employment for people living in rural area near Pilani and mentors the youth to exploit those opportunities.

In year 2014, **Mongouri Project** was initiated and led by the Rural Entrepreneurship Division of CEL, BITS Pilani aims at creating an independent and sustainable enterprise involving the people of Rayla. The Project intends to create a framework that identifies and executes effective procedures for the sale of packaged Mongouri in Pilani. All the while, it fundamentally focuses on making a successful enterprise out of a rural location and helping those involved in it.

Rayla, situated 3-4 Kms from Pilani, is a small village where CEL team planned to carry out this Project. The motivation behind this project was simple. It was to make use of the villagers' skills to set up a small scale business leading to an additional source of income for them.

Working with the villagers is still on and the new ideas will take time to take effect in the slow rural community.

Summer in a Startup (SiS) 2014

Summer in a Startup aims to bridge the gap between Startups and interns. In its 2013-14 edition, SiS has gained a new brand name for itself. There have been over 500 applications and more than 20 Job Profiles were available, including that from prominent startups like Zomato. Which itself received 200+ applications.

The number of startups contacted has also gone up tremendously and hence, the network outreach of SiS has increased. A new website and application portal was also designed which will be improved upon in our subsequent editions.

SiS 2014 was divided into two major rounds of application accepting and processing and internships were provided to both first and third year students successfully.

StartupSphere

In 2014, StartupSphere team with an aim of nurturing and maintaining an ever-growing ecosystem for on-campus startup enthusiasts, had conducted three meet ups amongst the aspiring entrepreneurs and students who have already taken the plunge. In order to help out the budding startups on-campus we also had invited Venture Capitalists such as ShashankRawat from Kae Capital and ChintanBakshi from Startup Oasis, which gave the the students the perfect opportunity to showcase their ventures. Besides all these, the StartupSphere

team had been developing a website which would build the gap between alumni and students, especially the ones who are seeking mentor-ship or looking for an opportunity to work in such ventures. We have three different paradigms on the site namely, Students, Mentors and Entrepreneurs, where in each one of them would be able to keep up with ever building opportunities. The site is supposed to launch in this semester for a trial run.

The following are some shots from various SS sessions held over the year.



Mantra Awards 2014: The Mantra awards were instituted by CEL, in 2009, to recognize and reward outstanding students who have demonstrated extraordinary leadership potential and/or entrepreneurial initiative. Anupendra Sharma, co-founder of CEL, Investment Partner at Siemens Venture Capital in Boston, and CEL Alumni Advisor had initiated the creation of the Four '**Mantra Awards**'. The following are the students who are selected for Mantra Awards 2014:

- **Sahil Aggarwal** - Mantra Award for Outstanding Leadership
- **Chandeesh Gurajala** - Mantra Award for Outstanding Leadership
- **Shreyansh Jain** - Mantra Award for Innovator of the Year
- **Prannoy Pilligundla** - Mantra Award for Innovator of the Year

Technology Innovation Centre (TIC)

Technology Innovation Centre was instituted as a facility by which engineer/scientist entrepreneur could spend desired period at the campus and investigate problems brought by him along with a team of BITS facilities and students. These people are given associate faculty status so that they can use all the infrastructural facilities of the Institute and participate in the academic process. Moreover, these entrepreneurs are able to work for their Ph.D. degree of BITS and participate in teaching certain state of the art courses during their visits to the campus.

Past-experience shows that this facility mostly attracts knowledge – intensive small-scale entrepreneurs, who cannot afford the high cost of R & D in their establishment. The institute, in turn, has been able to train its students on entrepreneurial skills and has provided the rewarding experience of investigating real – life problems brought from the industry.

During 2014, one company have applied under this scheme and selected students for their projects with stipend. **Gymneus, Austria** ,selected 7 and 8 students to work on their projects in the EEE, Mechanical engineering and computer science fields in II semester 2014-15; , and I sem 2014-15 respectively

Centre for Materials Science and Technology

The objective of the Centre for Materials Science and Technology is to develop and implement projects related to modern materials such as smart materials, biomaterials, fibre-reinforced plastic composites and also related to conventional materials such as metals, ceramics and polymers. The Centre undertakes mechanical and non-destructive testing of various engineering materials and products for evaluating their mechanical properties and for evaluating defects such as cracks, voids, delamination, inclusions etc. Other activities include providing consultancy related to materials aspects and testing/ development and analysis in the field of materials science and technology in general. The testing facilities available at the Centre include a conventional Universal Testing Machine of 50 Tons capacity, as well as, a fully computerized microprocessor based Electronic Universal Testing Machine of 100 kN capacity, Heating Chamber for UTM for High Temperature Testing, Hounsfield Tensometer, various hardness testing machines such as Brinell, Rockwell, and Vickers Hardness Testers, Digital fatigue testing m/s, Digital Torsion testing m/c, Digital izod/Charpy impact testing m/c, 3-D printer (ATS make SIA Printer/, Flash forge Dual Dreamer Extruder, Circular Polariscope, Strain-gauge testing facility, Double disk polisher, Inverted Metallurgy Microscope, Erichsen cupping tester, Single Screw Extruder with Calendering and Pelletization Facilities Ultrasonic Flaw Detectors, Liquid Penetrant Test kit, Magnetic Crack Detector, Eddy Current Tester, Acoustic Emission Testing equipments, Acousto-ultrasonic pocket hand-held AU scanner etc.

Centre for Robotics and Intelligent System

The objective of the Centre for Robotics and Intelligent Systems (CRIS) is to develop prototypes that provide greater intelligence and higher versatility for robotic tasks under ever-changing constraints of the environment. This objective is set forth to make Indian industry competitive by developing indigenous technical skills,

manpower and innovative spirit. Each prototype is developed in four different stages viz. (i) Conceptualization, (ii) Algorithmic development and verification in simulated environment, (iii) Real-time testing and (iv) Integration of automated system. The Centre is well equipped with excellent computational facilities; advanced software packages for circuit design, image processing and mechanical design; micro controller and DSP based driver card for real-time experimentation; experimental bed, Pendubot (inverted pendulum), CRS-Plus robot manipulator, 4-DOF SCARA manipulator, 5-DOF articulated manipulator, ABB Industrial Robot, Hydra mobile base, Lab mate, mobile base, Allen Bradley PLC Micro Logix 1500, PLC based Hydraulic and Pneumatic Trainers and many other facilities. The center is geared to provide research facilities in areas such as intelligent robotics and system design, intelligent control, neural and fuzzy neural based system modeling and control, evolutionary computation, robotic vision and virtual reality. Earlier BITSUMO, which is an autonomous assistant robot, was developed to work in restaurant/ library. In addition to these, an autonomous glider, an autonomous hovercraft, a 14-DOF robotic arm, an intelligent mechatronics ball, a micro-mouse platform and a micro-mouse testing base were developed at CRIS. The center is engaged with the development of humanoid. The first breakthrough is in terms of Acyut-1 and Acyut-2 (humanoid). Acyut-1 is a dancing robot and which has won several laurels even at international competitive events (Rob games 2008 held at San Francisco, USA and INDEEN Expo, Germany etc.), Acyut-2 is much larger and far more capable. It has far better control and using remote command by way of hand movements etc, it can be moved synchronously. These models were demonstrated for their capabilities at Korea, USA, Germany and Japan. The students are currently working on further developments related to Acyut-2 robot with added features. Acyut-3 had participated in FIRA-2010, Bangalore and created a world record in weight lifting (2.4Kg.) in year 2010. In same year a mobile Robot (named SHAURYA) participated in Annual student contest organized by DRDO, India and received recognition. Team Acyut have showcased their technologies at in the Tech fest of BITS Pilani Dubai campus and IIT Kanpur, Robotics symposium of RDE Pune (DRDO) and Tech test of NIT Calicut. For their effort the team has been appreciated by scientists of BARC Mumbai and DIT New Delhi. During the year under review, the students working at CRIS has developed a number of models and working robots. Namely, humanoid Acyut -4 had been invited to participate in ROBOCUP-2013. AcYut was redesigned completely and a novel system of parallel links is introduced. It stood 2nd in Robocup Iran Open 2013 and stood 4th in Robocup Netherlands 2013. Based on the progress in the area of humanoid robotics, Department of Information Technology (2012-2014) has sponsored a project worth 45 Lacs to develop a humanoid which is capable of stable walking and navigate in a structured environment. The team has continually improved the software for the robot to incorporate artificial intelligence and computer vision. Acyut can now play autonomous soccer against another robot and score goal too.

Continuing the good work from previous years, this year saw development in software modules with better algorithms for cognition. Other improvements include up gradation of the camera sensor to new Fish Eye lenses and implementation of feedback system for more stable gait. The CRIS research incorporates with all aspects of creating and controlling robots such as mechanical design, dynamics, perception, control and decision making. Current faculty researches includes projects in the following areas: Humanoid robot, computer vision, motion planning and control, Machine learning for robotics, sensors/actuators and robot design, Bio-robotics.

Centre for Renewable Energy & Environment Development (CREED)

CREED is an interdisciplinary Centre that co-ordinates educational and research activities in the active areas of renewable energy and environment. The objectives of the Centre are (i) to conceive, develop and implement renewable energy applications and environment protection projects, (ii) to develop courses and organize awareness programmes, and (iii) to collaborate with external organizations in the areas of renewable energy education, training and technology development. Some of the existing facilities at CREED include an experimental set up for solar water heating, solar air-heating system, solar stills, and solar photovoltaic power pack with storage battery bank, SPV lighting systems, and portable energy audit instruments.

Currently, active research areas of CREED include concentrated solar power and photovoltaic power based policy analysis, emissions and environmental impact of thermal power plants, planning and economics of renewable energy systems, real time operation and control of renewable systems, industrial cogeneration, integrated renewable systems, demand side management, clean development management integrated resource planning, and CO₂ based refrigeration.

The Renewable Energy Club is an exclusively a student managed body that operates under CREED. The Club has undertaken active work in organizing competitions, quizzes, carbon footprint analysis and carbon credits. Commercial organizations in these areas have evolved out of this club, and are currently owned and operated by BITS alumni.

Centre for Software Development (CSD)

The Centre for Software Development (CSD) is first of the two major centres that comprise the newly formed Software Development and Educational Technology Unit (SDET Unit) at BITS-Pilani.

The CSD has two wings namely *Media Laboratory* and the *Laboratory for Open Source Computing*. Recently, as part of restructuring, the erstwhile *Laboratory for Mobile Computing* was made a constituent research laboratory of the Department of the Computer Science & Information Systems., under the new name of Wearable, Pervasive Computing Networking Research Laboratory.

Its focus is on Web-media, E-learning Support, Networking (wireline and wireless: sensor, mobile and ad-hoc variants), wearable computing, Web-services as current thrust areas. It is involved in the Open-source Moodle LMS based *deployment for on and off-campus requirements of the Institute* in form of the *Nalanda and Taxila portals* on a regular basis.

The CSD, in the past, has played a major role nationally and internationally in several areas including the research, development and deployment specific to the next-generation internetworking technologies like IPv6. It has brought several firsts to BITS and has contributed to funded international research projects in this area.

Recently, CSD has also developed a software for biometric attendance system known as 'e-Attend' that is currently in advance stages of testing and a pilot run is planned shortly across all campuses of the Institute.

Members of the team have also presented, the research and development work being done at BITS at several international fora apart from being actively involved in IEEE and IETF activities in the area of networking research and standardization.

Design, development and deployment of the university-wide biometric-based attendance system known as e-Attend, was one of the most recent contributions of the Open Source Software Team at CSD.

CENTRES ESTABLISHED WITH STRONG INDUSTRIAL SUPPORT

Embedded Controller Application Centre

Prof. Surekha Bhanot (Coordinator), Prof. S Gurunaranayan, Mr. Rajiv Ranjan Singh, Ms. Swati Keskar, Mr. Ashish Mishra.

This Centre was set up in Collaboration with Motorola India Ltd. The objective of the Centre is to impart detailed understanding of important features of embedded controller architectures and familiarization o advanced concepts in the field of embedded controllers through

- Students projects/Industrial projects
- Imparting training to the industry professionals and running short term courses in the field of Embedded System design
- Developing course modules

The infrastructure of the centre includes Pentium machines, Microcontroller Modular Evaluation Systems, Microcontroller Development Systems, Emulators, Assemblers and Cross compilers for various microcontroller families (ARM, ATMEL, Microchip, Cypress, ST Microelectronics, Motorola, etc.) DSP processors, logic analyser and other bench equipments.

Faculty members of the group are involved in research work in areas of Embedded System, Wearable Computing. Faculty has published research work, attended National and International seminars, conferences and invited talks.

Centre has established a PSoC Lab with support from Cypress Semiconductor Corporation. Recently a student project named "Project SmartLAB" has been sanctioned the "Prof. I. J. Nagrath Student Project Fund" by BITS Alumni Shri Brij Bhushan (1964 batch).

The Centre provides support for FPGA based system design and has facility for Xilinx Atlys, Gensys, Zedboard boards and camera interface.

Technology Business Incubator (TBI)

Birla Institute of technology and Science (BITS), Pilani in association with Department of Science and Technology (DST), Government of India has established a Technology Business incubator in the area of Embedded Systems and VLSI Design to promote entrepreneurial leadership across all disciplines through physical and virtual incubation. TBI facilitate entrepreneurial activity on campus and off- campus and commercialization of R&D efforts at BITS. VLSI Design Laboratory with the state of the art design facilities is created. Embedded System Development platforms are also augmented. Secured and independent office facilities with computers and round the clock Internet access and email facilities are provided to incubate. Some of the prominent incubate companies that have graduated from TBI are Bridle IT, Mobile Medics, Next gen PMS, Steps Ahead, Vita Peracta , Grey Orange Robotics, Innovese, Anaya Media have already graduated out of TBI.

The seven incubates presently working in the TBI are as under:

1. **Sharp Edge Pvt Ltd.** is providing a technology platform for engineering students which seamlessly integrates the traditional chalk & talk method with smart classrooms based on cognitive learning. It enables Professors to use digital resources such as educational animations, assessments and diagrams to make classroom more interactive creating multi-sensory learning for students and help improve their academic performance. Institute's classrooms are converted into i-classrooms with a projector, CPU, keyboard and pointing device. The Institute has the flexibility to decide its infrastructure without any burden on its financial

resources. The solution is flexible to work with the basic CPU+ moveable projector solution to the use of Smart Boards, Pen Tablets, i-pads and other gadgets as per the institute's discretion.

2. **My-Ti Technotronics** introduces an innovative sleek design with close to natural approach for typing & writing on a tablet or on paper. Recent success of Samsung Galaxy Note emphasizes this point. We plan to take this as an opportunity for market and provide a productivity centric tablet creating a new market called "utility tablet market".
3. **Snapchai**--Evince is product where the users can take their photographs and order for printing images on the fly as well as create an amazing photo-book in less than a minute through their phone. The ease of use is exceptional. It is an app which makes high quality products without the need to know advanced editing techniques. These image prints and albums can be ordered in-app for a fraction of time and cost as compared to the existing album printers.
4. **Gozo Technologies Pvt. Ltd.** has the primary aim to organize the inter-city or long-distance cab industry through use of technology to make the system more efficient and user-friendly. Company's mission is "Organize the inter-city cab market and be a leader in introducing the use of advanced technologies to make the cab journeys more efficient, affordable, and completely hassle-free. Thus, raising the bars of service provided in long distance cab market."
5. **Piquor** provide automated Photo-Booth on rentals to clubs, restaurant, hotels, outlets etc on a contract period of more than 6 months. Customers are charged a flat rental fees per month.
6. **Tecture** aims to deliver technological services in the Civil Engineering, Architecture and Construction industry. These services encompass a wide variety of disciplines including Architecture, Structure, Mechanical, Electrical and plumbing for the building industry.
7. **Phyzok Learning Solutions LLP** is involved in developing e-solutions content delivery model. It aims at providing customized, cost-effective and highly efficient content delivery systems (CDS) to academia and corporate for Live and web-based content. Their flipped class room model has received appreciation.

The brief details on TBI, BITS were covered amongst the prominent TBI's in the country by various leading economic dailies during the year. TBI incubate Sharp Edge Pvt Ltd., My-Ti Technotronics and few other entrepreneurs Technotronics has been identified for sanction of a seed grant of Rs 10 lakhs each under the TIDE scheme of Ministry of Communications and Information Technology Department of Electronics and Information Technology

TBI team has been making efforts to identify students and working professionals who would be in a position to take up dedicated entrepreneurial activities across all disciplines. TBI also facilitates commercialization of technologies and patent that is outcome of research at BITS Pilani..

B1.12 CENTRAL FACILITIES REPORT

Central Library

Library collection reached 2,36,654 volumes and during the year, 1404 new volumes were added to the existing collection in various disciplines of Science, Engineering, Technology, Pharmacy, Management, Humanities and general reading materials.

272 print journals and 28 online databases were subscribed which consist of more than 11000 e-journals for accessing fulltext articles and databases related to company and industries. We received 707 reports and theses in print format submitted by the students under various study programmes like First Degree, Higher Degree, Work Integrated Learning Programme, Practice School, Special Projects and PhD Degree. 233 theses in CD form were received from ARC and these will be uploaded to UGC-INFLIBNET Shodhaganga ETD as per our MoU signed with INFLIBNET.

Following events were organised to enhance the reading habit among the students and faculty:

- SMS & Email alert services for not found books in the library
- Know your Library sessions were conducted from 26-29 August 2014 to First Year students
- Books display on Great Teacher's and leaders on Teacher's day and 'Thank you' cards were distributed to support, in enhancing the Teacher & Pupil bonding
- Database Training Sessions from Emerald & ProQuest to all the Faculty & Research Scholars was organised on 26th September 2014
- Rashtria Ekata Diwas was celebrated by displaying books written by and on Sardhar Vallabhbbhai Patel and Books on Unity from 31st October to 8th November 2014
- E-Books Presentation from Springer and Elsevier was conducted on 8th November 2014 to Faculty members

- "Book Finder" and " Journals Finder" a new feature has been introduced to guide the students in finding their books and Journals in the Library
- 10 new PCs were made available in the library e-zone for fast access to e-resources.
- Secondary collection books labelling work completed to increase the use of these books

Facts about the library

The statistics indicate that the Library collection has grown steadily. Some of the significant statistical data about the Library are as follows.

1	Current library holdings	2,36, 654
2	Average number of books issued per day	554
3	Average number of readers visiting the library per day	531
4	Books added during the year	1404
5	Project Reports, PS Reports and Theses added during the year	707
6	Number of print Journals subscribed	272
7	E journals made available on library site	11,000
8	CD-ROM collection (including VCDs)	2,357
9	Educational Video Cassettes collection	148
10	Total number of reading seats in the library	750
11	Total library area	65,000 sq.ft
12	Library membership	5072

Medical Centre (MedC)

The medical center is providing good services and facilities with the dedicated services of Medical Superintendent and Physician Dr. R. P. Pareek and his team. There is a Gynecologist & Obstetrician, Dr. Sanjana R. Bhat working fulltime at the Centre. A General Duty Medical Officer from Birla Sarvajani Hospital is there to assist in the evening hours. Dr. Sanjay Katewa, the dentist is available on every Saturday evening while the ENT specialist, Dr. H. S. Sankhla is available on every Monday and Thursday evening, Dr. Diwakar Pathak, the homeopathic is available on every Tuesday Dr. Karan Beniwal, the pediatricians is available on every Wednesday evenings. Dr. Ramesh P. Jajoo visiting an Ayurvedic Consult.

The center has a well-equipped clinical laboratory with a fully-automated bio chemistry-analyzer for Biochemical tests, fully automated haematological analyzer and fully automated urine analyzer, computerized ECG machine for the diagnosis of heart ailment and an ELISA plate analyzer for the diagnoses of other diseases. The laboratory has upgraded facilities to test glycosylated hemoglobin, which is one of the most important tests for diabetes. A Digital Dental X-ray unit and a basic Physiotherapy unit are located in the centre. The center has a computerized Spirometer, to help in the diagnosis of respiratory problem of the students and staff of the Institute.

During the year around 31000 persons were treated at the Medical Centre and about 3900 persons were tested in the laboratory for various hematological & biochemical tests. Patients utilized the physiotherapy facility and about 700 patients were tested by ECG, Spiro meter and Elisa Reader instruments.

A three bed observation room facility for emergency is available in the medical centre and all emergency medicines are also available in observation room.

Five camps were held to make people aware of osteoporosis. Bone Mineral Density (BMD) was measured by ultrasonography unit and computerized analysis was done. Reports with comments were given to all the persons attending the camps. Around 100 people were examined in each camp. These camps were sponsored by pharmaceutical companies.

The new record keeping system is working well after its introduction in the centre in May 2007. All the faculty and staff members with a PSRN have been given ID cards for all members of their family and separate files are maintained to keep the records. The Medical shop in the centre provides the medicines prescribed by the doctors on credit on production of the ID card and this has reduced the cash transaction and paper work. Same process is followed for the Clinical investigations also. Most of the medical center operation is computerized so as to make all the reports and records in digital form.

BITS Coop

The BITS Consumers Cooperative Stores Ltd. Continued to extend its services to the staff and students of the Institute. Its total membership as on 16th December 2014 was 1575 consisting of 759 staff members and 816 students. They were holding 3795 major and 2571 minor shares of the stores. The scope of its activities covers the following:

1. Supply of groceries and vegetables to the students messes;
2. Sale of groceries and vegetables to the staff members;
3. Supply of stationery and general merchandise;
4. Supply of consumables, stationery, equipment and other materials to the Institute and Books to Library;
5. Supply of books to the students;
6. Running a bookshop and organization of a permanent book exhibition;
7. Providing computer and mobile repair services; and
8. Running a Medical Store in the Medical Centre of the Institute..

Infant Care Centre

The Blossom Kids-Zone (BKZ) is run voluntarily by faculty wives and it takes care of the pre-school training and education of the children in the age group of three to five years. The center primarily caters to the needs of staff children belonging to BITS and the sister organizations. During the year 2014, the center had 80 students. During this period the center had organized various activities such as sports competition, drawing competition, fancy dress competition, etc. The Annual day program of the center was held on 13th February 2013 and Mrs Ranjana Sharma was invited as chief guest of the function. The children of the Centre also participated in the program held on Gandhi Jayanti, organized by BITS.

Institute Functions

Institute functions have been the integral part of BITS as an organization/ institution. In year 2014, Pilani campus, as usual practised in the past, saw the magnificent celebrations of its five institute functions throughout the year viz. (i) Republic Day (26th January), (ii) Basant Panchami- 63rd Founder's Day, (iii) Ram Navmi-Birthday of Founder Chairman Shri G. D. Birla (8th April), (iv) Independence Day (15th August), and (v) Gandhi Jayanti (2nd October). Herein, students, staff and faculty enthusiastically attended all these functions and graced the occasions. Over all this, there had been the constant and unconditional direction and support of Vice Chancellor, Director, Dean (Administration) and other deans (divisions) and unit chiefs (units) behind all these institute functions.

BITS House Allotment Committee (BITSHAC)

Estate Management Unit also looks at house allotments to staff members of BITS Pilani (BITS House Allotment committee (BITSHAC)). The Primary aim of the BITSHAC is to streamline regulatory guidelines for the allocation of accommodations to Staff members and implement a transparent and a fair policy in a consistent manner so that all applicants with similar eligibility characteristics are treated alike with openness while maintaining individual confidentiality to requesting Staff members, following 'Best Practices and Framework of Guidelines', keeping in mind the circumstantial variability and complexities.

BITSHAC acts in a manner to encourage equal opportunities and will seek to ensure that information on the Allocations Policy gets disseminated in a consistent manner. The BITSHAC invites applications against a circular / notice from Staff members on a monthly basis in a prescribed format or as and when vacancy arises and does the allotment as per guidelines framed. The document on guidelines has been framed and the same implemented in all campuses with slight variations based on local environment.

BITS Staff Housing Group

The BITS Staff Housing Group constituted in the year 1989-90 by the Institute. For helping the BITS Staff members for having personal houses in the new campus, "Gyan Vihar". The Institute has provided Rs. One lac Fifty Thousand as soft loan to staff members for the construction of the houses. Forty staff members have constructed their houses and many other staff members are planning to start the construction work soon. Both the sectors have been provided with urban electric supply. Two new-cemented road of 300 feet long has been added in sector number one. Streetlight has also been provided. All activates of the Gyan Vihar are under Public Relations Unit.

Recreation Activities Forum (RAF)

The Executive Committee of RAF selected and screened Hindi & English movies, which were enjoyed by the members and their guests during the year. During the two semesters RAF membership for both Hindi and English sections together was:

Second Semester 2013-2014	958
First Semester 2014-2015	1372

Loan facilities for Staff members

(i) Staff Furniture Loan

Under this scheme the staff members get interest free loan re-payable in twenty four monthly installments. Institute provided Rs.11,00,000/- loan to 110 staff members for the purchase of various furniture items.

(ii) Computer Loan

This facility was started in the year 1999 for the purchase of computer for personal use by staff members with a simple interest of 6% per annum. It is being utilized effectively by faculty. This year Rs. 90,000/- has been given to 03 staff members for this facility.

(iii) Housing Loan

The Institute provides the housing loan upto Rs. 1.50 lacs to staff members for the purchase/ construction/ renovation of houses.

Publications and Media Relations

Publications and Media Relations Unit brought out the following publications during the year: (i) Annual Report (ii) Annual Report – a quick glance (iii) BITS in the News (iv) Bulletin (v) BITSCAN magazine. Besides, the unit gave effective support for coverage of Institute events in the media which is evident from the large amount of media coverage BITS received (both in national and local press) during the year. PMRU regularly sent latest news to the web team of the Institute for updating on the Institute website. Also the PMRU team provided support to various departments and student bodies in branding matters while bringing out their publications, posters, brochures, invitations, etc. Student volunteers who worked as reporters in the Unit found the work experience very useful.

(i) **Reprography**

The Reprography Section takes care of all the in-house printing, binding and photocopying work, (e.g. printing of institute bulletin, application forms, annual report, various information brochures, time table, academic regulation, educational development division notes, answer booklets and project reports for submission to various Government and other funding agencies). The printing and binding sections have been fully equipped with facilities like desktop printing, computer type setting, drafting, off-set printing, laser printer, cutting, laminating, stitching, spiral binding, etc. Reprography has separate question paper printing/copying facility where the scripts related to assignments, tutorials, quizzes, test and comprehensive examination for all courses offered in on-campus or off-campus programmes are printed.

Apart from Institute work, the reprography section also caters to the printing and publishing needs of staff and students. Services like, photocopying of journal articles, laser printing, binding and lamination of project reports are available round the clock. Reprography also support printing requirements of various student activities like, OASIS, APOGEE, BOSM and other activities undertaken by various clubs and associations. The printing and publication requirement of conferences and workshops organized in the Institute is also supported by reprography.

(ii) **Communication and allied facilities**

The following facilities are available for the benefit of students and staff.

1. *Telephones*

Each hostel has been provided with a receiving telephone facility placed near the common room.

2. *Dispatch facility*

All the Institute dispatch requirements are catered through reprography either through ordinary/speed post facility available at the Vidya Vihar Post Office, Pilani or through private courier and cargo carriers for both domestic and international destinations as per needs.

3. *Color Photography Lab.*

The lab has following facilities: Camera: Olympus Digital SLR Camera E 300, Cannon EOS 500N,

Durst Color Enlarger (Model M-670), processing timer, temperature controlled paper processing tank, 35 mm SLR Camera (Pentax K 1000) with flash gun (mega 988 twin), temperature controlled film processing tank with 6 developer tanks, Cannon Zoom Lens EF 75-300 mm Pentax wide Zoom lens 35-80 mm and enlarger timer.

4. *Photocopying and allied facilities*

Photocopying, printing, word processing, binding and laminating facilities are available for students and staff on charge basis at Reprography section. Photocopying service is also available at the BITS Library.

Central Workshop

The Central Workshop of the Institute imparts training to the students and caters to the maintenance and fabrication needs of the Institute. Students' training consists of training all integrated first degree students through the course 'Workshop Practice' by imparting skills in various manufacturing processes like machining, fitting, turning, carpentry, smithy, sheet metal, electroplating, welding, etc. In addition, students are imparted training for other courses like 'Production Techniques', 'Metal Forming and Machining', 'Casting and Welding', 'Computer Aided Manufacturing', and 'Flexible Manufacturing Systems'. Apart from routine maintenance, fabrication and training, the workshop also accepts jobs on precision fabrication of project work of students, staff and research scholars.

The workshop comprises the following sections: Machining, Welding, Electroplating, Fitting, Smithy and Sheet Metal, Carpentry, Foundry and Patterns, Tool Room, Metrology, Painting, Metal Processing and Metallurgy, Electrical, Automobile, CNC Training Centre and Store. The major equipments include industrial vertical machining center (LMW KODI 40 Klein), five CNC trainers (three turning centers and two vertical machining centers), industrial robot (pick and place), five universal milling machine tools, universal cylindrical, centreless, surface (hydraulic), and tool and cutter grinders, gear hobbing machine tool, NC machine tool (retrofitted at workshop), thirty one lathes (centre, turret, capstan, precision and dc supply heavy duty), seven shapers, planner, slotter, twelve drilling machines, ten wood working lathes, two wood working planers, band, circular and universal wood saws, TIG, gas and arc welding equipment, power press, pneumatic hammer, etc.

Instrumentation

Instrumentation unit undertakes regular and annual maintenance of laboratory instruments across the Institute.

Instrumentation unit provides LCD projection facility for regular class-work in fifty plus classrooms, workshops, conferences, symposiums and other academic and cultural activities across the institute. The centre also performs preventive maintenance for these projectors.

The centre facilitates institute programs with high quality Public Address Systems, Digital Mixers and Hi-Fi loud speakers and Lighting equipment to make the events more effective and lively.

The centre maintains the 128 Port C-DOT EPABX of VFAST Hostel.

The center has been providing and maintaining cable TV system with Seventy plus channels for BITS and BET staff members. Through this network important educational and cultural programs of the Institute are shown over the BITS channel. Fiber link has been placed from service provider to control room and from control room to Meera Bhawan. Tata Sky dishes have been installed in all hostels's common rooms.

All classes have been equipped with projection facility supported by UPS. Unit has procured some state of art equipment like Kramer switch, Logitech presentation remote, 4 Unit x LED par 64 LED stage par cans light 36x3W RGB DMX RGB Infinite color mixing with Control mode: Work Auto, Sound active, master/Slave, DMX512, LED control panel, Irradiant SRC-146 Lighting Controller, 24 Channel Lighting Controller and Panasonic memory card camera-recorder

In-house training for technical staff across the institute in maintenance of lab equipment, PA system, EPBAX, projection system, cable network, lighting systems and computer hardware was organized in summer of 2014 (17th June - 10 July), 19 nonteaching staff attended the program.

Faculty members of the group are involved in research work in areas of Fiber Optic Sensors, Intelligent Instrumentation and Control, Signal Processing, VLSI design. Faculty has published research work, attended National and International seminars, conferences and invited talks.

Information Processing Center

Information Processing Centre (IPC) provides computing facility for students and staff of the Institute. The Centre is responsible for planning, need forecasting and maintenance of computing resources across the Institute. The Center has signed campus agreement with Microsoft and MATLAB for licensing their product & tools. With a view to upgrade the computing resources, across the Institute, 200 desktop machines and a few printers & peripherals were purchased. During the year, Centre has been involved in setting up of 200 node network for New Hostel.

With the augmentation of existing facilities, the Centre has been able to support conduct of online examinations, structured and unstructured labs for more than 30 courses offered by Computer Science and other departments. The center has also been involved in supporting the number of workshops and training programmes conducted in the Institute.

The IPC is open on all days throughout the academic session from 08:00 A.M. to midnight and it is closed only for 3 days in every semester. The details of existing facilities in the IPC are given below.

The Center has a Blade Servers and 10 numbers of Intel based SMP servers, supporting variety of operating systems and development tools. These systems operate under UNIX and Windows environment and support variety of compilers database and software tools such as C, C++, Lisp, Microsoft Visual tools, Matlab, PSPICE, Rational Rose etc. The Centre has 350 numbers of desktop machines, with Windows 7/ Linux and variety of software tools. The central computing facility specifically takes care of the bulk computing needs of students in their courses, which needs acquiring and use of computer programming skills. It also caters to large number of computer projects of First Degree, Higher Degree and Ph.D. Students.

Apart from the above mentioned centralized computing facility, the Institute has workstations and Pentium machines distributed at various other locations. These Centers are placed near to the locations requiring Computer Aided Modeling & Design, computer-based instrumentation and experiments as well as other activities. In addition to this the various departments have their own computing facility supporting specialized tools.

The BITS Intranet

IntraBITS is a collaboration-category intranet portal deployed and supported by the Software Development and Educational Technology Unit (through its Centre for Software Development) since 1999. Its principal objective has been to enable the faculty and students to leverage appropriate software technologies in the On-Campus educational (teaching, learning, sharing) process. The followings are some of the highlights of the BITS Intranet. This portal has gradually expanded to multiple independent sites linked to it.

- Several learning materials, prepared by faculty members over a period, have been deployed on the Intranet. The courseware spans from simple lessons on HTML pages, online presentations, to fully interactive learning applets. 'Intrabits', in this sense, also acts as a Test-Bed for the BITS-VU project.
- In addition, faculty members can upload lecture slides, assignments, notices, lecture notes etc. through the in-house developed Course Management Tool. This tool allows them to carry out grading (Mid-Sem and End-Sem) for their courses. This facility is open only to the Instructor-in-charge of each course. Students can log into the IntraBITS portal and see the material, notices and grading information as published by the faculty member for their benefit.
- In addition, an On-line Learning Management System (Nalanda) built in 2010, atop LAMP and Moodle platforms provides a complementary globally accessible service that aims to serve the entire community, both on-campus and off-campus.
- Recently, an online Notice-Management System developed by the CSD has been integrated with this portal.

The BITS Intranet is serving as a vibrant medium for exchange of academic and other ideas among students and faculty.

Computer Assisted Housekeeping

The Computer Assisted Housekeeping Unit (CAHU) is a central facility of the Institute, which provides centralized information management and processing for Computerized University Administration to all the sections of BITS. CAHU continuously endeavors into new areas in order to introduce and enhance the use of computers in the University Administration to minimize manual work and to bring in the efficiency and accuracy in the administration. Students, through academic projects, and the faculty members, have developed the entire software in-house. The academic and technical staff members at CAHU have expertise in software maintenance, management, development, and computer operations, to meet the wide-ranging computerized housekeeping needs of the Institute. The computing resources include HP9000 E35 system, HP rp3440 system with SAN array, HP Proliant DL360G4 and HP ML-350 servers, IBM servers, Pentium/Core2-Duo PC nodes, HP LaserJet8150 and 9050dn, HP Color Laserjet 5550dn printers and other peripherals.

CAHU has successfully developed software packages for the following administrative activities and these are fully operational:

(A) Student Related

- Student records initialization after electronic transfer of new admissions data from Admission Division;
- Providing inputs to Instruction Division for computer-aided timetable preparation and uploading of timetable data from electronics files for on-line registration;

- Eligibility Sheet, Registration Card and other pre-registration aids to ARC Division; Online Registration; Registration Validation, Timetable clash checks; Online Registration Amendments processing;
- Course lists for the instructors; Faculty timetable and course details at ARCD website. Grades processing and Grade sheets production;
- PS/TS Eligibility, Graduation Eligibility, Results and Medal Awards Processing; Results for EC/Senate/BOG for Pilani, Dubai, K. K. Birla Goa and Hyderabad campuses;
- Transcripts for continuing students; Transcripts and Provisional Certificates for graduating students of Pilani, Dubai, K. K. Birla Goa and Hyderabad campuses; Medal Awards Processing;
- Degree/Diploma writing for Pilani, Dubai, K. K. Birla Goa and Hyderabad Campuses programs; address labels and other dispatch aids;
- Electronic and web transfer of registered student data to Student Welfare, Practice School, and Instruction Divisions, Library, Publication and Media Relations and other units and BITS website.
- Alumni database development and maintenance; Alumni Directory and Alumni Website maintenance; Maintenance of websites for computer projects courses etc.

(B) Staff Related

- Staff information base for all administrative requirements such as term expiry, superannuation, review etc.;
- Payrolls and monthly Income Tax processing;
- Provident fund and Employee Pension Scheme processing and web display.

(C) Accounts Related

- Complete on-line maintenance of BITS accounts including Government fund accounts;
- Preparation and online processing of payment vouchers and receipts;
- Preparation and printing of daily cash book, ledger, journal and other reports as and when required;
- Trial balance (talpat) preparations; Bank account reconciliation statements;
- Monitoring of advances and loan accounts;
- Preparation of financial year trial balance and balance sheet;
- Budget preparation and monitoring; Preparation of reports for auditors;

For the following cases software packages were modified / enhanced during the year:

- As the move over to ERP system is being planned in near future, in this calendar year the main work was providing data to ERP systems and closely working with ERP implementers. Payroll data is loaded in ERP in parallel to legacy system and errors and exceptions are being fixed. Due to these, not much development work was taken up except for the following essential activities. From January 2015 the registration and student record maintenance will be done in ERP.
- Students' academic package to accommodate changes in Academic Regulations and other Senate decisions. Specifically new academic curriculum related corrections and new grading policy related modifications.
- Development of various aids/software packages for on-line registration. Because of these enhancements, the registration errors by students are further reduced. The online registration software modules are now running successfully for the last twenty-five semesters in real time and are found to function without any error, each time registering more than 3500 students in less than four hours.
- Degree processing and printing: 242 degrees (Pilani-78, Goa-54, Dubai-48, Hyderabad-62) for 74th award and 3123 degrees (Pilani-1252, Goa-791, Dubai-295, Hyderabad-785) for the 73rd award were printed using the enhanced software. The degrees were made available on time for the convocations held at different campuses during July-September 2014.

Central Analytical Laboratory Facility

Central Analytical Laboratory (CAL) at BITS Pilani, Pilani campus houses many sophisticated instruments, catering to the needs of the various research Departments like Pharmacy, Biological Sciences, Chemistry and Chemical Engineering etc. The facility is used for training and teaching of the students as well doctoral research. CAL has a spacious area of 2600 sq.ft and an is equipment with latest instruments which include - Stability Cabinets (For stability testing of drugs and organic molecules) , UV-Visible Spectrophotometers, UV-Visible-NIR Scanning Spectrophotometer, IR Spectrophotometer, FTIR Spectrophotometer, Scanning Spectrofluorimeter,

High Voltage Electrophoresis, Digital Polarimeter, Ultra and Refrigerated Centrifuges, Gas Liquid Chromatography and High Performance Liquid Chromatography (with auto-sampler and various detectors). Currently it is capable of carrying out research work at all levels including the industrial projects. Recently the laboratory has been upgraded with 400 MHz NMR spectrophotometer (Bruker AVANCE III) equipped with BBFO probe and auto-sampler. Also the latest addition is Elemental Analyser (vario MICRO cube) for estimating the elemental compositions of organic compounds. Apart from using the Central Analytical Laboratory facilities for teaching and training of the First Degree and Higher Degree students, it is extensively used for dissertation and doctoral research, faculty research and consultancy work. It is also used by scientists/faculty from other nearby organizations.

Central Animal Facility

Central Animal Facility at BITS Pilani, Pilani campus is a CPCSEA approved facility with total floor area of 5330 sq. ft. Recently, the facility have received the approval for breeding. The facility maintains the animal species like Rats, Mice, Guinea Pigs, Rabbits and Hamsters. The facility was build up in accordance with guidelines issued by CPCSEA and other regulatory bodies. It is also equipped with Incinerator (electrically operated) facility for disposal of the biological and other biomedical waste. The air conditioned facility is maintained by well trained personnel, with a full time veterinarian to take care of the various requirements of the animals. Central Animal Facility caters to the needs of the various research departments like Pharmacy, Biological Sciences and Chemistry, etc. The facility also incorporates pharmacokinetics and pharmacology research laboratory for carrying out advanced research in the areas of pre-clinical pharmacokinetics, bioavailability studies, pharmacological screening of various synthetic/natural origin drugs. The laboratory has sophisticated instruments such as two chamber automated organ bath, laser doppler, non invasive blood pressure recorder, RT-PCR, electroconvulsimeter, actophotometer, analgesiometer, light dark apparatus, rotarod etc. Equipments such as surgical anaesthesia machine, electrical cautery, and spare air-conditioners are also utilized. The laboratory is upgraded with video documentation system for various animal behavioural studies. Facility is geared to take up various industrial or governmental funded projects in various pre-clinical areas.

B1.13 MAJOR MAINTENANCE, RENOVATIONS OR NEW CONSTRUCTION REPORTS

Maintenance, Renovation and Construction

Apart from carrying out routine maintenance of the institute and campus buildings the following works were taken up during the year either as new construction or as renovation:

Works Completed

1. Renovation & Aluminium Partition work in FD-I (Room No.1227)
2. Painting work in Room No.(3214A, 3211)
3. Supply & Installation of 1000 KVA all wound transformer
4. Purchase & Installation of RO in hostels
5. Purchase & Installation of Water Cooler in CVR Bhawan
6. Purchase & Installation of Distribution Transformer at various location in campus
7. Topographical/landscape survey of the Institute area
8. Renovation of boundary wall at 33kv GSS
9. Renovation & Aluminium Partition work in Room No.(2146)
10. Purchase & Installation of Air Cooling system in New WILPD
11. Non Destructive test in Budh Bhawan, Gandhi, Sankar, Vyas
12. New Bore well in New Faculty housing
13. Renovation of B-type quarters
14. Renovation work of boundary wall at New faculty housing
15. Renovation and Aluminium Partition work in Physics Lab Room No.(3262)
16. Painting & Civil work in BITS Coop
17. Energisation of 33KVA Sub Station

Works in progress

1. Construction of new chemical store
2. Non destructive testing in all student messes

Annual maintenance and repairs of Hostels, Messes, Laboratory equipments and class rooms were carried out during summer and winter vacation.

B1.14 MAJOR EQUIPMENTS ACQUIRED DURING THE YEAR**Centralised Purchase**

Centralized purchase unit processes and monitors purchase of equipments and consumables of the institute & also looks after the repair requirements of the equipments. The purchase process includes request of quotations, preparation of comparative statements, indents, bill checking and status reports of purchase. The entire process is managed by computer database containing more than 3800 types of consumable, 900 equipments, and 1800 suppliers. The whole process being computerized ensures efficient monitoring, timely acquisition of materials, keeping track of delayed or deferred supply and concurrent remedial action.

Purchase of consumables: The annual purchase list for consumables are finalized by considering the institute requirements and existing stock. The consumables are computer stationery, chemical and glassware, electrical and electronic spares, workshop items, reprography items and sports items. The category in-charges process the requirements of individual groups, units, and divisions, and compile them into a consolidated list. The consolidated list of consumables, along with the estimated budget, is presented before the purchase committee. The purchase committee gives approval to this list after scrutinizing it and suggesting necessary modifications.

Purchase of equipment: The equipment purchase of the institute is normally done under various government sponsored grants like CSIR, DBT project, DIT, DST, UGC BSR, UGC DRS, UGC JRF, UGC major, UGC MRP, UGC start up grant etc. and also through the BITS non-recurring grant. The purchase of equipment essentially involves interaction with the user and approval from the purchase committee with regard to the type of equipment, cost, budget head, terms and conditions of purchase, import components etc. On approval, the normal process of purchase is undertaken and in cases of imported items, the required protocol is followed.

New equipments acquired: New equipments purchased in this calendar year include more than 900 in various engineering and science disciplines for BITS-Pilani. Some of the equipments are also purchased for BITS-Pilani, Goa Campus and BITS, Pilani-Hyderabad Campus. Computational facilities have been substantially strengthened by addition of computer systems and networking hardware. The list of major equipment added during this year for various courses are included in the '**Annexure B1-11**'.

Equipments and Accessories for BITS Admission Test (BITSAT)

BITSAT is for admission to integrated admission program for all the three campuses of BITS-Pilani at Pilani, Goa and Hyderabad through a computer based online test conducted by BITS. CPU Procured items like servers, cables, firewalls, laptops, printers, scanners, etc. for this purpose. The list of major equipment included in the '**Annexure B1-11**'.

B1.15 STUDENTS ACTIVITIES, ACHIEVEMENTS, SCHOLARSHIPS, CULTURAL AND ACADEMIC FESTIVALS**Students Union**

The Students' Union elected the following executives for 2014-2015:

President	-	V.V. Sai Praneeth
General Secretary	-	Ashutosh Ajay Mundhada

Hostel Representatives

Bhawan		Name
Ashok Bhawan	-	Harshit Kishor Mehta
Bhagirath Bhawan	-	Akshit Johri
Budh Bhawan	-	A. Reddy Kumara Simha
Dayscholar	-	Dushyant Kumar
Gandhi Bhawan	-	Shubham Raje
Krishna Bhawan	-	Garigipati Sai Srikanth
Malaviya Bhawan (C)	-	
Malaviya Bhawan (A & B)	-	Aniket Singh

Malaviya Bhawan (D)	-	
Meera Bhawan 12378 and OLD	-	Sanjana Taje
Meera Bhawan	-	Spandana Buddhavarapu
Ram Bhawan	-	Vacant
Ranapratap Bhawan	-	Nitish
Shankar Bhawan	-	Ayush Jain
Sriramanujam Bhawan (CD)	-	Ajit Pol
Sriramanujam Bhawan (AB)	-	Prateek Bothra
Vishwakarma Bhawan	-	Akhil Reddy Parvath Reddy
Vyas Bhawan	-	Palvatla Shashikanth Reddy

Secretaries of Clubs

The following were elected Secretaries for various Clubs and Societies:

ARBITS	-	Rahul Krishnan
Audi Force	-	Rushyanth Reddy
CrAC	-	Anish Dhiman
Dance Club	-	Aryan Pandit
DebSoc	-	Abhishek Ghosh
DExA	-	Mayank Gautam
DoPy	-	Akhilesh Ravishankar
DoT	-	Akshay Menon
DVM	-	Siddhant tuli
EDC	-	Shyam Kotla
ELAS	-	Krishna Akhil
FASHP	-	Nikita Tanwani
Firewallz	-	Akhil Sai Anumolu
FMaC	-	Arjun Krishna
Gurukul	-	Bhavya Vaid
HAS	-	Kushgra Sharma
HDC	-	Medha Pandey
Informalz	-	Amandeep Singh
Jhankaar	-	Harsh Bhalani
Lights	-	Sanjeed Schmnad
Matrix	-	Rishabh Kaul
Mime Club	-	Akash Parakram
Music Club	-	Kiran Ramnath
Nirmaan	-	Gvss Kalyan
NSS	-	Kartavya Khanna
OEP	-	Rusheen Rathore
OHP	-	Akriti Srivastava
Photog	-	Samish Bedi
Poetry Club	-	Sai Krishna Srigiriraju
Radio Aktiv	-	Aman Gupta
Ragamalika	-	Soumya Venkatesan
REC	-	Mohit Bharadwaj
Sounds	-	Chirag Yadav
ADP	-	Ashfaqe Ahmad Bari
Controls	-	Revant Gupta
Sponz	-	Aishik Dhar
Rec n Acc	-	Vinayak Krishnamurthy

PCr	-	Shashvat Tripathi
Stage Controls	-	Himanish Ganjoo

The Students' Union organized a host of events throughout the year.

Sports Club

The office bearers of the Sports Club constituting the sports committee for the year 2014 were

Secretary	-	Anirudh Sharma
Joint Secretaries	-	1. Mihir Dharap
	-	2. Arushee Garg
	-	3. Ricky Lohkar Pradhar

The names of the captains for various games/sports are given below:

S.No.	Games / Sports	Name
1	Athletics (boys)	Shashank Baveja
2	Athletics (Girls)	Shambhavi Mehrotra
3	Badminton (Boys)	Nimit Kothari
4	Badminton (Girls)	Ishita Kataria
5	Basketball (Boys)	Surya Pratap Singh
6	Basketball (Girls)	Riddhi Jain
7	Carrom	Saketh
8	Chess	Tejas Panyam
9	Cricket	Shaleen Manocha
10	Football	Rishabh Kumar
11	Hockey	Milind Sah
12	Lawn Tennis (Boys)	Pallav Jindal
13	Lawn Tennis (Girls)	Shiuli Das
14	Power Lifting	Manupal
15	Squash	Siddhansh Agarwal
16	Swimming (Boys)	Revanth Kaza
17	Swimming (Girls)	Sneha Kumar
18	Table Tennis (Boys)	Kartik Singhal
19	Table Tennis (Girls)	Ritika
20	Volleyball (Boys)	K.S Dhrona
21	Volleyball (Girls)	Vishakha Gupta
22	Taekwon-do	Pulkit Dubey

Sports Events organized during 2014

BITS Open Sports Meet

The BITS Open Sports Meet (BOSM) was conducted successfully from 19th to 23rd September 2014. As in the past the institute organized an intensive coaching camp from 5th to 18th September 2014. Rajasthan State coaches were invited to prepare Institute's teams in various events. More than 1200 outstation students from all over the country participated in the meet. The meet was characterized as having displayed sportsmanship spirit and was full enthusiasm..

The results were as follows:

1.	Badminton (Boys)	Winner – SRCC Runner-up – General Sir John Kotelawla University, Sri Lanka
2.	Badminton (Girls)	Winner – BITS Hyderabad Runner-up – Kanoria College
3.	Football (Boys)	Winner - Motilal Nehru College Runner-up – Sri Venkateshwara College
4.	Power-lifting	Winner – BKBIET Runner-up – BITS Pilani

5.	Hockey (Boys)	Winner – TIT&S Runner-up – BITS Pilani
6.	Swimming (Boys)	Winner – BITS, Pilani Runner-up – SRCC
7.	Swimming (Girls)	Winner – BITS, Pilani Runner-up – IIT Jodhpur
8.	Table Tennis (Boys)	Winner – BITS Pilani Runner-up – General Sir John Kotelawla University, Sri Lanka
9.	Table Tennis (Girls)	Winner – BITS Pilani Runner-up – BITS Hyderabad
10.	Volleyball (Boys)	Winner – Khalsa College Runner-up – SBMJ College
11.	Volleyball (Girls)	Winner – Jesus and Mary College Runner-up – BITS Pilani
12.	Basketball (Boys)	Winner – Jamia Millia Islamia Runner-up – Aligarh Muslim University
13.	Basketball (Girls)	Winner – LNIPE Runner-up – Sri Venkateshwara
14.	Cricket	Winner – SRM University Runner-up – BITS Pilani
15.	Chess	Winner – BITS Pilani Runner-up – General Sir John Kotelawla University, Sri Lanka
16.	Tennis (Boys)	Winner – SRCC Runner-up – St Xaviers Jaipur
17.	Tennis (Girls)	Winner – Kanoria College Runner-up – BITS Pilani
19.	Carrom	Winner – BITS Pilani Runner-up – RAIT
20.	Squash	Winner – LNIPE Runner-up – Sri Venkateshwara

The **Intra-BITS Sports Meet** was conducted during Second Semester 2013-2014 (1st to 15th April 2014) and the valedictory function was conducted on 21st April 2014, with enthusiastic participation from more than 1000 students. The winners were awarded with trophies and certificates.

Outstation Participation

Various sports teams consisting 64 students were sent to participate in Spardha'14 a Sports Meet held at IITBHU, Varanasi during 20th to 23rd Feb 2014. 52 students of certain sports went to MNIT Jaipur to take part in MST 14 from 18th to 20th February.

Swimming Club

The Swimming team distinguished itself by its performance in BOSM 2014 winning by 9 Gold, 12 Silver, and 15 Bronze Medals.

Health Club

The Health Club is equipped with various advanced machines for aerobic and anaerobic exercises. During II Semester 2013-2014, the Health Club had a membership of 800 while in I Semester 2014-2015 it was 946.

Martial Arts

Martial Arts classes are conducted for the benefit of students at Students Activities Center. Around 40 students attended the classes regularly. Out of these, 20 students have learned the competitive skills of Martial Arts. Martial Arts wpmen team(Taekwondo) first time participated in BOSM 2014 and won 3 medals.

Hockey Camp

A camp on learning basic skills in Hockey was conducted by Sports Club from 17th Feb. 2014 to 22nd Feb. 2014 in which a total of 65 students were registered and 43 students regularly attended the same. The certificate-giving Ceremony was held at the end of the semester.

Tennis Camp

A camp on learning basic skills in Tennis was conducted by Sports Club from 20th March 2014 to 25th March 2014 in which a total of 75 students were registered and 50 students regularly attended the same. The certificate-giving Ceremony was held at the end of the semester.

National Service Scheme

Introduction

The Birla Institute of Technology & Sciences, BITS Pilani is an all India Institute for higher education. The primary motive of BITS is to "train young men and women able and eager to create and put into action such ideas, methods, techniques and information".

BITS Pilani, since its establishment has been striving to develop the community and with a mindset of instilling the thoughts of social awakening in its students as well, established National Service scheme as early as 1969. Over the past few decades, NSS has been working tirelessly in the surrounding villages to develop the community in the spirit of nation building. NSS also provides students the opportunity of developing leadership skills, and develop a sense of social and civic responsibility.

Faculty Body Structure

NSS Faculty Coordinator: Dr. Anupam Singhal

NSS Program Officers:

1. Dr. Hitesh Dutt Mathur
2. Dr. Umesh Diyani
3. Dr. R.P. Pareek
4. Dr. Sanjana Bhatt
5. Dr. Champak Baran Das
6. Dr. Sanjiv Kumar Choudhary
7. Dr. Hari Om Bansal

Activities

The following is the brief overview of the NSS BITS Pilani activities undertaken during first semester 2014-2015:

1. Literacy Program

NSS School started this semester on 6th of August. With the starting number of 45 kids we have reached a number of 104 students, which in itself is a record. The number of active volunteers this semester was 75. Various workshops were conducted for kids which consisted of sketching, colouring, origami, etc. Every alternate week these workshops were conducted and the other alternate week a test was conducted for every kid.

A new system was implemented to keep a record of each student's database, wherein every volunteer was instructed to visit his/her child's home and upload the data on google drive. Also, volunteers started a puzzle system where every alternate day a puzzle was put up on notice board and the children were required to think of a possible solution to it. The children could not take help from the volunteers and were supposed to solve it on their own. The student with maximum correct answers was given a present on the last day of school. In this way, volunteers kept it interesting coming to the school for children and not like monotonous school life.

Children develop a strong bond with the volunteers and this bond is further enhanced by celebration of various festival in the school. On Children's Day, a fun interactive session was organized, where games like kho-kho, kabaddi, football, etc were played in the school. Children thoroughly enjoyed antakshari, dancing and charades.

The school was closed on 23rd of November. For the next semester it has been planned to organize an informative session by our teachers on child abuse and how to deal with it.

2. Computer Literacy Programme (CLP)

The Computer Literacy Programme (CLP) was carried out by National Service Scheme, BITS Pilani, in First Semester 2014-15 in Pilani and neighbouring areas, with the locations where the programme was carried out being as follows:

A. Pilani Resource Centre, Harinagar

The Pilani Resource Centre (PRC), located in the vicinity of the campus, has a well-equipped computer lab with a total of ten computers. Established jointly by BITSAA, the alumni association of BITS Pilani and Pratham, an NGO which functions at an all-India level, it is ideal for holding computer classes as the staff members provide support to carry out the programme there. Based on earlier experience and results,

batches were planned to be held six days a week in the form of two slots, viz. one for girl students and students from class 6 and 7, and the other for students of higher classes (including college-going students). The first slot's timings were 5:30 PM to 6:30 PM and the second slot's timings were 6:30 PM to 7:30 PM. Overall, these slots catered to a total of 100 students throughout the semester.

B. B S Saboo School, Pilani

The B S Saboo School, located at a distance of 1.5 Km from the campus, is another location where computer classes were held. Students of classes 9 and 10 were taught during school hours (in the time slot of 12 PM to 1 PM) thrice a week and were encouraged to attend classes in the evening in PRC so as to learn further. The school's computer lab (equipped with 8 computers) was used for teaching the students in a hands-on manner. The programme had an impact on around 50 students through this slot.

C. Raila village

Raila, a village located around 2 Km from Pilani, is also one of the places where the CLP functioned this semester. A government school in Raila was well-equipped with 4 computers but a shortage of teachers forced the principal to shut down the lab. On being approached by NSS, the principal expressed his willingness to hold computer classes in the school for those interested in learning. Thus, the CLP was extended to this village. Classes were held from 3 PM to 4 PM, thrice a week (after school hours) in the computer lab, and all the residents of the village were open to attend. Around 50 students have had a good exposure to computers through this initiative.

The topics covered include the basics of computers, typing, file-handling operations on an OS, MS-Paint, MS-Word, and MS-PowerPoint, to an extent. The content was taught by verbal means along with some visual aids in the form of demonstrations using a projector, showing tutorial videos on the volunteers' laptops, notes, etc.

3. Health and Public Awareness (HPA)

Health and Public Awareness focuses on making the people aware about the government policies and how to get maximum benefit from them. It also tries to uplift their life by making them aware about diseases by conducting various camps and surveys like general health assessment survey and camp, sanitary health camp etc.

Considering the objectives, a lot of activities were taken up, this semester, in Raila village which is located 2km from Pilani. Some of the activities were 'Tree plantation', health survey, Raila school project, RTE seminar, health workshop, etc.

In tree plantation camp, 70 saplings were planted in almost in every part of the Raila village. Health survey was conducted before health camp in which a doctor from outside visited the village and medicines were distributed accordingly. The result that came out to be was much of a concern. Health survey indicated the need of increase the quality of drinking water rather than the check up. Raila school project has been initiated to provide children of Raila with firm foundations in every subject along with ethical values. There are three visits per week by the volunteers to the Village. RTE seminar was an attempt to aware villagers about the article RIGHT TO EDUCATION act.

4. Special Events

The Events Department organized following events in this semester.

A. Junoon(7th-8th September 2014)

The third edition of the sports fest for especially abled, Junoon was organized in BITS Pilani – Pilani Campus on 7th and 8th September. The fest saw a participation of over 180 people from 8 different NGOs. The NGOs based in 5 different locations – Pilani, Jhunjhunu, Chirawa, Jaipur and Delhi were Amla Birla Kendra, Asha KaJharna, AkshayPratishthan, Disha, Muskaan, Handicapped Children Rehabilitation Association, Navjyoti and AarthAstha. Several events like cricket, basketball, badminton, Bocce, athletics (races, shotput, softball etc.) were hosted.

The two days event was graced by Dr. Satender Singh, medical doctor at the University College of Medical Sciences and Guru TeghBahadur Hospital, Delhi and a disability activist.

With a decent BITSian participation, the fest saw the fulfilment of its motive.

At the end of the event, the NGOs were felicitated by the Vice Chancellor Prof. B.N. Jain and Director Dr. G. Raghurama.

B. Cleanliness Drive (27th September 2014)

With an aim to mobilize BITSians and aware them about the value of cleanliness, an intra-campus Cleanliness Drive was organized on 27th September. The drive was graced by Vice Chancellor Prof. B.N. Jain and Director Dr. G. Raghurama. The event saw commendable participation from teaching staff, non-teaching staff and students. The route plan covered the entire campus and was able to attract the viewers in huge number. The President and General Secretary of student union along with few representative were also present. The drive, on its successful execution saw the felicitation of the team by the Director.

C. NSS Oasis Stall (31st Oct – 4th Nov 2014)

NSS BITS PILANI organizes NSS Oasis Stall during Oasis which is a four day cultural fest of BITS Pilani. It aims to promote NGOs and spread awareness about them by showcasing their products. NSS Oasis Stall 2014 exhibited products of 15 NGOs like Amla Birla Kendra, Women Synergy, WWF, MESH, etc from Delhi, Jaipur and Pilani.

D. Run for Unity (31st Oct 2014)

“Run for Unity” was organized by NSS BITS Pilani on 31st Oct 2014 on the occasion of birth anniversary of Sardar Vallabhbhai Patel. There were around 70 participants including faculty members. Firstly a pledge was administered by the Director Dr. G. Raghurama followed by a floral tribute at the Sardar Vallabhbhai Patel Statue. Then the run was flagged off and the participants took one round of the New Academic Building.

E. Blood Donation Camp (7th February 2015- 8th February 2015)

NSS BITS Pilani is involved in conducting Blood donation camp every year in collaboration with Indian Red Cross Society. With aim of spreading awareness, NSS BITS Pilani has been successfully collecting large number of units of blood every year. Last year, there was a collection of more than 800 units of blood. NSS BITS Pilani was also awarded for its outstanding and consistent performance in organising BDC over the year.

F. Youth Conference (13th Feb 2015-15th Feb 2015)

NSS, BITS Pilani is organizing second Edition of Youth Conference from 13th Feb-15th Feb. It encourages different NSS chapters across the nation to assemble and focus over solving some of the issues plaguing our country. Last year's edition saw over 200 delegates and participants. Second edition promises to be better in terms of quality, content and participation.

G. Dhiti (Last week of March, 2015)

Last event of academic year, Dhiti is organized as a part of Technical Festival of BITS Pilani. It takes place in the form of competition where participants are asked to submit technologically feasible solution to an already existing social problem. Previous editions of Dhiti saw extensive and encouraging participation and are expected to continue in the upcoming year as well.

OASIS2014

BITS Pilani celebrated the 44th edition OASIS, its annual cultural festival from 31st November to 4th December 2014. This festival, managed entirely by the students, was mainly sponsored by LAVA, Century Pulp and paper. It attracted about 1500 outstation participants from about 60 colleges situated all over the country. The festival hosted as many as 75 events which were based on music, art, dance, photography, drama, literature and every other cultural aspect of the college life. The theme of the festival was ‘That 90s Show’.

The music concerts by Mr. Benny Dayal, The Raghu Dixit Project, a DJ night by Sunburn and a comedy show featuring East India Comedy were among the several highlights of the festival. The festival also witnessed a talk by Dr. Kiran Bedi and various workshops of dance, music and pottery. Events like Desert Duel, street plays, fashion parade, Mr. and Ms. Oasis, Oasis Debate, BLAB etc. caught the limelight as students from all over the country were able to stage and showcase their talents.

The National Service Scheme and NIRMAAN along with several NGOs set up an exhibition for the sale of village potteries, garments and other handcrafts. In the words of Mr. Praneeth, The President of The Students' Union, “OASIS is a 96 hour long cultural extravaganza entirely organized by students and is one of the best cultural festivals in Asia”.

APOGEE 2014

APOGEE is the annual international technical festival (ISO 9001:2008 certified) of BITS Pilani. The 32nd edition of APOGEE was held from 2014. It had an outstation participation of around 800 students from more than 100 colleges across the country. The festival was chiefly sponsored by Century Pulp and Paper, High Sierra, Microsoft, Gigabyte, etc. This edition hosted 100 odd events in various fields like build and design, code and simulate, automation, economania, develop and discover, with the Kernel events being FTGP, stock market simulation, hackathon, robots at war and airborne. Various workshops like telescope making, trading in Forex, embedded systems were also organized. The Think Again conclave was the major attraction of the festival with keynote speakers like Walter Lewin(MIT), Ryan Woodward(Animator), John Beck Hofmann(director of photography, NASA) Johanna Blakeley(Norman Lear center), Mansoor Khan(film director), etc. APOGEE 2014 kept up its tradition of innovation breaking unprecedented frontiers.

INTERFACE 2014

All India Management Convention, Interface 2014

37th All India Management Convention, Interface 2014 was organized by the Department of Management of BITS Pilani on 31st January to 2nd February 2014. Interface serves as a platform for students and professionals to come alive with the skills and ideas that are necessary to run the ever dynamic and fast growing industries in India. It's a Pan-India Management Convention where students showcase their exceptional managerial dexterity, innovative business ideas and incomparable entrepreneurial skills. Interface which started as an annual event in 1978 has been running every year with increasing participation from various colleges across the country.

The three days Management extravaganza with the theme, 'RanNeeti (Military strategy)' had several events including Paper presentations, Finleshan Equity Research Event (Finance), Angry Traders Online Virtual Trading Event (Finance), Strategic CSR Plan Competition (HR), Case Study Competition (HR), Redemption : Ad Campaign Event (Marketing), Street Smart Marketer (Marketing), Op-Arena (Operations), Sarachana : Short Story Competition (Reflexionar), Doodle in a Muddle : Doodle Making (Reflexionar) and Ran-Neeti@War-rooms : Expert talks on 'How corporate strategies are designed.

Prof. G. Raghurama, Director BITS Pilani, Pilani campus graced the inaugural function. Mr. Harsh Juneja, Vice-President, Tata Teleservices Ltd. was the chief guest and delivered the keynote address. He said that to succeed in the corporate world, the managers need to follow the principles of SIDI (S = Simple, but structured; I = Information gathering, be a good listener and move forward; D = Drive, have fire in the belly; and I = Improvement, make continuous improvement).

Mr Sameer Pathak, Senior Manager – PAC, Coca-Cola India Inc. ,Guest of Honour, said in his address that a good manager does not merely sell, but adds value. He asked the young managers to regularly question the status quo so that he/she can improve and move forward.

Ragamalika

The year 2014 was an innovative year for Ragamalika, the classical music and dance club of BITS,Pilani. The club's activities kicked off with the introduction of the new dancers in the Freshers' Concert which showcased two dance forms - Bharatanatyam and Kathak. On Founders' Day the club performed Thyagaraja Aradhana as a tribute to the great composer Thyagaraja, as they do every year. The major show for the semester, Sangamam, witnessed eight dancers on stage, the maximum in recent history. The theme, Panchabhootas or The Five Elements, was portrayed with scintillating choreography and formation of patterns. The show even consisted of a lamp dance wherein the dancers performed with lit diyas in their hands. The semester concluded with the veteran violinist Ajay Aditya performing beautiful pieces in his psenti-concert.

The second semester began with the new musicians of the club showing their enthusiasm as singers, percussionists and made the Freshers' Concert a magical evening. Nrityaranjani, the flagship show of this semester was a different attempt by the club to reach out to the audience and make them understand and connect to the nuances of dance.

SPIC MACAY

SPIC MACAY, BITS Pilani chapter organized Hindustani Classical concert by well known sitar player Pt. Shubhendra Rao, disciple of legendary sitar maestro late Pt. Ravi Sankar. He was accompanied on tabla by Ud. Akram Khan. The artists enthralled the audience by their soulful performance that included aalap, jod, jhala followed by gat in raag Yaman. The audience enjoyed and applauded mesmerising jugalbandi by both the artists. The concert was organized on 27th of April 2014 and was witnessed by faculty, staff, students and students from Birla Balika Vidyapeeth.

MATRIX

Second Semester, 2013-14:

In the third week of January 2014, MATRIX members attended the Jaipur Literature Festival, which is the largest annual literary congregation in the world. This tradition of attending JLF has been upheld by MATRIX since the year of its inception. This fest offers unparalleled exposure to the world of literature. Enthusiasts attend talks, panel discussions, book introductions by many eminent personalities. A few of the club members got to interact with a few authors on a one to one basis. The club looks forward to attending further editions of the festival.

In February, a review database was created by the club members which was started with the aim to create a large repository of reviews and essays about books and movies written by club members ranging from first years to ex-students. It is still in progress and we hope to create a large collection of reviews spanning various genres of literature and cinema.

Since March, the club engaged itself in preparations for APOGEE, the Annual Technical Festival of BITS, Pilani. Two events were conducted by MATRIX in the fest. The much appreciated MATRIX Mythology Quiz was prepared by Sayan Maitra, Rishabh Agarwal, Rishabh Kaul, Pankaj Singla and Niel Dave. In honour of Mansoor Khan, who was present on campus for APOGEE, 'Jo Jeeta Wohi Sikander' was screened, which saw an overwhelming turnout and appreciation.

On 11th April, an external book introduction event was conducted. The details of the panel were as follows:

- Kafka on the Shore (Haruki Murakami) was introduced by Niel Patel
- The Tournament (Matthew Reilly) was introduced by Neil Dave
- Growing Up Bin Laden (Jean Sasson) was introduced by Shreyas Dixit
- Grapes of Wrath (Steinbeck) was introduced by Krishna Pramod

The panelists chose a diverse set of books to be introduced and each introduction was followed by an interactive session.

On 21st April, another book introduction session was organised. The details of the panel were as follows:

- Life and Times of Thunderbolt Kid (Bill Bryson) was introduced by Arya Roy
- Sense of an Ending (Julian Barnes) was introduced by Vibha Belawadi
- Thank You for Smoking (Christopher Buckley) was introduced by Karthik Ganesh
- The Great Short Works of Leo Tolstoy was introduced by Sankalp Gilda

A majority of this panel consisted of students in their last semester on campus. This event was eagerly awaited by club members and others alike. This has been a standing tradition of bidding farewell to our beloved seniors.

The semester ended with the Valedictory Ceremony where all the people who were actively involved with the club and its activities were acknowledged. It was graced by the presence of faculty members like Dr. Geetha B, Dr. Kumar S. Bhattacharya, Dr. S.K Choudhary among others. Many valuable insights were provided by the people present.

First Semester, 2014-15:

MATRIX started the new academic year with the recruitment process which saw a very enthusiastic participation from the first year students. Alongside the recruitment process, a movie screening was conducted. 'Dead Poets Society' was screened commemorating the loss of Robin Williams. It helped the club interact with many like-minded first year students. Ten first year students and one second year student were recruited.

In the last week of August, an external themed panel event was organized with the theme – 'The Enigma of Arundhati Roy'. The panelists and their books were as follows:

- Chetan Aditya – Walking with the Comrades
- Kshitij Saxena – Algebra of Infinite Justice
- Pankaj Singla – Listening to the Grasshoppers
- Sai Venkat Anumula – The God of Small Things

The book introduction was followed by a discussion about Arundhati Roy's works and her political philosophies which saw active participation from faculty members like Dr. Rishikesh Vaidya, Dr. Kumar Bhattacharya and Mr. Tathagatho Chakraborty .

On September 5th, on the occasion of Teachers' Day, MATRIX collaborated with BITS Library to set up a book exhibition in the library with the theme 'Great Teachers and their works', under which around 200 books were displayed and made available to the students for circulation. This collection consisted of various genres like fiction, philosophy, auto-biography and self help. Members from MATRIX were present in the library taking turns for 4 days helping students pick from these books.

On September 12th, the club organized an internal review session on the book 'End of Eternity' by Isaac Asimov. The panelists of the review were as follows:

- Arshad Latif Saikia
- Shaista Hussain
- Ankit Dube
- Rishabh Lohia

The panel was moderated by Sai Venkat. Along with these, other works of Asimov were also discussed. This helped the new recruits get acquainted with the practice.

In BOSM, the club conducted three match screenings and a football quiz, "The X-Rated Challenge – Not your average football quiz", which saw enthusiastic participation from students of BITS and other colleges participating in the fest. The quiz was conducted by Prathamesh Hoshing, Rishabh Agarwal and Manveer Singh.

On 27th September, the club renewed its book section in the library. Around 120 titles from the literature section were picked and forwarded to the librarian. These books have been placed under the must read section in the library. For the same, the club went through the entire literature section in the library, helping the club members get better acquainted with the book collection of the library.

On October 31st, observing National Unity Day, the birth anniversary of Shri Sardar Vallabhai Patel, another book exhibition was set up in the library. This exhibition lasted for more than a week, through the cultural festival, OASIS.

The days preceding Oasis were spent in long hours of planning, work and discussions regarding the upcoming events. In Oasis, MATRIX organized three events and three movie screenings. Triathlon, one of the major events of MATRIX was attended by 250 students. It was hosted by Rishabh Agarwal, Arshad Latif Saikia and Tanuj Arora. Movie Quiz was conducted by Sayan Maitra and holding up the benchmark set by its earlier version, it was rated to be one of the toughest and excellently researched quiz. The movies that were screened were: 'Airplane', 'The Intouchables' and 'Wag The Dog'. French Embassy was the sponsor for the Movie Quiz and the movie screening of 'The Intouchables'. This year, in Oasis, MATRIX introduced a new event called Poetry Slam. This was a kernel event of Oasis and had three rounds, judging various aspects of poetry. This event saw a very diverse set of participants from various parts of the country.

MATRIX concluded the semester with a valedictory ceremony where the club members and external panelists were felicitated for their contributions. Dr. Kumar Bhattacharya and Mr. Tathagato Chakraborty were present at the ceremony and provided valuable insights.

Apart from the above mentioned events, the club had many other informal and internal discussion sessions involving literature, movies and book exchange sessions.

NIRMAAN

Livelihoods initiatives: Two self-help groups have been established in Khedla and Baas wherein the organization provides life-skills training to underprivileged women and an opportunity to earn a livelihood. They produce products like kurta, agro products, etc. and sell in nearby Pilani markets.

Education initiatives: From adopting government school to improve educational quality and infrastructure to providing bridge-program to child-labourers and admitting them to private schools using Right to Education Act, over 100 students have been impacted. Through tele-counselling and career workshops, Nirmaan has provided career guidance to over 1000 children. Through its scholarship and mentorship program, 80 students have been supported to continue their education. It also has evening schools for the all-round development of students at BITSAA Pilani Resource Center and Baas village where one can see the change in the attitude of the children and parents towards education in 8 years

Community initiatives: Volunteers use participative community development approach involving the community to discuss their issues take ownership of their problems and through awareness and motivation, help them solve the same. Organizing medical camps, engaging with people through social and cultural events, cleanliness drives etc. are all directed at this aim.

Socio-Technological initiative: As students of a premiere engineering institute of India, volunteers of Nirmaan in collaboration with NSS, Pilani aim to contribute to the society by finding technical solutions to grass-roots level problems. Two "solar water bulbs" are installed in a school in Baas village which uses a PET bottle filled with water fitted in the roof to provide an affordable lighting solution.

Project- "Water treatment using indigenous adsorbents" will soon be implemented in the slum of Natbasthi, nearby Pilani.

Events:

Voter Registration Camp: A Voter ID Registration camp was organized on campus from 26th Jan-28th Jan, 2014 in which 342 bitsians registered.

Joy of Giving Week: It was celebrated from 10-14th October, 2013. A number of events were conducted as part of the weeklong celebration.

1. Wish Tree: The trees were decorated with the wishes of our beneficiaries. Anyone who wishes to contribute left their contact details on the wish card, and dropped it in the wish box. More than 55 wishes got fulfilled.
2. Day of Joy: A fun-day for the kids of two of our projects was organized, wherein they were brought to the campus and different clubs performed and organized games and activities for them, followed by movie and a music performance.
3. Hour of Joy: It was aimed at involving the Bitsian junta to spend an hour with our beneficiaries of Nirmaan Pilani. They could interact with them, conduct a small activity, play with them, or teach them a sport/musical instrument/photography/dance. With this we gave others a chance to feel the passion of Nirmaan through our projects.

Oasis: Nirmaan conducted two events, Youth-Sabha and Big- fight during Oasis 2013. While Youth Sabha was a policy making competition in which participants were supposed to make a bill or propose changes in existing one over a problem. Big fight was a quizzing event. Both the events were well received, with participation from all over India.

The oasis stall, set up by Nirmaan every year, is a means of displaying the commendable work of the women of SHG Khedla and Baas village and to provide a market for their products. A variety of products were sold

including Kurtas, laptop bags, crochet handkerchief, key chains, sweaters, table cover, mufflers, home decorative materials. Products from Nirmaan are made at SHG-Baas and SHG-Khedla.

National Talent Search Scheme

The number of National Talent Search Scheme Scholarship holders studying in the Institute during the year in various programmes was as follows:

Admission year	No. of students
I Year	16
II Year	11
III Year	32
IV Year	27
V Year	02
Total	<u>88</u>

Earn While You Learn

Professional Assistantship

Fifteen students worked as Professional Assistants during this year, 9 in the Second Semester of 2013-2014 and 7 in the First Semester of 2014-2015. They participated in academic activities like development and assistance in labs, software development, educational planning etc. This gave them an opportunity of independent thinking and developing a sense of responsibility. The programme is not linked with any academic credit but the participants are paid honorarium for their services.

Aditya Birla Group Scholarships

One student, Ms. Tripathi Tripathi (2014A3PS002P) has been awarded the prestigious Aditya Birla Scholarships for the academic year 2014-2015. These scholarships are awarded to meritorious students of Engineering from among those admitted to BITS Pilani and the IIT's at Bombay, Chennai, Delhi, Kanpur and Kharagpur after a rigorous selection process.

GE Fund Scholarship Program – 2013 - 15

GE Foundation, USA, which is the philanthropic organization of the General Electric Company, has sanctioned two scholarships worth \$ 4500 to a student in the fourth year of dual degree programme in BITS, Pilani in the areas of Computer Science and Mechanical Engineering. The scholarships were awarded to Ms. Shuchita Banthia, (ID No.2012A7PS011P) B.E. (Hons.) Computer Sciences and Mr. Anand Shekhar (2012A4PS370P) B.E. (Hons.) Mechanical Engineering programme.

Institute Fellowship

With a view to increase enrolment of Ph.D. students, Institute has created Research Assistantship for full time Research Fellows. Currently 71 full time research students, who have been admitted to Ph.D. programme, are receiving Research Assistantship in Pilani campus. These full time research scholars are doing research in the areas such as Biotechnology, Chemistry, Chemical Engineering, Civil Engineering, Computer Science, Economics, Electrical and Electronics Engineering, Humanities and Social Sciences, Mathematics, Management, Mechanical Engineering, Pharmacy and Physics.

CSIR/UGC/DST Fellowship

Council of Scientific and Industrial Research (CSIR) has provided fellowship to 2 JRFs and 12 SRFs to the research scholars of the Pilani campus. DST has provided 6 Inspire fellowships to the research scholars at Pilani campus. The University Grants Commission has provided fellowship to 3 JRF and 9 SRFs under UGC NET scheme and 49 research fellowships under UGC BSR scheme to the research scholars of the Institute. These research fellows; both JRFs and SRFs are working for their Ph.D. degree in Pilani campus.

Fellowships under Externally Funded Projects

Apart from the above mentioned fellowship there are full time research scholars working on projects sponsored by various agencies like DST, DBT, CSIR, ICAR, NPMASS, Incozen, Inspire, BRNS, MNRE, UGC, ICMR, TCS etc. There are 43 research scholars in Pilani campus at present in such position.

Alumni Scholarships

BITS Alumni have instituted several merit-cum-means scholarships. For the First Semester 2013-2014 and Second Semester 2013-2014 the scholarships were awarded to the following students.

Scholarship	I Semester 2013-2014	II Semester 2013-2014
Vamsi Pendyala and Prasanna Kalahasthi Memorial Scholarship	Sangoi Dhairya Pankaj ID No. 2012B4A7640P	Anurag Goyal ID No.2012A2PS311P
S.S. Seshadri Memorial Scholarship	Medha Pandey ID No. 2011A1PS457P	Medha Pandey ID No. 2011A1PS457P
BITS Alumni Class of 1966-71 Scholarship	Kher Tanmayee Abhi ID No. 2012A4PS238P	Bhavaya Gupta ID No. 2012B1A3833P
Rakesh Chandra Scholarship	Chirag Surana ID No. 2012A8PS269P	Deeksha Awadh Dadhich ID No. 2012A8PS348P
Hiralal Scholarship	–	Ayush Gupta ID No. 2013ABPS805P
Chaman Lal Scholarship	Daksh Arya No. 2011C7PS880P	Peruri Satwik ID No. 2011A3PS178P
Ram Nivas Yadav Scholarship	Devraj Palit ID No. 2013B4PS765P	–
	Simran Kaur ID No. 2013B3PS702P	–
Shantha E. Iyer Scholarship	Bhanu Priya S ID No. 2011B1PS515P	Bhanu Priya S ID No. 2011B1PS515P
	Priya Agarwal No. 2012A2PS517P	Priya Agarwal ID No. 2012A2PS517P
	Neha Agarwal ID No. 2013A1PS493P	Neha Agarwal ID No. 2013A1PS493P
Arun Agarwal Scholarship	Ramya Mittal ID No. 2013A2PS630P	Davinder Pal singh ID No. 2013A3PS010P

LIST OF ANNEXURES

ANNEXURE	CONTENTS	PAGE NO.
B-1	DETAILS OF ADMISSIONS	B1: A-1-2
B-2	DUAL DEGREE	B1: A-3
B-3	NUMBER OF STUDENTS REGISTERED IN FIRST SEMESTER 2014-2015	B1: A-4-5
B-4	DEGREES AWARDED	B1: A-7-8
B-5	CAMPUS INTERVIEW	B1: A-9-12
B-6	LIST OF PROJECTS COMPLETED	B1: A-13-68
B-7	NEW COURSES	B1: A-70
B-8	SPECIAL LECTURES DELIVERED BY INVITED SCHOLARS	B1: A-71
B-9	LIST OF FIRST DEGREE THESIS	B1: A-72-78
B-10	LIST OF PROJECTS COMPLETED UNDER HIGHER DEGREE DISSERTATIONS DURING THE YEAR 2014	B1: A-79-80
B-11	LIST OF EQUIPMENTS PROCURED DURING THE YEAR 2014	B1: A-81-84
B-12	CUMULATED LIST OF BOOKS PUBLISHED UNDER THE AUTHORSHIP OF BITS FACULTY	B1: A-85-95
B-13	LECTURE NOTES PREPARED BY EDUCATIONAL DEVELOPMENT DIVISION	B1: A-96-99
B-4	SENIOR OFFICERS OF THE INSTITUTE	B1: A-100-102

DETAILS OF ADMISSIONS MADE DURING THE YEAR 2014

(A) Second Semester 2013-2014

Doctoral Programmes

Ph.D.	54 (21)
Total	54 (21)

(B) First Semester 2014-2015

PROGRAMMES	No. of students joined	BITSAT Cut-off scores	
		Highest	Lowest
1. Integrated First Degree Programmes			
<u>Group A</u>			
B.E.(Hons.)			
Chemical	71(10)	362	326
Civil	67(03)	360	322
Computer Science	124(14)	430	375
EEE	106(07)	397	359
Electronics & Instrumentation	62(08)	367	346
Mechanical	84 (02)	392	351
Manufacturing	41(01)	346	311
B. Pharm. (Hons.)	46(22)	319	160
	601(67)		
<u>Group B</u>			
M.Sc.(Hons.)			
Biological Sciences	59(13)	317	300
Chemistry	56(14)	338	310
Economics	67(10)	362	323
Mathematics	61(07)	351	321
Physics	65(09)	346	316
	308(53)		
<u>Group C</u>			
M.Sc.(Tech.)			
Gen. Studies	13(04)		
	13(04)		
Total :	922(124)		

- Note: (i)** The above list consists of 19 students who are First rank holders from 16 different central/ state boards admitted under 'direct admission of board toppers' scheme.
- (ii) The above numbers also include 37 admissions of staff children and of BET school students, made under special dispensation consisting of 3 in Bio Sciences, 4 in Chemistry, 6 in Economics, 5 in Mathematics, 6 in Physics and 13 in General Studies.

2. Higher Degree Programmes :

M.E.	
Biotechnology	15(11)
Chemical Engineering	24(12)
Civil (Structural Engineering)	10(02)
Civil (Transportation Engineering)	8(0)
Civil (Infrastructure Engineering)	10(03)
Computer Science	24(13)
Communication Engineering	12(03)
Design Engineering	9(0)
Embedded Systems	11(04)
Manufacturing Systems Engineering	9(0)
Mechanical Engineering	15(11)
Microelectronics	14(12)
Software Systems	25(05)
MBA	60(17)
M.Pharm.	4(02)
M.Pharm. (Pharmaceutics)	14(04)
M.Pharm. (Pharmaceutical Chemistry)	4(02)
Total	268(83)

3. Doctoral Programmes :

Ph.D.	17(09)
-------	--------

SUMMARY

	II Semester 2013-2014	I Semester 2014-2015
Programmes		
Integrated First Degree Programmes	-	922(124)
Higher Degree Programmes	-	268(83)
Ph.D.	54(21)	17(09)
Total	54(21)	1207(216)

**STATEMENT SHOWING THE NUMBER OF CANDIDATES WHO HAVE BEEN PERMITTED IN
THE ACADEMIC YEAR 2013-2014 TO PURSUE VARIOUS DUAL DEGREE PROGRAMMES
UNDER VARIOUS PRIORITIES**

FIRST PRIORITY

(i) Pilani Campus:

(From Group 'B' to Group 'A' Programmes)

Programmes* From ↓ To →	A1	A2	A3	A4	A5	A7	A8	AB	Total
B1	10	10	8	4	-	9	3	3	47
B2	7	4	10	11	-	9	4	2	47
B3	5	6	8	5	-	18	10	7	59
B4	6	2	8	9	-	11	10	1	47
B5	3	5	11	11	-	10	3	2	45
Total	31	27	45	40	-	57	30	15	245

OTHER PRIORITIES

Programmes* From ↓ To →	A1	A2	A7	AB	B3	B4	B5	Total
A1				1		1		2
A3			1					1
A7						1		1
B4							1	1
B5						1		1
C7	4	4			2			10
Total	4	4	1	1	2	3	1	16

NUMBER OF STUDENTS REGISTERED IN FIRST SEMESTER 2014-2015

Programme	Year of Admission						Total
	2009 and earlier	2010	2011	2012	2013	2014	
I. On Campus Programmes							
A. Integrated First Degree Programmes							
B.E.(Hons.)							
Chemical	0(0)	2(0)	57(10)	51(11)	62(7)	71(10)	243(38)
Civil	1(0)	2(0)	56(8)	58(7)	58(6)	66(3)	241(24)
E.E.E.	0(0)	1(1)	91(6)	90(14)	99(16)	100(7)	381(44)
Mechanical	0(0)	1(0)	78(2)	79(1)	85(2)	83(1)	326(6)
Computer Science	0(0)	3(0)	94(16)	92(16)	134(15)	124(14)	447(61)
Electronics & Instrumentation	0(0)	2(1)	56(8)	60(11)	67(13)	62(8)	247(41)
Manufacturing Engg	0(0)	2(0)	30(2)	29(5)	35(6)	40(1)	136(14)
B.Pharm.(Hons.)	1(0)	5(2)	26(11)	25(5)	10(0)	44(20)	111(38)
M.Sc.(Hons.)							
Bio. Sciences	4(2)	42(13)	43(12)	48(15)	50(11)	59(13)	246(66)
Chemistry	1(0)	37(9)	44(10)	42(9)	45(6)	56(14)	225(48)
Economics	0(0)	45(9)	53(11)	53(10)	68(12)	67(10)	286 (52)
Mathematics	0(0)	44(9)	51(9)	51(12)	56(12)	61(7)	263(49)
Physics	1(0)	47(4)	48(6)	49(7)	46(9)	65(9)	256(35)
M.Sc.(Tech.)							
Information Systems	0(0)	2(1)	70(17)	60(10)	0(0)	0(0)	132(28)
Gen. Studies	3(1)	7(0)	20(11)	21(10)	16(5)	13(4)	80(31)
Finance	0(0)	1(0)	16(7)	17(6)	0(0)	0(0)	34(13)
Sub Total	11(3)	243(49)	833(146)	825(149)	831(120)	911(121)	3654(588)

Note: The numbers in brackets indicate number of female students

Programme	Year of Admission						Total
	2009 and earlier	2010	2011	2012	2013	2014	
<i>B. Higher Degree Programmes</i>							
M.E.							
Chemical	0(0)	0(0)	0(0)	0(0)	13(3)	24(12)	37(15)
Civil with Specialisation in Structural Engg.	0(0)	2(1)	0(0)	0(0)	14(4)	10(2)	26(7)
Computer Science	1(0)	1(0)	0(0)	0(0)	19(3)	24(13)	45(16)
Mechanical	0(0)	0(0)	0(0)	0(0)	11(0)	15(2)	26(2)
Software Systems	3(2)	0(0)	0(0)	0(0)	28(4)	25(5)	56(11)
Microelectronics	0(0)	3(1)	0(0)	0(0)	12(4)	14(2)	29(7)
Communication Engineering	0(0)	0(0)	0(0)	0(0)	16(2)	12(3)	28(5)
<i>Biotechnology</i>	0(0)	0(0)	0(0)	0(0)	15(9)	15(11)	30(20)
<i>Embedded Systems</i>	0(0)	0(0)	0(0)	0(0)	6(1)	11(4)	17(5)
<i>Design Engineering</i>	0(0)	1(0)	0(0)	0(0)	9(0)	9(0)	19(0)
<i>Manufacturing Sys. Engg</i>	0(0)	0(0)	0(0)	0(0)	9(1)	9(0)	18(1)
Civil with Specialisation in Transportation Engg.	0(0)	0(0)	0(0)	0(0)	11(4)	8(0)	19(4)
Civil with Specialisation in Infrastructure Systems.	1(1)	0(0)	0(0)	0(0)	11(4)	10(3)	22(8)
Chemical with Specialisation in Petroleum Engg.	0(0)	0(0)	0(0)	0(0)	6(2)	0(0)	6(2)
Master of Business Administration	0(0)	0(0)	0(0)	0(0)	49(19)	60(17)	109(36)
M.Pharm	0(0)	0(0)	0(0)	0(0)	9(3)	4(2)	13(5)
M.Pharm.(with Specializations in Pharmaceutics Chemistry)	0(0)	0(0)	0(0)	0(0)	6(2)	4(2)	10(4)
M.Pharm.(with Specializations in Pharmaceutics)	0(0)	0(0)	0(0)	0(0)	14(6)	14(4)	28(10)
Sub Total	5(3)	7(2)	0(0)	0(0)	258(71)	268(82)	538(158)
<i>C. Ph.D.</i>	117(32)	42(11)	62(27)	57(28)	82(35)	17(9)	377(142)
Total (On Campus)	133(38)	292(62)	895(173)	882(177)	1171(226)	1196(212)	4569(888)

SUMMARY

	On-Campus			
	Engg.	Sc.	Hum.	Total
First Degree	2187(269)	1101(236)	366(83)	3654(588)
Higher Degree	378(103)	51(19)	109(36)	538(158)
Total	2565(372)	1152(255)	475(119)	4192(746)
Ph.D.	-	-	-	377(142)
Grand Total				4569(888)

Note: The numbers in brackets indicate number of female students.

STATEMENT OF DEGREES AWARDED

Degrees	No. of degrees			
	74 th Award (29.03.2014)		75 th Award (16.07.2014)	
(i) On-campus Programmes				
A. Integrated First Degrees				
B.E.(Hons.)				
Chemical	0 (0)		7 (1)	
Chemical (with PS)	0 (0)		68 (13)	
Civil	2 (0)		7 (2)	
Civil (with PS)	3 (1)		63 (6)	
Computer Science	0 (0)		9 (4)	
Computer Science (with PS)	5 (1)		119 (13)	
EEE	4 (0)		14 (0)	
EEE (with PS)	3 (2)		113 (18)	
Electronics & Instrumentation	2 (0)		11 (2)	
Electronics & Instrumentation (with PS)	0 (0)		64 (15)	
Mechanical	4 (0)		16 (1)	
Mechanical (with PS)	1(0)		96 (7)	
Manufacturing Engg	2 (1)		8 (1)	
Manufacturing Engg (with PS)	0 (0)	26 (5)	33 (0)	628 (83)
B.Pharm.(Hons.)	0 (0)		6 (1)	
B.Pharm.(Hons.)(with Ptactice School)	4 (0)		29 (9)	
M.Sc.(Hons)				
Bio. Sciences	2 (0)		32 (6)	
Bio. Sciences (with PS)	1 (1)		9 (5)	
Chemistry	2 (1)		27 (4)	
Chemistry (with PS)	0 (0)		8 (3)	
Economics	2 (0)		32 (10)	
Economics (with PS)	0 (0)		18 (5)	
Mathematics	2 (1)		36 (5)	
Mathematics (with PS)	0 (0)		21 (1)	
Physics	0 (0)		36 (2)	
Physics (with PS)	<u>1 (0)</u>	14 (3)	<u>13 (7)</u>	267 (58)
M.Sc. (Tech)				
Engg. Tech	0 (0)		0 (0)	
Engg. Tech. (with PS)	0 (0)		0 (0)	
Finance	0 (0)		0 (0)	
Finance (with PS)	1 (1)		21 (10)	
General Studies	1 (0)		5 (1)	
General Studies(with PS)	7 (3)		12 (0)	
Information Systems	1 (0)		5 (2)	
Information Systems (with PS)	1 (0)	11 (4)	56 (20)	99 (33)
Sub Total		51 (12)	994 (174)	

Note: The numbers in brackets indicate number of female students.

Degrees	No. of degrees	
	74 th Award (29.03.2014)	75 th Award (16.07.2014)
B. Higher Degrees		
M.E.		
Civil with specialisation in Structural Engg.	1 (0)	2 (0)
Civil with specialisation in I Structural Engg. (with PS)	0 (0)	11 (1)
Civil with specialisation in Infrastructure Engg.	0 (0)	4 (2)
Civil with specialisation in Infrastructure Engg. (with PS)	0 (0)	3 (0)
Civil with specialisation in Transportation Engg.	1 (1)	7 (3)
Civil with specialisation in Transportation Engg. (with PS)	0 (0)	2 (0)
Chemical with specialisation in Petroleum Engg.	0 (0)	5 (2)
Chemical with specialisation in Petroleum Engg. (with PS)	0 (0)	2 (0)
Chemical	1 (0)	6 (3)
Chemical (with PS)	0 (0)	4 (0)
Computer Science	0 (0)	4 (1)
Computer Science (with PS)	1 (1)	13 (3)
Communication Engineering (with PS)	0 (0)	10 (3)
Communication Engineering	0 (0)	4 (1)
Embedded Systems	0 (0)	3 (0)
Embedded Systems (with PS)	0 (0)	5 (0)
Master of Business Administration	1 (0)	3 (0)
Master of Business Administration (with PS)	0(0)	42 (9)
Master of Public Health	0 (0)	0 (0)
Master of Public Health (with PS)	0 (0)	0 (0)
Mechanical	0 (0)	7 (1)
Mechanical (with PS)	0 (0)	5 (0)
Electrical with specialization in power Electronics & Drives	0 (0)	0 (0)
Electrical with specialization in power Electronics & Drives (with PS)	0 (0)	0 (0)
Software Systems	0 (0)	1 (0)
Software Systems (with PS)	1 (1)	20 (4)
Microelectronics	0 (0)	0 (0)
Microelectronics (with PS)	0 (0)	13 (2)
Biotechnology	0 (0)	4 (1)
Biotechnology (with PS)	0 (0)	8 (5)
Manufacturing Systems Engg.	0 (0)	3 (1)
Manufacturing Systems Engg. (with PS)	0 (0)	5 (0)
Design Engineering	0 (0)	3 (0)
Design Engineering (with PS)	0 (0)	5 (0)
M.Pharm.	0 (0)	1 (1)
M.Pharm.(with PS)	0 (0)	10 (5)
M.Pharm.(with specialization in Pharmaceutics)	0 (0)	3 (2)
M.Pharm.(with specialization in Pharmaceutics) (with PS)	0 (0)	8 (2)
M.Pharm.(with specialization in Pharmaceutics Chemistry)	0 (0)	2 (1)
M.Pharm.(with specialization in Pharmaceutics Chemistry) (with PS)	0 (0)	8 (4)
Sub Total	57(15)	236 (57)
C. Ph.D.	21(6)	22 (7)
Total (On Campus)	78(21)	1252 (238)

Note: The numbers in brackets indicate number of female students.

SUMMARY

(i) On-Campus Programmes

Discipline	Engineering			Science			Humanities			Total		
	74 th	75 th	Total	74 th	75 th	Total	74 th	75 th	Total	74 th	75 th	Total
Integrated First Degree	29(6)	710(115)	739(121)	12(3)	217(43)	229(46)	10(3)	67(16)	77(19)	51(12)	994(174)	1045(186)
Higher Degrees	5(3)	159(33)	164(36)	-	32(15)	32(15)	1(0)	45(9)	46(9)	6(3)	236(57)	242(60)
Ph.D.	-	-	-	-	-	-	-	-	-	21(6)	22(7)	43(13)
<i>Total</i>	34(9)	869(148)	903(157)	12(3)	249(58)	261(61)	11(3)	112(25)	123(28)	78(21)	1252(250)	1330(271)

Note: The numbers in brackets indicate number of female students.

LIST OF ORGANIZATIONS WHICH CONDUCTED CAMPUS INTERVIEWS

S.No.	Name of Organization	Number of students		Discipline
		Interviewed	Selected	
1.	Adobe	15	6	CS/IS
2.	Airtel	10	5	EEE/ENI
3.	Airvana Networks	7	1	CS/IS
4.	Amazon	12	4	CS/IS
5.	American Express	15	1	CS/IS
6.	Anand Automotive Ltd	13	4	Mech
7.	Aruba Networks	9	1	CS/IS
8.	Aspire Systems	11	2	CS/IT
9.	Atrenta India	7	1	EEE/ENI
10.	Avanti Fellows	3	1	EEE/ENI
11.	Avaya India Pvt Ltd	9	7	CS/EnI
12.	Axis Bank	4	2	All
13.	Axtria	31	24	All
14.	BA Continuum Solutions	8	5	Chem/Mech/EEE/EnI
15.	Bain Capability Center	14	7	All
16.	BOSCH	6	3	Mech/EEE/EnI
17.	CA Tech	13	6	EEE/ENI
18.	Cadence Design Systems	7	2	EEE/ENI
19.	Capgemini	27	19	All
20.	Chalk Studio	6	1	CS/IS
21.	Cisco	26	17	CS/IS/EEE/EnI
22.	Citi Corp	29	18	CS/IS/EEE/EnI
23.	Cognizant	15	10	All
24.	Comverse Network Systems	11	3	CS/IS
25.	Credit Suisse	19	11	All
26.	Cummins	6	1	Mech
27.	Cvent	5	1	All
28.	Cypress Semiconductors	15	9	EEE/EnI
29.	DE Shaw	8	3	CS/IT
30.	Dell	19	12	All
31.	DgM Marketing	7	2	CS/IS
32.	Diamond Consulting (PWC)	9	3	All
33.	Diebold	11	3	CS/IS/EEE/EnI
34.	Directl	3	1	All
35.	Dolcera	6	1	EEE/EnI
36.	Dr. Reddy's Laboratories	9	3	Pharm
37.	eBay	13	6	CS/IS
38.	Edgeverve	5	2	CS/IS
39.	EduPristine	3	1	CS/IS
40.	Emaar MGF	9	4	CE
41.	EMc Software and Services India Pvt Ltd	6	2	EEE/EnI
42.	EPIC	4	2	CS/IS/EEE/EnI
43.	Ericsson R&D	8	4	EEE/EnI

S.No.	Name of Organization	Number of students		Discipline
		Interviewed	Selected	
44.	eValueserve	20	14	All
45.	Exicom	8	3	All
46.	Expicient	13	7	All
47.	Fiberlink	4	1	CS/IT
48.	FICO	9	4	All
49.	Flipkart	15	10	CS/IS
50.	Fractal Analytics	4	1	Pharma
51.	Futures First	16	9	All
52.	GE India	6	2	CS/IS/EEE/EnI
53.	GGK Tech	5	1	CE
54.	Global Analytics	7	2	All
55.	Goldman Sachs	11	5	CS/IT
56.	Google	8	5	CS/IS
57.	Grey Orange Robotics	17	11	All
58.	Groupon	9	3	CS/IT
59.	Gujarat State Fertilizers and Chemicals	17	12	Chem/Mech
60.	Gwynnie Bee	5	4	CS/IS
61.	Harman	12	6	Mech/EEE/EnI
62.	Harness Handitouch Pvt. Ltd.	6	1	Mech
63.	Havells	11	5	Mech/Manu/EEE/EnI
64.	Hero Motocorp	14	5	Mech
65.	HILTI	9	3	All
66.	Honda	10	7	Mech
67.	Hospira	19	11	Pharm
68.	Housing.com	5	1	All
69.	Huawei	8	5	EEE/EnI
70.	IBM R&D	5	2	CS/IS
71.	ICICI	6	4	All
72.	Idea S-Sas	11	3	All
73.	IMS Health	13	6	Chem/Mech/Pharma
74.	India Mart	9	3	MBA
75.	Indus Insights	7	3	All
76.	Informatica	5	1	CS/IS
77.	Infosys R&D	3	1	CS/IS
78.	InMobi	9	3	CS/IS
79.	J P Morgan Services	11	5	All
80.	JDA	5	1	All
81.	JPMC	12	7	All
82.	JSW	3	1	Mech/Chem
83.	Juniper Networks	6	4	EEE/EnI
84.	KBR	5	2	Mech
85.	Kony Labs	8	4	CS/IS
86.	KPMG	7	3	All
87.	Latentview Analytics	37	25	All
88.	LexInnova Tech	9	2	All
89.	Lindstorm	3	1	MBA
90.	LinkedIn	9	5	CS/IT

S.No.	Name of Organization	Number of students		Discipline
		Interviewed	Selected	
91.	LinkHouse BuildWell	22	14	CE
92.	LSI	11	4	EEE/EnI
93.	Maruti	9	3	Mech
94.	Mehta Group	4	2	Manu/EnI
95.	Michelin	7	1	Mech
96.	Microsoft	7	5	CS/IS
97.	Misys	6	2	All
98.	Morgan Stanley	11	6	All
99.	Mott Mac	7	3	CS/IS
100.	Mu-Sigma	43	19	All
101.	Myntra	8	4	All
102.	Nagarjuna	3	1	Chem
103.	Nagarro	6	4	CS/IT
104.	NBC	4	2	Mech
105.	Nestle	5	1	Mech
106.	NI R&D	3	1	Chem/Mech/ EEE
107.	Nippon	8	3	CE
108.	Nucleus Software	4	1	CS/IS
109.	Nvidia	5	5	EEE/EnI
110.	Opera Solutions	5	3	CS/IT
111.	Oracle	52	32	All
112.	Pantaloons	6	1	MBA
113.	Phyzok	4	2	ALL
114.	PI Industries	6	1	Chem
115.	Qualcomm	17	9	EEE/EnI
116.	REDMED HEALTH SYSTEMS	4	1	EEE/EnI
117.	Reliance	9	6	Chem
118.	Samsung Bangalore	28	21	CS/IS
119.	SanDisk	6	4	EEE/EnI
120.	SAP	9	5	All
121.	Schaeffler	6	2	Mech
122.	Schlumberger	7	3	All
123.	Searce	4	1	All
124.	Sentiss Pharma	6	2	MBA
125.	Shell	10	6	Mech
126.	SKF GET	7	2	Chem
127.	Smart Trak	4	1	MBA
128.	Sprinklr	21	15	CS/IS
129.	SRF	6	1	Mech
130.	Strand Life Sciences	2	1	CS/IT
131.	Systango	10	7	CS/IT
132.	TATA Advanced Systems	8	4	All
133.	TATA Consulting Engineers	19	12	All
134.	TATA Housing	6	2	Civil
135.	TATA Motors	4	1	Mech
136.	TATA Technologies	10	6	Mech/Chem
137.	TCS IT	66	51	All

S.No.	Name of Organization	Number of students		Discipline
		Interviewed	Selected	
138.	The Boston Consulting Group	8	2	All
139.	Thermax	5	2	Mech
140.	ThyssenKrupp	6	3	ET/Chem/Mech
141.	TinyOwl	6	2	CS/IT
142.	Total Environment	5	2	Civil
143.	Tresvista Finserv	11	5	All
144.	UOP	8	5	Chem
145.	UTC Group Companies	13	7	Mech
146.	UTC-Otis Elevators	11	7	Mech/Chem
147.	Value Edge Research	8	3	All
148.	Vibrant Academy	15	10	All
149.	Vizury Interactive Solutions Pvt. Ltd.	7	4	CS/IT
150.	Vodafone	13	8	All
151.	Walmart Labs	8	4	CS/IT
152.	Wipro Star	9	6	EEE/EnI
153.	Wipro Tech	6	3	Chem/EEE/EnI
154.	ZeMoSo Technologies Pvt. Ltd.	9	2	EEE/EnI
155.	Zinnov	17	6	All
156.	ZS Associates	24	14	All
		1628	823	

Summary

Total No. of companies:	156
Total No. of students interviewed:	1628
Total No. of appointments offered:	823

Legend

BT: Biotechnology, CE: Civil, CHE: Chemical, CM: Communication Engineering, CS: Computer Science, DE: Design Engineering, EEE: Electrical & Electronics, ET: Engineering Technology, E&I: Electronics & Instrumentation, ECON: Economics, FIN: Finance, GS: General Studies, IS: Information System, MANUF: Manufacturing Systems Engineering, MATH: Mathematics, MECH: Mechanical, MI: Microelectronics, MMS: Master of Management Studies, PHARM: Pharmacy, SS: Software Systems, MBA

LIST OF PROJECTS COMPLETED UNDER CERTAIN PROJECT-ORIENTED COURSES IN THE YEAR 2014

Second Semester 2013-2014 (January 2014 to May 2014)

COMPUTER PROJECTS		
NAME	FACULTY	PROJECT TITLE
ANKITA DUGGAL	Devika	IMPORTANCE OF LANGUAGE LAB PRACTICE.
KADIYALA PRUDHVI KRISHNA	Ajit Pratap Singh	SOFTWARE DEVELOPMENT FOR ID ACTIVITIES
PRAVEEN KUMAR SANWARIA	Anil Rai	MUSIC IN ADVERTISEMENT
AKHIL CHATURVEDI	Smita Raghuvanshi	DESIGN OF BIOFILTER COLUMN FOR CO2 MITIGATION
AAYUSH JAIN	Arun Kumar Vaish	DEVELOPING A REFERRAL SYSTEM FOR LOAN SEEKERS IN RURAL AREAS
VINTI ARORA	Kuldip Singh Sangwan	INVESTIGATING THE CARBON FOOTPRINT OF THE B.I.T.S PILANI CAMPUS
AARUSHI BHARGAVA	P Srinivasan	FLOW FIELD SIMULATION IN HEAT EXCHANGER TO AUGMENT HEAT TRANSFER.
PERSHANT GOYAL	MS Dasgupta	STUDY AND ANALYSIS OF COUPLER MECHANISM BETWEEN RAILWAY COACHES.
SWETHA SUSAN GEORGE	Poonam Goyal	FEATURE SELECTION FOR IMAGE RETRIEVAL USING CLUSTERING
SOHAIL SHARIFF	Sundaesan Raman	APPLICATION OF IMAGE PROCESSING IN FOOD SAFETY.
VODITEL VIRAJ SUNEEL	Amit Goel	FACILITY MANAGEMENT USING BUILDING INFORMATION MODELLING (BIM)
NEHA JAIN	Rajneesh Kumar	DESIGN, DEVELOPMENT AND IMPLEMENTATION OF A BUILDING INTEGRATED PHOTOVOLTAIC SYSTEM FOR RURAL APPLICATION
PEEYUSH KUMAR	MS Dasgupta	STUDY AND ANALYSIS OF COUPLER MECHANISM BETWEEN RAILWAY COACHES.
ARNAV JAIN	Amit Goel	FACILITY MANAGEMENT SYSTEM USING BUILDING INFORMATION MODELLING(BIM)
SIDDHANT JAIN	Poonam Goyal	QUERY AND DOCUMENT CLUSTERING USING ENSEMBLE OF SEARCH ENGINE
AMANPREET SINGH	Pramod Kumar	GUI DEVELOPMENT FOR WSN SYSTEMS MONITORING
ANKIT SRIVASTAVA	Smita Raghuvanshi	DESIGN OF BIOFILTER COLUMN FOR CO2 MITIGATION
ABHISHEK SHARMA	Sanghamitra Kundu	MODELING THE RISK OF GROUNDWATER CONTAMINATION BY ENDOSULPHAN (PESTICIDE)USING GIS IN KASARGOD, KERALA.
VIPUL AGGARWAL	Trilok Mathur	STUDY OF ADVANCED TOPICS IN GRAPH THEORY
ANURAJ JAIN	Rajiv Ranjan Singh	ECG AS BIOMETRICS
BAJAJ JASH SHAILENDRA	Kuldip Singh Sangwan	DEVELOPMENT OF A WASTE MANAGEMENT STRATEGY FOR BITS PILANI BY USING THE "WASTE TO ENERGY" APPROACH. ASSESSMENT OF DIFFERENT ALTERNATIVES VIA SIMPLE LCA USING UMBERTO.
SUMIT SHARMA	Poonam Goyal	PARALLELISATION OF DATA MINING ALGORITHMS
NARAYAN PERIWAL	Sundaesan Raman	APPLICATIONS OF IMAGE PROCESSING
AKSHAY AGARWAL	Rajiv Ranjan Singh	ECG AS BIOMETRICS
RITESH BHATIA	J L Raheja	HUMAN ACTIVITY DETECTION THROUGH MULTIPLE KINECT SENSORS
HARSH KHANDELWAL	Sanghamitra Kundu	STUDY OF LEACHING OF FA USING PHREEQC SOFTWARE.

COMPUTER PROJECTS

NAME	FACULTY	PROJECT TITLE
SHUBHAM LAL	Sanghamitra Kundu	MODELING THE RISK OF GROUNDWATER CONTAMINATION BY ENDOSULPHAN(PESTICIDE) USING GIS IN KASARGOD, KERELA.
YASHVARDHAN SRIVASTAVA	Arun Kumar Vaish	DEVELOPING A REFERRAL SYSTEM FOR LOAN SEEKERS IN RURAL AREAS
NATEKAR NIRANJAN AWADHUT	Rajiv Ranjan Singh	ECG AS BIOMETRICS
APOORV JINDAL	Niladri Sarkar	STUDY OF CARBON NANOTUBE BASED DEVICES
SAGAR UPRETY	Sundaresan Raman	APPLICATIONS OF IMAGE PROCESSING
NITHIN P SAJI	Pramod Kumar	GUI DEVELOPMENT FOR WSN SYSTEMS MONITORING
JOSHI BHARGAV MADHUSUDAN	Tapomoy G Sarkar	FISHER MATRIX ANALYSIS OF 21CM POWER SPECTRUM TOWARDS CONSTRAINING NEUTRINO MASS
DEEPAK SHARMA	Yashvardhan Sharma	PROJECT ON ORGANISATIONAL ASPECT:IMPLEMENTATION OF ITC MANAGEMENT SYSTEM USING .NET.
VISHI JHALANI	S Mohan	CACHE ARCHITECTURE AND IMPROVING PROCESSOR PERFORMANCE USING CACHE OPTIMISATIONS
VIBHAV AGARWAL	Virendra S Shekhawat	ANALYSIS OF CONGESTION CONTROL ALGORITHMS USED IN INTERNET
PRASHAM MISHRA	Virendra S Shekhawat	ANALYSIS OF CONGESTION CONTROL ALGORITHMS USED IN INTERNET
INA GUPTA	Amit Goel	FACILITY MANAGEMENT SYSTEM USING BUILDING INFORMATION MODELLING(BIM)
DIVYA KADIYAN	Subhajit Majumdar	ENERGY INTEGRATION USING PINCH TECHNOLOGY
MARTAND ADITYA	Shuvendu N Patel	BUCKLING ANALYSIS OF COMPOSITE PLATES
SHIVAM PRATAP SINGH	Dipendu Bhunia	REVIEWING DESIGN CALCULATIONS AND CHART DATA FOR COUPLED SHEAR WALLS
UMESH ANANDRAM BALWANI	Shuvendu N Patel	NONLINEAR DYNAMIC ANALYSIS OF PLATES.
PRABHAT GUPTA	Anupam Singhal	DESIGN AND ANALYSIS OF FIRE EXTINGUISHER SYSTEM
RACHIT JAIN	Dipendu Bhunia	REVIEWING DESIGN CALCULATIONS AND CHART DATA AVAILABLE FOR COUPLED SHEAR WALLS.
GORTHI BHAVANA DEEPTHI	Tapomoy G Sarkar	EXPERIMENTS WITH THE 11IN CASSEGRAIN TELESCOPE
EKANSH MANGAL	Shibasish Chowdhury	STRUCTURE PREDICTION & ANALYSIS OF SMALL-RNAS: A COMPUTATIONAL APPROACH.
POLAMARASETTY VINAYKUMAR	Rajesh P Mishra	DESIGN AND ANALYSIS OF FOUR STROKE V-12 ENGINE
NIEL KAUSTUBH PATEL	MS Soni	WIND ENERGY-ANALYSIS OF WIND BLADE DESIGNS
SANJAY GANAPATI BHAT	Amol M R Marathe	CHAOS THEORY IN VIBRATION SYSTEMS AND ITS IMPLICATIONS
MOHIT MINHAS	J L Raheja	PERSON TRACKING THROUGH FEATURE EXTRACTION
P DEEPAK PRASHANTH	J L Raheja	PERSON TRACKING THROUGH FEATURE EXTRACTION
PANCHAGNULA KRISHNA PRAMOD	K K Gupta	IDENTIFICATION AND SEPARATION OF FEATURES FROM AUDIO SIGNAL
KANDURI SAI VENKATA MANI KOUNDINYA	K K Gupta	IDENTIFICATION AND SEPARATION OF FEATURES FROM AUDIO SIGNAL
ARINDAM DAS	K K Gupta	ACQUISITION AND ANALYSIS OF ACOUSTIC SIGNAL IN MATLAB
ROMA NOTANI	NN Sharma	ENERGY HARVESTING
VAIBHAV SINHA	J L Raheja	HUMAN ACTIVITY RECOGNITION USING MULTIPLE KINECT SENSORS

COMPUTER PROJECTS

NAME	FACULTY	PROJECT TITLE
ABHINAV PANDEY	Remica Aggarwal	SUPPLY CHAIN MANAGEMENT
VISHNU DUTT PALADUGU	N Mehala	WEB SEARCH ENGINE OPTIMIZATION
ARCHIT RAHEJA	Surekha Bhanot	GREEN HOUSE MONITORING SYSTEM USING HOME OS
ANURAG RAWAT	Anil Rai	SENTIMENTS IN MUSIC

DESIGN PROJECTS

NAME	FACULTY	PROJECT TITLE
PREM MUKESH PAREKH	K Hari Babu	DEVELOPING A DISTRIBUTED METHOD TO EXPLORE QOS CONSTRAINT MULTIPATHS IN AN OVERLAY NETWORK
MUKUL BHUTANI	Navneet Goyal	PARALLELIZATION OF HIERARCHICAL DATA CLUSTERING ALGORITHMS.
RISHAB KALRA	K Hari Babu	DETECTING FAKE TWITTER TWEETS BY IDENTIFYING CYBER GROUPS
VONTELA SHREYA	Pramod Kumar	DESIGNING A DIGITAL FILTER FOR STRUCTURAL HEALTH MONITORING
RITURAJ RAMAN	Vinod Kumar Chaubey	WIRELESS COMMUNICATION SYSTEM: CHANNEL MODELLING
AKASH AGRAWAL	Ashok Chauhan	STUDY AND DESIGN OF COMPUTER CONTROLLED REACTIVE ION ETCHING SYSTEMS
AANCHAL SRIVASTAVA	Pramod Kumar	DESIGNING A DIGITAL FILTER FOR STRUCTURAL HEALTH MONITORING.
DHARAP MIHIR SATISH	Rajesh P Mishra	DESIGN OF SINGLE POINT CUTTING TOOL.
NAGA RAJA PAIDIMARRI	HK Mohanta	IMPROVEMENT IN DESIGN OF SEPARATION UNITS FOR PETRO CHEMICAL INDUSTRIES
SAKET KUMAR	Subhajit Majumdar	ENERGY INTEGRATION USING PINCH TECHNOLOGY.
POTHULA SUNDEEP	HK Mohanta	IMPROVEMENT IN DESIGN OF SEPARATION UNITS FOR OIL REFINERIES
		MODELING AND SIMULATION OF BIOMASS GASIFIER USING ASPEN ONE.
		THIS PROJECT DEALS WITH THE MODELLING OF THE
MD ASIF AHSAN	Pratik N Sheth	UNSTEADY STATE DOWN-DRAFT GASIFIER AND THE EQUATIONS OBTAINED ARE SOLVED USING FINITE DIFFERENCE TECHNIQUES AND THEN SIMULATED IN THE ASPEN ONE.
TULIKA PODDAR	Suresh Gupta	APPLICATIONS OF COMPUTATIONAL FLUID DYNAMICS IN A BIOREACTOR
DEBASIS SENAPATI	HK Mohanta	CONTROL STUDY OF METHYL ACETATE REACTIVE DISTILLATION SYSTEM
HASIL SHARMA	Pratik N Sheth	MODELING AND SIMULATION OF BIOMASS GASIFIER
PENUMARTHI KIRAN	Ajit Pratap Singh	ANALYSIS OF SELECTED FLUID FLOW PROBLEMS USING ANSYS FLUENT
MANI MRUDULA K	Dipendu Bhunia	ANALYSIS OF 10 STOREY STRUCTURE USING STAAD-PRO,SAP,AUTODESK ROBOT STRUCTURAL ANALYSIS.
SIDDHARTH AWASTHI	Anshuman	HORIZONTAL FORCE ANALYSIS OF A MULTI-STORY BUILDING
PRAGNESH PAHUJA	G Muthukumar	ANALYSIS AND DESIGNING OF PILE FOUNDATION
SARANSH SOLANKI	Dipendu Bhunia	STATIC AND DYNAMIC ANALYSIS OF BEAMS
NIKITA MOGLA	Dipendu Bhunia	ANALYSIS OF 10 STOREY BUILDING USING SAP,E-TABS AND AUTODESK ROBOT

DESIGN PROJECTS		
NAME	FACULTY	PROJECT TITLE
		STRUCTURAL ANALYSIS.
SIDDHARTH MALHOTRA	Abhijit R Asati	DIGITAL CIRCUIT DESIGNING USING DYNAMIC VOLTAGE AND DYNAMIC FREQUENCY SCALING.
CHHABLANI CHIRAG	Ashok Chauhan	STUDY AND DESIGN OF COMPUTER CONTROLLED REACTIVE ION ETCHING SYSTEMS
ADIVI SIVA TEJA	Geetha B	DOCUMENTARY FILM ON THE FOLK MUSIC OF SHEKHAWATI REGION
ANKIT GUPTA	Ashok Chauhan	STUDY AND DESIGN OF COMPUTER CONTROLLED REACTIVE ION ETCHING SYSTEMS
GAURAV KAUSHIK	J L Raheja	IMPLEMENTATION OF REAL-TIME GESTURE RECOGNITION USING HIDDEN MARKOV MODELS(HMMS) ALGORITHM
ANKUR NAIK	Tufan Chandra Bera	MODELLING OF CUTTING FORCES IN PERIPHERAL MILLING USING MECHANISTIC APPROACH
PRASOON GARG	Tufan Chandra Bera	MODELLING OF CUTTING FORCES IN TURNING USING MECHANISTIC APPROACH.
SAKET NIHAL	MS Dasgupta	DESIGN AND ANALYSIS OF WHEEL ASSEMBLY FOR A BAJA CAR.
DIVYANSHU JAIN	MS Dasgupta	APPLICATION OF LAMB WAVE FOR DETECTION OF FLAW AND AGEING IN WELDMENT
PENDYALA SAI SHASHANK	Tufan Chandra Bera	MODELLING OF CUTTING FORCES IN PERIPHERAL MILLING USING MECHANISTIC APPROACH
ANOOP KUMAR SHUKLA	Abhijit K Digalwar	DESIGN AND DEVELOPMENT OF MULTI ATTRIBUTE DECISION MAKING(MADM)
BANDIKATLA PUNEETH	Tufan Chandra Bera	MODELING OF CUTTING FORCES IN TURNING OPERATION USING MECHANISTIC APPROACH
VUDAYAGIRI NAGA ANIRUDDH	Gajendra S Chauhan	MEDIA CONTENT DEVELOPMENT:DESIGN FOR ACADEMIC PURPOSES
LAHOTI PRITESH ANANDRAM	Yashvardhan Sharma	IMPLEMENTATION OF WEATHER PREDICTION MODEL USING NEURAL NETWORKS AND MULTI-AGENT SYSTEMS.
JAI PARKASH	Shivi Agarwal	DEVELOPING A GUI APPLICATION TO RECOGNIZE A LOGICAL SITUATION
ANUJ PAHUJA	Shan Balasubramaniam	EFFICIENT SEARCH AND RETRIEVAL MECHANISM FOR TAGGED AND ANNOTATED IMAGES
MONICA TARE	Mayuri Digalwar	STUDY OF ENERGY AWARE REAL TIME SCHEDULING ALGORITHMS FOR MULTI-CORE PROCESSORS.
VINAY TILWANI	J N Bandopadhyay	NUMERICAL SOLUTION OF HERMHOLTZ TYPE EQUATIONS
KONKAMALLA SACHIN	Asma Rani	FRAMEWORK FOR ARCHITECTURE DESIGN OF DATA PROVENANCE
AMIT MISHRA	Dheeraj Singh	SIZE ANALYSIS FOR CIVIL STRUCTURE DEFECTS IN AN IMAGE
G SHARAT CHANDRA	Asma Rani	FRAMEWORK FOR ARCHITECTURE DESIGN OF DATA PROVENANCE
AILEEN GHOSH	Tapomoy G Sarkar	SOLVING SCHRODINGERS EQUATION USING THE IMAGINARY TIME METHOD.
ANISHA VERMA	Suresh Gupta	METHODS FOR OPTIMISATION FOR HEAT EXCHANGER NETWORK SYNTHESIS
PRASHAST BINDAL	Dhiraj	3-DIMENSIONAL VISION ALGORITHM DEVELOPMENT USING STEREOCAMERA

LABORATORY PROJECT		
NAME	FACULTY	TITLE
JAGRITI MADAN	Navneet Goyal	DYNAMIC CLASS CLASSIFICATION
LODHA DARSHAN SUSHIL	Virendra S Shekhawat	DESIGN AND ANALYSIS OF WAVELENGTH RESERVATION PROTOCOLS
ADITYA AJEET RAISINGHANI	J L Raheja	SPEAKER DETECTION USING MULTIPLE KINECTS
AYUSH JAIN	Shan Balasubramaniam	DEVELOPMENT OF P2P INFRASTRUCTURE FOR SOCIAL NETWORKS
SHRUTI RIJHWANI	Sanjay Singh	OBJECT TRACKING USING OBJECT SEGMENTATION
ISHAN BANSAL	Shan Balasubramaniam	AUTOMATIC ANSWER EVALUATION
PUNIT SINGH KOURA	Shan Balasubramaniam	ALGORITHMS FOR EXTRACTION OF PRE-DEFINED MACRO LEVEL COMPONENTS FROM DIGITIZED MURALS.
KARANDEEP JOHAR	Shan Balasubramaniam	AUTOMATED ANSWER SHEET CORRECTION
SHUBHAM AGARWAL	Virendra S Shekhawat	DESIGNING DATA CENTER TOPOLOGY
UTKARSH VERMA	J L Raheja	SPEAKER DETECTION USING MULTIPLE KINECTS
DEEPAK THAKUR	Murali P	MULTICASTING AND MULTICHANNEL ROUTING ALGORITHM FOR MOBILE AD-HOC NETWORK
RUPPESH NALWAYA	Shan Balasubramaniam	ALGORITHMS FOR EXTRACTION OF PRE-DEFINED MACRO LEVEL COMPONENTS FROM DIGITIZED MURALS
VISHESH GERA	Sanjay Singh	OBSTACLE DETECTION USING IMAGE INFORMATION
CHANDAN KUMAR	Lucky Sharan	STUDY OF HIGH-SPEED OPTICAL NETWORKS
NITIKA SOHANE	G S Sessa Chalapathi	DESIGN AND IMPLEMENTATION OF A WIRELESS SENSOR NETWORK APPLICATION
SAHARSH AGARWAL	K.Solomon Raju	IMPLEMENTATION OF ADVANCED SIGNAL PROCESSING TECHNIQUES FOR STRUCTURAL HEALTH MONITORING(SHM) IN VHDL
VAIBHAV SINGH	K K Gupta	BIOLOGICAL-POWER AMPLIFICATION EXOSKELETON FOR PHYSICALLY DISABLED POEPLA.
VIVEK KUMAR	Lucky Sharan	STUDY OF MODULATION FORMATS FOR EFFICIENT TRANSMITTER DESIGN FOR 40 GBPS DWDM NETWORKS.
HARSHIT KISHOR MEHTA	Pawan Sharma	SPEECH SYNTHESIS FROM HINDI TEXT
AKASH GARG	Subodh Johri	DESIGN & STUDY OF AC LEDS
ESHAN BHATIA	K.Solomon Raju	IMPLEMENTATION OF ADVANCED SIGNAL PROCESSING TECHNIQUES FOR STRUCTURAL HEALTH MONITORING.
ANAND KARWA	Akbar	SLIDING MODE CONTROL FOR UNDERWATER ROBOT
BHARGAVA KARAN VIVEK	K K Gupta	BIOLOGICAL POWER AMPLIFICATION EXOSKELETON FOR PHYSICALLY HANDICAPPED PEOPLE
NISHANT DANIA	Shashikant Sadistap	RAINWATER HARVESTING TANK MONITORING USING PIC18 BASED WIRELESS NETWORK - QUALITY PARAMETERS LIKE TDS, PH, AND DEPTH OF TANK(FOR DISCHARGE CALCULATION)
VAIBHAV MADANGOPAL AGRAWAL	Lucky Sharan	DEVELOPMENT OF MATHEMATICAL MODEL TO COMPENSATE DISPERSION AND NONLINEARITIES IN LONG HAUL DWDM SYSTEMS WITH EFFICIENT MODULATION SCHEMES.
FAIZAN AHMED	Asma Rani	STUDY AND IMPLEMENTATION OF ADVANCED ALGORITHMS

LABORATORY PROJECT		
NAME	FACULTY	TITLE
JAIN CHIRAG KAMLESH	Nitin Chaturvedi	CACHE FOR MULTICORE PROCESSORS
ISHAN TYAGI	Shashikant Sadistap	RAINWATER HARVESTING TANK MONITORING USING PIC18 BASED WIRELESS NETWORK - QUALITY PARAMETERS LIKE TDS, PH, AND DEPTH OF TANK(FOR DISCHARGE CALCULATIONS)
AMIT PAREEK	Subodh Johri	DESIGN & STUDY OF AC LEDES
B VIGNESH	K.Solomon Raju	IMPLEMENTATION OF ADVANCED SIGNAL PROCESSING TECHNIQUES FOR STRUCTURAL HEALTH MONITORING.
HEMANG CHAWLA	Bijoy Kumar Raut	INDUSTRIAL MANIPULATORS
DEVASHISH NEMA	B.D.Pant	MICROMACHINING TECHNIQUES FOR FABRICATION OF MEMS: A COMPREHENSIVE STUDY
VORA MEET AMIT	Sanchita Bandyopadhyay Ghosh	DEVELOPMENT OF MICRO-CELLULAR BIONANOCOMPOSITES
ARNAV JAIN	NN Sharma	MICROTHRUSTERS : ANALYSIS OF PROPULSION MECHANISM AND FABRICATION AT MACRO LEVEL.
PRANAV ARUN KEDIA	Sonal Mazumder	SYNTHESIS AND CHARACTERIZATION OF NOVEL POLYMERIC NANOPARTICLES FOR DRUG DELIVERY.
B SRUNGEER SIMHA	Sonal Mazumder	SYNTHESIS AND CHARACTERIZATION OF NOVEL POLYMERIC NANO PARTICLES FOR DRUG DELIVERY
V KAUSHIK RAJ	Smita Raghuvanshi	CARBON-DIOXIDE MITIGATION USING PURE STRAIN OF ALGAE
SIDHARTHA PANDA	HK Mohanta	KINETIC STUDY OF METHYL ACETATE REACTIVE DISTILLATION COLUMN.
ROSHAN MISHRA	P Chattopadhyay	STUDY OF ETHANOL BASED FOAM STABILITY
MANIK BANSAL	Smita Raghuvanshi	BIO DEGRADATION OF GAS OIL BASED COMPOUNDS AND CHLORINATED VOCS
SYED RAHEEM	HK Mohanta	DESIGN OF REACTIVE DISTILLATION FOR METHYL-ACETATE PRODUCTION
THOMBRE MANDAR NITIN	Pratik N Sheth	PRODUCTION AND RECOVERY OF CHEMICALS FROM BIO-OIL
ADITYA SHARMA	Sonal Mazumder	SUPERHYDROPHOBIC NANO COATINGS - LOTUS LEAF THEORY
ANANT AGARWAL	Suresh Gupta	REMOVAL OF HEAVY METALS FROM INDUSTRIAL WASTE WATER USING METALLIC NANOPARTICLES AS ADSORBENTS
AKANKSHA	Sonal Mazumder	SUPER HYDROPHOBIC NANO COATINGS – LOTUS LEAF THEORY
AYAN SEN	Banasri Roy	NANO SCALE SYSTEMS FOR SOLID OXIDE FUEL CELL: MECHANISM, PREPARATION AND DEVELOPMENT.
SHREYAS SANGHVI	Suresh Gupta	EXPERIMENTAL AND THEORETICAL STUDIES FOR REMOVAL OF HEAVY METALS FROM INDUSTRIAL WASTE WATER USING BIOREMEDIATION
TANAY SHANKAR	Suresh Gupta	REMOVAL OF HEAVY METALS FROM INDUSTRIAL WASTEWATER USING METALLIC NANO-PARTICLES AS ADSORBENTS
GYAN PRAKASH VERMA	G Muthukumar	TO ANALYSE THE USE OF ADMIXTURES AND PLASTICIZERS IN CONCRETE MIX DESIGN.
MOHIT GUPTA	Ajit Pratap Singh	REAL LIFE APPLICATIONS OF FLUID FLOW ANALYSIS USING CFD.
HIMANSHU	Amit Goel	CONDITION EVALUATION OF THE PAVEMENTS.

LABORATORY PROJECT

NAME	FACULTY	TITLE
HARISH KUMAR MULCHANDANI	Ajit Pratap Singh	REAL LIFE APPLICATIONS OF FLUID FLOW ANALYSIS USING CFD.
AKHIL GARG	AK Sarkar	USE OF WASTE MATERIAL FOR THE CONSTRUCTION OF LOW VOLUME ROADS TO ANALYSE THE USE OF ADMIXTURES AND PLASTICIZERS IN CONCRETE MIX DESIGN.
SHUBHAM SHARMA	G Muthukumar	CONDITION EVALUATION OF PAVEMENTS.
PRATEEK NARAIN SHARMA	Amit Goel	CONDITION EVALUATION OF PAVEMENTS TO STUDY THE FLEXURAL BEHAVIOUR OF CONCRETE FILLED RECTANGULAR CHANNEL TUBES
NAVNEET YADAV	Amit Goel	SHEAR STRENGTH CHARACTERISTICS OF CEMENT INTERMIXED PILANI SOIL
SAMARTH INANI	Manoj Kumar	KINETICS AND ISOTHERMAL STUDY FOR BIOSORPTION
KURRA UMESH	Kamlesh Kumar	APPLICATION OF GIS ON AGRICULTURAL DEVELOPMENT AND PRODUCTION IN INDIA
KARAN ACHARYA	Anupam Singhal	STUDY OF CARBON NANO TUBE THIN FILM TRANSISTORS
GARAPATI AVINASH	R Gupta	MODELLING OF NON-LINEAR EFFECTS IN WDL NETWORKS
ASHISH VERMA	Sneh Lata Murotiya	DESIGN AND DEVELOPMENT OF VLSI ARCHITECTURE FOR IMAGE RE-SIZING ALGORITHMS.
TOL KOUSTUBH MANGESH	Lucky Sharan	DESIGN AND ANALYSIS OF MIXED SIGNAL CIRCUITS USING ADIABATIC LOGIC IN CMOS/CNTFET PROCESS.
SUJAY N V	Sanjay Singh	DESIGN OF LOW POWER MICROARCHITECTURE FOR DSP BLOCKS FOR STRUCTURE HEALTH MONITORING IN VHDL AND IMPLEMENTATION ON FPGA
AJAY SINGHVI	Anu Gupta	INVERTER DESIGN FOR HYBRID ELECTRIC VEHICLES
S BALASUBRAMANIAM	K.Solomon Raju	HAND GESTURE RECOGNITION FOR HCI
KIRAN V SHARMA	Rajneesh Kumar	STUDY OF CARBON NANO TUBE THIN FILM TRANSISTORS
KAUSTUBH SHEKHAR TANMANE	Anil Kumar Saini	FPGA BASED IMPLEMENTATION OF VLSI ARCHITECTURE FOR IMAGE RESIZING ALGORITHMS
DIVYANSHU CHOUDHARY	Sneh Lata Murotiya	STUDY AND SIMULATION OF COGNITIVE RADIO DESIGN
PRANAV NARAYAN GOUR	Sanjay Singh	RF COMMUNICATION SYSTEM FOR UNDERWATER ROBOTICS SYSTEM
YUVRAJ SAHNI	Vinod Kumar Chaubey	DESIGN AND ANALYSIS OF MIXED SIGNAL CIRCUITS USING ASYNCHRONOUS PRINCIPALS
ARVIND BISWAL	Akbar	VERIFICATION OF MAC USING ASIC
ABHISHEK ADIGA	Anu Gupta	DESIGN AND IMPLEMENTATION OF
SINGH SONALI MITHILESHKUMAR	Pawan Sharma	INTERFACE(I2C, SPI, RS232) & PROGRAMMING USING CORTEX M3 OR ARM MO+
AKSHIT SANDOOJA	Pramod Kumar	DIGITAL INTERFACING OF BUSES TO SENSORS FROM FPGA AND RECONFIGURABLE COMPUTING
SRINIVAS GOPAL B V	K.Solomon Raju	DESIGN AND IMPLEMENTATION OF INTERFACE(I2C,SPI,RS232)AND PROGRAMMING USING CORTEX M3 AND ARM MICROCONTROLLER
DEEPANSH DUBEY	Pramod Kumar	ADVANCED TOPICS IN QUANTUM
HIMANISH GANJOO	RR Mishra	

LABORATORY PROJECT		
NAME	FACULTY	TITLE
		MECHANICS
ARPIT GUPTA	Shashikant Sadistap	IT APPLICATION IN PRECISION AGRICULTURE USING SENSORS AND IMAGE PROCESSING
PRIYESH SHUKLA	K.Solomon Raju	DESIGN OF AN INTERFACE BETWEEN WARP AND ZIGBEE DEVICE.
ANUPAM SONI	Akbar	DESIGN AND SIMULATION OF UNDERWATER ACOUSTIC COMMUNICATION SYSTEMS
PARAS KUMAR AGARWAL	Akbar	DESIGN AND SIMULATION OF UNDERWATER ACOUSTIC DIGITAL COMMUNICATION SYSTEM USING QPSK MODULATION
DEEPANSHU BHATIA	Lucky Sharan	STUDY OF HIGH SPEED OPTICAL NETWORKS.
AKSHAY G. SHANBHAG	Lucky Sharan	MODELLING OF NON-LINEAR EFFECTS IN OPTICAL FIBRE USING MATLAB FOR HIGH SPEED DWDM SYSTEM
DIGVEER DE	Vinita Tiwari	SIMULATION OF LTE PHYSICAL LAYER IN MATLAB.
NINAD NAVAL	Vinita Tiwari	MODELING OF ROUTING AND WAVELENGTH ASSIGNMENT ALGORITHM IN COMMUNICATION NETWORKS
ABHISHEK KALANTRI	Akbar	DESIGN AND SIMULATION OF UNDERWATER ACOUSTIC COMMUNICATION SYSTEMS
ASHWIN R	K.Solomon Raju	DESIGN OF DIGITAL SIGNAL PROCESSING (DSP) MODULES FOR STRUCTURAL HEALTH MONITORING (SHM) IN VHDL AND IMPLEMENTATION IN FPGA
SAI SRIKAR REDDY METTU	Vinita Tiwari	MODELLING AND SIMULATION OF OPTICAL HIGH SPEED LINK IN PRESENCE OF NON-LINEARITY
SAI SRIKAR REDDY METTU	K K Gupta	WAVELET BASED FEATURE EXTRACTION OF SPEECH SIGNAL
NAMAN MAHESHWARI	K.Solomon Raju	IMPLEMENTATION OF ADVANCED SIGNAL PROCESSING TECHNIQUES FOR STRUCTURAL HEALTH MONITORING(SHM) IN VHDL
BINNANI SUMIT GOVINDLAL	Anil Kumar Saini	HAND GESTURE RECOGNITION FOR HCI
ADITYA PRAKASH	Ashish Mishra	C TO VERILOG COMPILER CONSTRUCTION USING LLVM INFRASTRUCTURE.
RITESH JAISWAL	Abhijit R Asati	ANALOG CIRCUIT DESIGN WITH MOSFETS OPERATING IN SUB-THRESHOLD REGION WITH AN AIM TO SIGNIFICANTLY REDUCE POWER CONSUMPTION.
SUYASH SHRIVASTAVA	Anil Kumar	STUDY AND SIMULATION OF CNTFET DEVICES (CARBON NANOTUBE BASED FIELD EFFECT TRANSISTORS)
S ARUN	K.Solomon Raju	DEVELOPMENT AND IMPLEMENTATION OF SENSOR INTERFACE LOGIC TO FPGA BOARD
LAD OMKAR ASHOK	Akbar	SLIDING MODE CONTROL FOR UNDER WATER ROBOT
SAURABH GUPTA	Anil Kumar	SIMULATION OF ELECTRON CONFINEMENT REGIME IN QUANTUM DOTS IN SILVACO
RUPANSHI	Nitin Chaturvedi	CACHE FOR MULTICORE PROCESSORS
SAGAR RAHEJA	NN Sharma	MICRO-THRUSTERS: ANALYSIS OF PROPULSION MECHANISM AND FABRICATION AT MACRO LEVEL
MEHTA SAGAR AJIT	Shashikant Sadistap	HEIGHT MEASUREMENT OF CROPS USING IMAGE PROCESSING TECHNIQUES

LABORATORY PROJECT		
NAME	FACULTY	TITLE
STEPHANIA ANN MATHEW	Anil Kumar	TRANSPARENT CONDUCTING LAYERS FOR SOLAR CELLS
NANDWANA ABHISHEK	Lucky Sharan	STUDY OF MODULATION FORMATS FOR EFFICIENT TRANSMITTER DESIGN FOR 40 GBPS DWDM NETWORKS.
PATEL DHRUV BHARATBHAI	B.D.Pant	DESIGN AND DEVELOPMENT OF A MEMS MICROFLUIDIC LAB-ON-CHIP USING A MICRO MOLDING TECHNOLOGY
RUPESH KUMAR GUPTA	Arun Kumar Jalan	VIBRATION ANALYSIS OF MULTI-STORIED STRUCTURE.
RAGHAV AGARWAL	Sanchita Bandyopadhyay Ghosh	COMPOSITE MATERIAL FOR ABSORBING RADIATION FROM MOBILE PHONES.
MOHAMMAD ATIF	NN Sharma	MICROTHRUSTERS : ANALYSIS OF PROPULSION MECHANISM AND FABRICATION AT MACRO LEVEL
DEBAYAN MITRA	P Srinivasan	SIMULATION OF TEMPERATURE DISTRIBUTION DURING VARIOUS MACHINING PROCESSES.
BHILARE SANKET SATISH	Kuldip Singh Sangwan	LIFE CYCLE ASSESSMENT OF PRODUCT AND PROCESSES FOR SUSTAINABLE MANUFACTURING
SOLANKI PREM KISHORE	MS Dasgupta	EFFECT OF FRICTION STIR WELDING PARAMETERS AND GEOMETRY
MEHTA PARAS YOGESHKUMAR	P Srinivasan	PARAMETERS ON THE TRANSIENT TEMPERATURE DISTRIBUTION. SIMULATION OF TEMPERATURE DISTRIBUTION DURING VARIOUS MACHINING PROCESSES.
ADITI BHANDARI	Priti Jain	TO ASSESS THE INHIBITORY ACTIVITY OF CPDS AS BACE INHIBITION .
MEDHA SINGH	Archana K K	NOVEL DRUG DELIVERY SYSTEM FOR A SELECTED DRUG
AQSA INAYAT	Asma Rani	STUDY AND IMPLEMENTATION OF ADVANCED ALGORITHMS.
MANSI GUPTA	Virendra S Shekhawat	DESIGNING DATA CENTER TOPOLOGY
RAMYA KUSUMA PILLUTLA	Shan Balasubramaniam	ONLINE TEST SYSTEM
ABHISHEK TYAGI	Surojit Pande	SYNTHESIS OF CUO-PT(CORE-SHELL) NANOPARTICLE AND THEIR APPLICATION IN FUEL CELL CATALYSIS.
AAKARSH PRASAD	Anshuman Dalvi	EFFECT OF IONIC LIQUID ON LITHIUM ION CONDUCTING POLYMER ELECTROLYTE
SRISHTI BAJORIA	Dheeraj Singh	IMAGE PROCESSING AND TRACKING
SABBINENI NAVNEET	Asma Rani	IMPLEMENTING A SOFTWARE/INTERFACE FOR MEASUREMENT OF SECURITY LEVELS IN INFORMATION SYSTEMS USING ANP APPROACH.
VARTIKA AGARWAL	Dheeraj Singh	IMAGE PROCESSING AND TRACKING
PREET KAPOOR	Sunita Singhal	MULTI OBJECTIVE GRID SCHEDULING ALGORITHMS
ABHINAV KUMAR	Asma Rani	IMPLEMENTING A SOFTWARE/INTERFACE FOR MEASUREMENT OF SECURITY LEVELS IN INFORMATION SYSTEMS USING ANP APPROACH
VAIBHAV GUPTA	Anil Kumar Saini	OBSTACLE AVOIDANCE USING IMAGE PROCESSING
TEJAS BHALLA	Uma S Dubey	STUDY OF THE ANTICANCER PROPERTIES OF MAMMALIAN MILK AND THE MATHEMATICAL MODELLING OF THE IMMUNE SYSTEM
ABHINANDAN SAIN	Prashant U Manohar	STATIC AND DYNAMIC ELECTRON CORRELATION IN ATOMS AND MOLECULES
SANJEED MOHAMMED H	Shamik Chakraborty	SYNTHESES AND PHOTO-PHYSICAL

LABORATORY PROJECT		
NAME	FACULTY	TITLE
SCHAMNAD		CHARACTERIZATION OF HYDROXY SUBSTITUTED SCHIFF BASES OBTAINED FROM SALICYLALDEHYDE AND SUBSTITUTED AROMATIC AMINES.
MAYANK SHARMA	Smita Raghuvanshi	BIO DEGRADATION OF GAS OIL BASED COMPOUNDS AND CHLORINATED VOCS.
ANIMESH DAS	SC Bose	CIRCUIT DESIGN USING NON-CONVENTIONAL MOSFET STRUCTURES
TANUJ SEN	Hari Om Bansal	FAULT DIAGNOSIS OF AN INDUCTION MOTOR
SIDDHANSH AGARWAL	NN Sharma	DIELECTROPHORESIS BASED MEMS/MICROFLUIDICS CHIP
ASHWINI POKLE	Murali P	SOLVING ROUTING ISSUES IN AN AD HOC ENVIRONMENT WITH PARTIALLY DISCONNECTED COMPONENTS BY INTRODUCING ADDITIONAL MOBILE NODES.
SHRUTI GUPTA	Murali P	ROUTING ISSUES IN AN AD-HOC ENVIRONMENT WITH PARTIALLY DISCONNECTED COMPONENTS WITH ADDITIONAL MOBILE NODES
PRATEEK JAIN	Uma S Dubey	STUDY OF THE ANTICANCER PROPERTIES OF MAMMALIAN MILK AND THE MATHEMATICAL MODELLING OF THE IMMUNE SYSTEM
RACHIT JAIN	G S Sessa Chalapathi	DESIGN AND IMPLEMENTATION OF A WIRELESS SENSOR NETWORK APPLICATION
SPECIAL PROJECT		
NAME	FACULTY	TITLE
ROHIT UPRETI	Tapomoy G Sarkar	QED PROCESSES IN QUANTUM FIELD THEORY
MUNDHADA VYANKATESH MANOJ	Amit Kumar Verma	A STUDY OF ALGEBRAIC TOPOLOGY
KSHITIJ SAXENA	Tapomoy G Sarkar	QED PROCESSES IN QUANTUM FIELD THEORY
AYUSH RAWAT	Shibani K Jha	MULTI-PHASE FLOW THROUGH POROUS SYSTEMS AND ANALYSIS USING FLUENT AND SIGMA PLOT
SUDIP KUNDA	Shibani K Jha	MULTI-PHASE FLOW THROUGH POROUS SYSTEMS AND ANALYSIS USING FLUENT AND SIGMA PLOT
UDIT SHANKAR DASGUPTA	Shibani K Jha	MULTI-PHASE FLOW THROUGH POROUS SYSTEM AND ANALYSIS USING FLUENT AND SIGMA PLOT
PRATEEK JAIN	Ajit Pratap Singh	ANALYSIS OF CARBON FOOTPRINTING OF A BUILDING
SAUMITR SHARMA	Shibani K Jha	MULTI-PHASE FLOW THROUGH POROUS SYSTEMS AND ANALYSIS USING FLUENT AND SIGMA PLOT
ARMAAN GUPTA	Ravi Kant Mittal	IMPROVING PROPERTIES OF GRANULAR SOIL USING WASTE MATERIALS.
SARVAGYA BAHADUR	Dipendu Bhunia	APPLICATIONS OF STRAW BALE IN LOW COST HOUSE CONSTRUCTION SUBJECTED TO EARTHQUAKES
AYUSH SINGH	Ajit Pratap Singh	ANALYSIS OF CARBON FOOTPRINT OF BUILDING.
MANAS LOHANI	Shibani K Jha	MULTI-PHASE FLOW THROUGH POROUS SYSTEM AND ANALYSIS USING FLUENT AND SIGMA PLOT
SHUBIT MINOCHA	Shibani K Jha	MULTI-PHASE FLOW THROUGH POROUS SYSTEM AND ANALYSIS USING FLUENT

SPECIAL PROJECT		
NAME	FACULTY	TITLE
		AND SIGMA PLOT
NIBIR PATHAK	P Srinivasan	DESIGN AND SIMULATION OF COMPACT AIR COOLED HEAT EXCHANGER USING NANOFLUIDS
SNEHA SUMAN	Jitendra Panwar	NANOPARTICLES AND MICROBIAL SYSTEMS
AKSHAY S MENON	P Srinivasan	A STUDY ON COOLING OF ELECTRONIC COMPONENTS
RITVIK VASAN	P Srinivasan	STUDY ON COOLING OF ELECTRONIC COMPONENTS
PRITHVIJIT MUKHERJEE	P Srinivasan	DESIGN AND SIMULATION OF COMPACT AIR COOLED HEAT-EXCHANGER USING NANOFLUIDS
ROHAN PASSEY	G S Sesha Chalapathi	EFFICIENT CACHE BLOCK REPLACEMENT STRATEGY - SINGLE-CORE AND MULTI-CORE SYSTEMS
DIVYA ANSH ANUJ	G S Sesha Chalapathi	EFFICIENT CACHE BLOCK REPLACEMENT STRATEGY - SINGLE-CORE AND MULTI-CORE SYSTEMS
ABHISHEK KANODIA	Vinita Tiwari	TO UNDERSTAND THE VARIOUS CHALLENGES IN VARIOUS OPTICAL FIBERS
ANSHUL AGRAWAL	Srikanta Routroy	GENETIC ALGORITHM FOR SUPPLY CHAIN INVENTORY CONTROL
MANISH SINGH	Srinivas Kota	STUDY OF GREEN SUPPLY CHAIN STRATEGY
SHUBHAM GUPTA	Rajesh P Mishra	DEVELOPMENT OF AN ASSESSMENT MODEL FOR TOYOTA PRODUCTION SYSTEM IN MANUFACTURING INDUSTRY (AUTOMOBILE SECTOR)
NIKUNJ AGARWAL	Srikanta Routroy	STUDY OF GREEN AND AGILE SUPPLY CHAIN STRATEGY.
SHAH KETUL SAMIR	Rajesh P Mishra	DEVELOPMENT OF AN ASSESSMENT FOR TOYOTA PRODUCTION SYSTEM IN MANUFACTURING INDUSTRY (AUTOMOBILE SECTOR).
KONDEPATI LEELA KRISHNA	R Gupta	EVALUATION OF TENDERS
SHAILENDRA SHARMA	Shibani K Jha	MULTIPHASE FLUID FLOW THROUGH POROUS SYSTEM AND ANALYSIS USING FLUENT AND SIGMA PLOT
UTPAL SANNYASHI	Dipendu Bhunia	STRAW BALE HOUSING (TESTS FOR DETERMINING STABILITY AND STRENGTH)
GAUTAM BOTHRA	Arvind Sudarshan	QUANTITATIVE IMPACT ON SHARE PRICES AFTER STOCK SPLIT AND DIVIDEND ANNOUNCEMENT.
DAYESH JAISWAL	Shamsher B Singh	OPTIMISATION OF STRENGTH AND ANALYSIS OF RCC BEAMS AND MASONRY COLUMNS BY INCORPORATING FERROCEMENT LAMINATES.
KARAN CHAUHAN	Kiran DC	LLVM SUPPORT FOR MULTICORE PROCESSOR
AGRAWAL SHUCHI SANJAY	Pramod Kumar	FPGA IMPLEMENTATION OF DISCRETE WAVELET TRANSFORM SIGNAL PROCESSING FILTER FOR STRUCTURAL HEALTH MONITORING(SHM)
LUV SEHRAWAT	A K Giri	AN EMPIRICAL ANALYSIS OF THE RELATIONSHIP BETWEEN STOCK MARKET INDICES AND MACROECONOMIC VARIABLES
SARWESH SHAH	Rahul Banerjee	INVESTIGATIONS INTO THE EVALUATION AND INTERACTIVE LABORATORY SUPPORT ASPECTS OF MOOC PLATFORMS WITH EMPHASIS ON THE OPEN-EDX-BASED ANY-LEARN INITIATIVE

SPECIAL PROJECT		
NAME	FACULTY	TITLE
		AT BITS PILANI
P AKSHAY KUMAR VARMA	Abhijit K Digalwar	MEASURING THE GREENNESS OF AN ORGANIZATION: SOME PERSPECTIVES
ANKUSH GUPTA	Arvind Kumar Sharma	WATER AND WASTEWATER; PROBLEMS AND SOLUTIONS
PRAKSHI CHOUDHARY	Omvir Chaudhry	A STUDY OF THE INTER TEMPORAL DOMESTIC SAVING AND INVESTMENT BEHAVIOR OF INDIAN HOUSEHOLDS
P DEEPAK PRASHANTH	Rahul Banerjee	INVESTIGATIONS INTO THE EVALUATION AND INTERACTIVE LABORATORY SUPPORT ASPECTS OF MOOC
TARUN SINGH	Ravi Kant Mittal	PLATFORMS WITH EMPHASIS ON THE OPEN-EDX-BASED ANY-LEARN INITIATIVE AT BITS PILANI
		DESIGN OF FOUNDATIONS AND RETAINING STRUCTURES SUBJECTED TO DYNAMIC LOADING.

LAB ORIENTED PROJECTS		
NAME	FACULTY	PROJRCT TITLE
YASHA BHARADWAJ	Priti Jain	TBA
JERIN ROY	Manjuladevi V	ELECTRO-OPTIC SWITCHING IN LIQUID CRYSTALS AND NANO-COMPOSITES OF LIQUID CRYSTALS.
SIDDHARTH CHOWDHURY	Rajesh P Mishra	TO DESIGN A FIXTURE FOR WELDING PROCESS
ASHISH BIHANI	Lalita Gupta	CHARACTERIZATION OF ABC TRANSPORTERS AND THEIR ROLE IN MOSQUITO IMMUNITY
MONICA JAIN	Anupam Singhal	CHARACTERIZATION OF GROUNDWATER OF BITS-PILANI CAMPUS.
ADHIRAJ SINGH RATHORE	Sanghamitra Kundu	EVALUATION OF GROUNDWATER POLLUTION POTENTIAL OF KHETRI COPPER MINE TAILINGS AND ITS FEASIBILITY IN ITS USE AS CONSTRUCTION MATERIAL
NISHA	Shamsher B Singh	STUDY OF STRUCTURAL RESPONSE OF FRP REINFORCED MASONARY STRUCTURES
NEETI POKHARNA	Ravi Saini	VLSI IMPLEMENTATION OF COLOR EDGE DETECTION
NIVIDA GUPTA	Ravi Saini	VLSI IMPLEMENTATION OF COLOR EDGE DETECTION
AVINASH KUMAR	Sharad Srivastava	TO STUDY THE MATERIAL BEHAVIOUR OF GLASS,JUTE AND SILK FIBER IE (HYBRID COMPOSITES)
NAIK SHILPA SHESHADRI	Subrata Bandhu Ghosh	SYNTHESIS OF BIO COMPOSITES , TESTING FOR THEIR BIOCOMPATIBILITY FOR BIOMEDICAL APPLICATIONS AND LIFE CYCLE ASSESSMENT.
HATIM MANSOOR GANDHI	Sharad Srivastava	EFFECT OF STRAIN RATE AND TEMPERATURE ON MECHANICAL PROPERTIES OF GLASS-JUTE-SILK FIBRES.
ANUJ GUPTA	Surekha Bhanot	PLC BASED SOLAR TRACKING SYSTEM
KANCHIBHOTLA	Shamsher B Singh	DEPTH OF CARBONATION OF CONCRETE
BHARGAVADUTT	Shamsher B Singh	DEPTH OF CARBONATION OF CONCRETE
KUNAPAREDDY MOHAN SUDHEER	Shamsher B Singh	DEPTH OF CARBONATION OF CONCRETE
KSHITIJ DAWAR	Rajesh P Mishra	DESIGN, DEVELOPMENT & FABRICATION OF FIXTURES
DEEPSHIKHA PUROHIT	Anil Kumar	COPPER CATALYZED SYNTHESIS OF

LAB ORIENTED PROJECTS

NAME	FACULTY	PROJRCT TITLE
SHAHADE KETAN GAJANANRAO	Rajesh P Mishra	NOVEL HETEROCYCLIC COMPOUNDS DESIGN, DEVELOPMENT & FABRICATION OF FIXTURES
AGNI PUSHUP	Sanghamitra Kundu	EVALUATION OF GROUNDWATER POLLUTION POTENTIAL OF KHETRI COPPER MINE TAILINGS AND ITS FEASIBILITY IN ITS USE AS CONSTRUCTION MATERIAL.
RAHUL ANAND	Pawan Sharma	SPEECH SYNTHESIS
APOORV JINDAL	Anshuman Dalvi	GROWTH OF LI ION SUPERIONIC NANO-CRYSTALS IN LI2O BASED OXIDE GLASS
SAHIL MEHTA	Pawan Sharma	SPEECH SYNTHESIS
TANYA MISHRA	K.Solomon Raju	IMAGE RETRIEVAL USING C AND APPLICATION TO EMBEDDED SYSTEMS
YUVRAAJ KUMAR	Surekha Bhanot	PLC BASED SOLAR TRACKING SYSTEM.
SURAMPALLI AKASH	Manjuladevi V	ELECTRO-OPTIC SWITCHING IN LIQUID CRYSTALS AND NANOCOMPOSITES OF LIQUID CRYSTALS
MUDIT	Smita Raghuvanshi	BIO-FILTRATION OF CHLORINATED VOCS
MOHINISH KANT JOSHI	Dipendu Bhunia	EFFECT OF CARBONATION ON STRENGTH OF CONCRETE CONTAINING FLYASH
ANKUSH AGARWAL	Dipendu Bhunia	EFFECT OF CARBONATION ON SELF-COMPACTED CONCRETE.
CHITRANSH AGRAWAL	Dipendu Bhunia	EFFECT OF CARBONATION ON SELF COMPACTED CONCRETE
RACHIT JAIN	Shamsher B Singh	APPLICATION OF FIBRE REINFORCED POLYMER CONCRETE AND CHECKING ITS EFFECTIVENESS BY LAB WORK.
PALASH V SIDDAMSETTIWAR	Dipendu Bhunia	EFFECT OF CARBONATION ON THE DURABILITY OF CONCRETE USING FLY ASH
CHETAN CHALOTRA	Pramod Kumar	UNDERSTANDING AND WORKING ON ZIGBEE WIRELESS SENSOR NETWORKS
TADEPALLI SITA RAMA PAVAN KUMAR	Srinivas Reddy K	FPGA IMPLEMENTATION OF DSP APPLICATIONS
KONERU KIRAN BABU	Srinivas Reddy K	STUDY OF LATEST TECHNOLOGIES IN COGNITIVE RADIO
NANDAN. K. S	Srinivas Reddy K	ANALYSIS OF DIFFERENT DIGITAL LOGIC CIRCUITS USING CADENCE EDA TOOLS
NEERAJA SRIDHAR	Vinita Tiwari	MODELLING & SIMULATION OF HIGH SPEED OPTICAL LINK FOR LONG DISTANCE COMMUNICATION
KOTA SAI JAGADISH	Srinivas Reddy K	FPGA IMPLEMENTATION OF DSP APPLICATIONS.
KARANAM SIRISHA	Srinivas Reddy K	DESIGN OF HIGH SPEED ARITHMETIC CIRCUITS
YALAVARTHI RAGHU RAM	A Anand Kumar	IMPLEMENTATION OF FIR FILTER IN DSP
ANKUSH TAKYAR	Shashikant Sadistap	WATERSHED MANAGEMENT
SHAH SHARVIN PRAFULL	Nitin Chaturvedi	COMPARISON OF ANALOG, DIGITAL & ALL-DIGITAL PHASE LOCKED LOOPS (PLL) & DESIGNING OF THE BETTER PLL IMPLEMENTING SPREAD SPECTRUM CLOCK GENERATION (SSCG) FOR HIGH SPEED DIGITAL APPLICATIONS
POTLA BHARATH	A Anand Kumar	MTTP OF A SOLAR CHARGE CONTROLLER
PERLA NAVYA	Srinivas Reddy K	DESIGN OF HIGH SPEED ARITHMETIC CIRCUITS
MIHIR BAKHAI	Abhijit K Digalwar	UNPLANNED DOWNTIME REDUCTION IN AUTOMOBILE INDUSTRY USING LEAN MANUFACTURING TOOLS
VED BHAVIN PRADEEP	Nitin Chaturvedi	COMPARISON OF ANALOG, DIGITAL & ALL-DIGITAL PHASE LOCKED LOOPS (PLL) &

LAB ORIENTED PROJECTS		
NAME	FACULTY	PROJRCT TITLE
JAYESH LATA	Pramod Kumar	DESIGNING OF THE BETTER PLL IMPLEMENTING SPREAD SPECTRUM CLOCK GENERATION (SSCG) FOR HIGH SPEED DIGITAL APPLICATIONS
ANISHSANJAY NAYAK	B.D.Pant	UNDERSTANDING AND WORKING ON ZIGBEE WIRELESS SENSOR NETWORKS' TECHNOLOGY
TANVANGI TIWARI	Surekha Bhanot	MEMS BASED ENERGY HARVESTER DEVELOPMENT OF A HUMAN-COMPUTER INTERFACE FOR DISABLED PERSONS USING EEG SIGNALS
MOHIT TEWARI	Anu Gupta	EXPLORATION , ANALYSIS AND DESIGN OF POWER, DELAY EFFICIENT CIRCUITS IN EMERGING TECHNOLOGIES
SWARNIK	K K Gupta	ACOUSTIC SIGNAL ANALYSIS
KUHELI JATI	Nitin Chaturvedi	COMPARISON OF ANALOG, DIGITAL & ALL-DIGITAL PHASE LOCKED LOOPS (PLL) & DESIGNING OF THE BETTER PLL IMPLEMENTING SPREAD SPECTRUM CLOCK GENERATION (SSCG) FOR HIGH SPEED DIGITAL APPLICATIONS
AKSHAY KUMAR SHARMA	Anu Gupta	EXPLORATION, ANALYSIS OF EMERGING TECHNOLOGIES FOR DESIGN OF ENERGY EFFICIENT CIRCUITS
AKSHAY GARG	Shashikant Sadistap	WATERSHED MANAGEMENT
AASHNA MITTAL	Surekha Bhanot	DEVELOPMENT OF A HUMAN-COMPUTER INTERFACE FOR DISABLED PERSONS USING EEG SIGNALS
ANISH MANNAM	Anupam Singhal	UTILISATION OF PICKLING SLURGE IN MANUFACTURING OF INTERLOCKING TILES
K ARJUN SAI	Sushila Shekhawat	DOCUMENTARY FILM ON "EDUCATIONAL CHALLENGES FACED BY PEOPLE IN JUNJHUNU DISTRICT".
PALAK JOSHI	Archana K K	NOVEL DRUG DELIVERY SYSTEM FOR A SELECTED DRUG
KARTHIK GANESH	Amol M R Marathe	CHAOS THEORY IN VIBRATION SYSTEM AND ITS IMPLICATION

STUDY ORIENTED PROJECTS		
NAME	FACULTY	PROJECT TITLE
VISHI JHALANI	Sangeeta Sharma	DATA MINING IN ADVERTISING AND ITS IMPACT ON CONSUMER BEHAVIOR
MANOHAR SINGH	Rajneesh Choubisa	THE CORRRUPTIBILITY OF GOVERNMENT OFFICIALS IN SHEKHAWATI REGION
KARTHIK GANESH	Udayan Chanda	A DETAILED ANALYSIS OF FACTORS INFLUENCING ELECTRONIC REVERSE AUCTIONS (ERA) STRATEGIES INVOLVED IN PROCUREMENT PROCESSES OF SUPPLY CHAIN IN THE ENERGY SECTOR.
NISHANT AGARWAL	Srinivas Kota	STUDY OF LEAN SUPPLY CHAIN STRATEGY
CHARUDATT CHAUDHARI	Ruchika Sharma	EFFECT OF COLOURS IN ADVERTISEMENTS
DIKE CHAITANYA ANIL	Jyoti	STUDY OF CORPORATE STRATEGY OF TOP FORTUNE INDIA 500 COMPANIES ACROSS VARIOUS SECTORS: FINDINGS AND RECOMMENDATIONS
SIDDHARTH CHOWDHURY	Srinivas Kota	STUDY OF PRODUCT AFTER USE PROCESS IN INDIA
PRABHSIMRAN SINGH	Rajesh P Mishra	AN EMPIRICAL STUDY ON QUALITY MANAGEMENT PRACTICES IN INDIAN

STUDY ORIENTED PROJECTS

NAME	FACULTY	PROJECT TITLE
		MANUFACTURING INDUSTRIES
SIDDHARTH NARAYAN AVADHANAM	Tapomoy G Sarkar	QUANTUM MECHANICS OF GRAPHENE.
RAJAT SETHI	Ravi Kant Mittal	EARTHQUAKE RESISTANT DESIGN OF FOUNDATIONS
PURURAJ SINGH	Shuvendu N Patel	DYNAMIC ANALYSIS OF COMPOSITE PLATES USING FINITE ELEMENT METHOD.
HARSHIT SHARMA	Kamlesh Kumar	STUDY ON TUNNEL CONSTRUCTION
SHAIL HARIDAS PILLAY	Anshuman	PARAMETRIC MODELLING USING CAD
NAGABHIRU VAMSI KRISHNA	Rikmantra Basu	STUDY PROJECT ON SOI MOSFETS
HATIM MANSOOR GANDHI	Shibasish Chowdhury	APPLICATION OF BIOMOLECULES IN NANOWARE.
PERSHANT GOYAL	Srikanta Routroy	GENETIC ALGORITHM FOR SUPPLY CHAIN INVENTORY CONTROL
UTKARSH YADAV	Jitendra S Rathore	AERODYNAMIC ANALYSIS OF SPACE VEHICLES RE-ENTERING THE ATMOSPHERE
SUMIT SAINI	Rajneesh Choubisa	THE CORRRUPTIBILITY OF GOVERNMENT OFFICIALS IN SHEKHAWATI REGION
SEEMA SAINI	Gajendra S Chauhan	THE DIFFERENCES BETWEEN ONLINE NEWSPAPER AND PRINT NEWSPAPER AND REASON WHY ONLINE NEWSPAPER IS THREAT TO PRINT NEWSPAPERS EXISTENCE
PRASHANT BIKA	Gajendra S Chauhan	THE DIFFERENCES BETWEEN ONLINE NEWSPAPER AND PRINT NEWSPAPER AND REASON WHY ONLINE NEWSPAPER IS THREAT TO PRINT NEWSPAPERS EXISTENCE
RUBIA R	Sarvesh Satija	POSITIVE ORGANIZATION PRACTICES IN DATA GROUP OF COMPANIES.
ANKITA DUGGAL	Pushp Lata	USE OF SOCIAL NETWORKING SITES FOR LANGUAGE PEDOLOGY.
ANURAG RAWAT	Umesh Dhyani	MEDICAL/DRUG POLICY IN INDIA
JESIN ROY	Bhupendra K Sharma	DIFFERENTIAL EQUATIONS.
PRAVEEN KUMAR SANWARIA	Umesh Dhyani	NATIONAL POLICY ON INFORMATION TECHNOLOGY IN INDIA
PRASAD DESAI	Tanu Shukla	ROLE OF POSITIVE LEADERSHIP IN IMPROVING ORGANIZATIONAL EFFECTIVENESS
POLAMARASETTY VINAYKUMAR	P Srinivasan	UTILISATION OF SOLAR ENERGY BOTH FOR HEATING AND COOLING
KAMAL SAJNANI	Satyendra Kr Sharma	RISK ANALYSIS IN GLOBAL SOURCING
SHAIK ABDUL ASIF	Rajesh P Mishra	ENHANCING ROBUST DESIGN WITH THE AID OF TRIZ AND AXIOMATIC DESIGN
GANGAVARAM SAKETH RAM REDDY	Arun Kumar Jalan	STRESS-STRAIN ANALYSIS IN ANSYS
NIEL KAUSTUBH PATEL	Arya Kumar	RENEWABLE ENERGY FORECAST FOR 2020
SANJAY GANAPATI BHAT	Arya Kumar	STATISTICAL VALUATION OF BONDS USING HISTORIC CREDIT RATINGS
V S G S HARSHA VARUN	Rajneesh Choubisa	GROUP PEER PRESSURE AND ITS CONSEQUENCES: AN EXPERIMENTAL INVESTIGATION
RAJULA VAMSIDHAR REDDY	Murali Palla	MODELING MECHANICAL BEHAVIOR OF MATERIALS USING ATOMISTIC SIMULATIONS
MIHIR BAKHAI	Umesh Dhyani	AN ANALYSIS OF HEALTH AND EDUCATION POLICY OF INDIA
KARAN CHAUHAN	Mayuri Digalwar	REAL TIME SCHEDULING ALGORITHMS FOR MULTI – CORE PROCESSOR SYSTEMS

STUDY ORIENTED PROJECTS		
NAME	FACULTY	PROJECT TITLE
PIDADI SAMEER GIRISH	Mayuri Digalwar	STUDY OF ENERGY AWARE REAL TIME SCHEDULING ALGORITHM FOR MULTI-CORE PROCESSORS.
ANURAG GUPTA	Sarvesh Satija	EMPLOYEE BRANDING IN INDIAN ORGANISATIONS
MEHAK MITTAL	T Chakraborty	CULTURALLY PRACTICED COMMERCIAL SEXUAL EXPLOITATION (CSE)
KANCHITA P KUNDARGI	P Srinivasan	WORKING FLUID SELECTION FOR SOLAR ORGANIC RANKINE CYCLE
R ASHA KUMARI	Devika	ANALYSING MOVIES - "THE FIRM" AND "THE PAYCHECK" IN RELATION TO FINANCIAL CRIMES.
MANASWI RAGHURAMA	Tanu Shukla	PATTERNS OF RESOURCE USE IN VILLAGES OF RAJASTHAN: A SOCIO-ECOLOGICAL STUDY
ASHUTOSH SHARMA	Ruchika Sharma	NEUROMARKETING: APPLICATIONS AND RECENT DEVELOPMENTS
HIMANSHU SHARA	Ajit Pratap Singh	STUDY OF IRRIGATION WATER IN VARIOUS DISTRICTS OF RAJASTHAN.
KANCHIBHOTLA BHARGAVADUTT	Sanghamitra Kundu	IMMOBILIZATION OF HEAVY METALS FROM KHETRI COPPER MINE TAILINGS USING CEMENT AS A STABILIZER
TUSHAR NIGOSKAR	Anil K Bhatt	RISK MANAGEMENT IN BANKING SECTOR
KUNAPAREDDY MOHAN SUDHEER	Kamlesh Kumar	MOVING THE EARTH-A REPORT ON EXCAVATION
V.HARIHARASUDHAN	Abhijit R Asati	DESIGN OF DIGITAL CIRCUITS IN SUB-THRESHOLD REGION COMPARATIVE STUDY IN SUB-THRESHOLD AND SUPER-THRESHOLD REGION SPECIFICATION FOR DIFFERENT LOGIC STYLES
BAHETY URVI PRASHANT	Anil Kumar Saini	MIXED SIGNAL IC DESIGN ISSUES IN NANOMETER REGION
PALLI KARTIK	Kuldip Singh Sangwan	CELL FORMATION IN CELLULAR MANUFACTURING SYSTEMS
PRANJAL JAIN	Trilok Mathur	STUDY OF GRAPH ALGORITHMS
HARSHIT GUPTA	Devika	FILM IDEOLOGY OF PROMINENT DIRECTORS IN INDIAN CINEMA.
SHOBHIT TREHAN	Trilok Mathur	STUDY OF ADVANCED TOPICS IN GRAPH THEORY
TEERU GUPTA	Anil Kumar Saini	MIXED SIGNAL IC DESIGN ISSUES IN NANOMETRIC REGION
SHOBHIT MOHANTY	Arun Kumar Vaish	STUDY OF GOLD BONDS IN THE INDIAN FINANCIAL MARKET
DAYESH JAISWAL	Ravi Kant Mittal	ENHANCING SLOPE STABILITY AND OPTIMISING BEARING STRENGTH OF EXISTING FOUNDATIONS USING MICROPILES
ROHIT AGGARWAL	Abhijit R Asati	DESIGN OF ASYNCHRONOUS DIGITAL CIRCUITS
AKSHAY SINGH	Gajanand Gupta	DEVELOPMENT OF A RELIABILITY CENTERED MAINTENANCE MODEL
SOHAAN SHAH	Arun Kumar Vaish	RISK MANAGEMENT THROUGH DERIVATIVES USING FINANCIAL ENGINEERING.
RAHUL CHANDNANI	Trilok Mathur	STUDY OF GRAPH ALGORITHMS.
PEEYUSH KUMAR	Jyoti	IMPACT OF RUPPEE-DOLLAR CRISIS ON INDIAN DOMESTIC INDUSTRIES
ARNAV JAIN	Udayan Chanda	SURVIVING DISRUPTIVE TECHNOLOGIES AND ITS CONSUMER PERSPECTIVE
KRITIKA VERMA	Gajendra S Chauhan	ROLE OF COGNITIVE PSYCHOLOGY IN ADVERTISING
A.B.PRASANNA VENKATESH	Anil Kumar	STUDY OF BIOELECTRONICS
ANMOL AGRAWAL	Jyoti	IMPACT OF RUPPEE-DOLLAR CRISIS ON INDIAN DOMESTIC INDUSTRIES

STUDY ORIENTED PROJECTS

NAME	FACULTY	PROJECT TITLE
ANKIT SRIVASTAVA	Anil Rai	MUSICIAN TRINITIES
ABHISHEK SHARMA	Anil Rai	MUSICAL THERAPY
VIPUL AGGARWAL	Ruchika Sharma	NEUROMARKETING: APPLICATIONS AND RECENT DEVELOPMENTS
SAKDEO AMOGH VIVEK	Abhijit R Asati	DESIGN OF FLIP FLOP ARCHITECTURE IN SUB-THRESHOLD REGION OF OPERATION.
POLEPEDDI ADITYA	Rikmantra Basu	DEVICE PERFORMANCE ANALYSIS OF FINFETS
DEEPAK D	Dilip K Maiti	PREFERRED QUICK SCHEME
SUDARSHAN GUPTA	Gajanand Gupta	STUDY OF FMECA ANALYSIS FOR MECHANICAL EQUIPMENT
DEVANSHI MITTAL	MS Soni	HEAT TRANSFER ANALYSIS OF SOLAR THERMAL COLLECTORS- A REVIEW
AAYUSH AGARWAL	Trilok Mathur	LABELLED GRAPH AND THEIR APPLICATION IN ONLINE SOCIAL NETWORKS.
ANKIT MAHARIA	Trilok Mathur	LABELLED GRAPH AND THEIR APPLICATION IN ONLINE SOCIAL NETWORKS
PRATIK BHAGCHANDANI	Srikanta Routroy	STUDY OF SUPPLY CHAIN INVENTORY
MANAN BHATIA	Rajneesh Choubisa	THE SCIENCE OF DECISION-MAKING: AN INVESTIGATIVE INQUIRY.
HARSH KHANDELWAL	Kamlesh Kumar	REPORT ON ENGINEERING ROCK MATERIALS.
AGNI PUSHP	Kamlesh Kumar	REPORT ON ENGINEERING ROCK MATERIALS.
VIVEK SHARMA	Risikesh Vaidya	STUDIES IN ATMOSPHERIC, SOLAR AND ACCELERATOR ANOMALIES.
TUSHAR RATHI	Sarvesh Satija	POSITIVE ORGANISATIONAL PRACTICES IN INDIAN ORGANISATIONS
ADBHUT GUPTA	Vinod Kumar Chaubey	STUDY AND SIMULATION OF LIQUID CRYSTALS BASED ELECTRONIC DEVICES
PRATEEK SINGHVI	Tanu Shukla	PATTERNS OF RESOURCE USE IN VILLAGES OF RAJASTHAN: A SOCIO-ECOLOGICAL STUDY
TANYA MISHRA	J N Bandopadhyay	QUANTUM INFORMATION AND INFORMATION CAUSALITY
JOSHI BHARGAV MADHUSUDAN	Risikesh Vaidya	STUDIES IN ATMOSPHERIC SOLAR AND ACCELERATOR NEUTRINO ANOMALIES
BANG SIDDHARTH VASANT	Srikanta Routroy	STUDY OF WASTE MANAGEMENT MANUFACTURING ENVIRONMENT
NEHA GUPTA	T Chakraborty	GLOBALIZATION AND FOOD CONSUMPTION IN INDIA
SURAMPALLI AKASH	Madhukar Mishra	STUDY OF STRONGLY INTERACTING MATTER FORMED AT LHC
AJITA	Sangeeta Sharma	DATA MINING IN ADVERTISING AND ITS IMPACT ON CONSUMER BEHAVIOR
PRASHANT KAPOOR	Devika	FILM DIRECTING TECHNIQUES OF PROMINENT DIRECTORS IN INDIAN CINEMA.
MADAMSETTY ACHYUTH NAIDU	Umesh Dhyani	AN ANALYSIS OF SOCIO-ECONOMIC IMPLICATIONS OF RENEWABLE ENERGY GENERATION IN THE CURRENT POLICY FRAME WORK IN INDIA
TUMMA SAI ABHISHEK	Rajesh P Mishra	DEVELOPMENT OF RELIABILITY MODEL FOR MAINTENANCE SYSTEMS
RUPAL GUPTA	Rajan Pandey	EMPIRICAL ANALYSIS OF PERFORMANCE AFTER RAISING CAPITAL BY INDIAN COMPANIES
SUGGU PANDU RANGA RAO GUPTA	NV Muralidhar Rao	APPLICATION OF MATHEMATICAL MODELS IN FINANCIAL MANAGEMENT
SHAH CHAITANYA DEEPAK	Arya Kumar	RISK MANAGEMENT TECHNIQUES FOR HEDGE FUNDS

STUDY ORIENTED PROJECTS		
NAME	FACULTY	PROJECT TITLE
HUSSAIN LIYAQATDAR	Jyoti	IMPACT OF SYNERGISM BETWEEN PAES AND INDIAN UNIVERSITIES ON THE RESEARCH ENVIRONMENT
K ARJUN SAI	Geetha B	STUDY OF FOLK MUSIC IN SHEKHAWATI REGION AND AUDIO-VISUAL DOCUMENTATION
ABHINAV PANDEY	Tanu Shukla	“PERCEPTION OF COLLEGE STUDENTS TOWARDS BUSINESS ETHICS”
SHUJA SHABIR	Sarvesh Satija	CRIMINAL PSYCHOLOGY / PSYCHOMETRIC ANALYSIS IN THE LIGHT OF ADVANCES IN THE FIELD OF COMPUTER SCIENCE (COMBINED PROJECT WITH KANAV 2010A7PS152P)
AAYUSH AHUJA	Anil Kumar Saini	DEVELOP A VIDEO STREAMING SYSTEM FOR REMOTE INTELLIGENT CAMERAS
VISHNU DUTT PALADUGU	Geetha B	STUDY OF FOLK MUSIC IN SHEKHAWATI REGION AND AUDIO-VISUAL DOCUMENTATION
VEMURI KRISHNA MANISHYA	Dilip K Maiti	ORDER OF CONVERGENCE OF DEFERRED QUICK SCHEME
ARCHIT RAHEJA	Leela Rani	Analyzing Skilled Labor Market on Benefits of Self Employment : Delhi
KANAV	Sarvesh Satija	CRIMINAL PSYCHOLOGY / PSYCHOMETRIC ANALYSIS IN THE LIGHT OF ADVANCES IN THE COMPUTER SCIENCE (COMBINED PROJECT WITH SHUJA SHABIR 2010A7PS002P)
MOHIT CHALLA	Anil Kumar Saini	DEVELOP A VIDEO STREAMING SYSTEM FOR REMOTE INTELLIGENT CAMERAS
SPRIHA SAGGAR	NV Muralidhar Rao	AN EMPIRICAL(ECONOMETRIC) STUDY OF THE ROBUSTNESS AND DEFENSIBILITY OF EMH VS BEHAVIORAL FINANCE IN INDIAN CAPITAL MARKETS. TO STUDY THE FACTOR WHICH AFFECTS THE GROWTH OF
VIVEK CHIRANIA	R Raghunathan	ENTREPRENEURSHIP/BUSINESSES AND ALSO TO FIND OUT THE SKILLS INHERENT IN THE ENTREPRENEURS BELONGING TO A SPECIFIC GEOGRAPHIC-ECONOMIC REGION.
PANCHAGNULA KRISHNA PRAMOD	Tanu Shukla	LEADERSHIP STYLES IN EDUCATIONAL ORGANIZATIONS
KANDURI SAI VENKATA MANI KOUNDINYA	Umesh Dhyani	SUBSIDIES- AFFECT ON GOVERNANCE AND PUBLIC POLICY
SWARNIK	Jyoti	PATENT PORTFOLIO ANALYSIS AND COMPETITIVE INTELLIGENCE.
AKSHAY GARG	Arya Kumar	MENDING THE GAP BETWEEN RURAL AND URBAN INDIA
ARINDAM DAS	Swati Keskar	TEMPORAL LOGIC & LOGIC DESIGN TO STUDY THE FACTOR WHICH AFFECTS THE GROWTH OF ENTERPRISES / BUSINESS AND TO ALSO FIND OUT THE SKILLS INHERENT IN THE
SHUBHAM GUPTA	R Raghunathan	ENTREPRENEURS BELONGING TO A PARTICULAR GEOGRAPHIC / ECONOMIC REGION
ANISH MANNAM	Sanghamitra Kundu	GROUND WATER POLLUTION IN INDIA DUE TO PESTICIDE APPLICATION-CASE STUDIES
YOGESH CHOUDHARY	Arvind Sudarshan	EXECUTIVE COMPENSATION, BOARD STRUCTURE AND FINANCIAL PERFORMANCE

STUDY ORIENTED PROJECTS		
NAME	FACULTY	PROJECT TITLE
ARPIT	MS Soni	SOLAR STERLING ENGINE-THERMODYNAMIC ANALYSIS
SHANKY JAISWAL	Umesh Dhyani	A CRITICAL ANALYSIS OF POLICIES DURING THE NEHRUVIAN ERA.
ROMA NOTANI	MS Soni	EXERGY ANALYSIS OF SOLAR THERMAL SYSTEMS
RUSHAB SOLANKI	Ruchika Sharma	CONSUMER PSYCHOLOGY
ASHISH GUPTA	Arun Kumar	SUPPLIER RELATIONSHIP MANAGEMENT INDEX DEVELOPMENT & VALIDATION
RIDDHI DHANNAWAT	Sangeeta Sharma	STUDY ON SOCIAL MEDIA MARKETING
DIVYA KADIYAN	Anil Rai	GOLDEN ERA OF WESTERN AND INDIAN CLASSICAL MUSIC (1950S, 1960S AND 1970S)
MOHINISH KANT JOSHI	G Muthukumar	A STUDY ON IMPROVING THE SEISMIC PERFORMANCE OF EXISTING BUILDINGS AND HISTORICAL MASONRY STRUCTURES.
UMESH ANANDRAM BALWANI	Shamsher B Singh	APPLICATION OF FRP REINFORCED AND PRESTRESSED CONCRETE IN BRIDGES
SIDDHARTH AGRAWAL	Satyendra Kr Sharma	A STUDY ON VALUE CHAIN INTERVENTIONS AND THEIR IMPACT ON SHAREHOLDER VALUE
SANGHVI DHRUVI RAJIV	R Raghunathan	A REPORT ON THE ANALYTICS INDUSTRY IN INDIA.
RUMANSHU KATIYAR	T Chakraborty	CULTURALLY PRACTICED COMMERCIAL SEXUAL EXPLOITATION (CSE)
TARUN SINGH	Anil Rai	THE SPIRITUAL EFFECT OF VARIOUS MUSICAL FORMS AND STYLES ON HUMAN MIND.
NISHANT BABEL	G Muthukumar	A STUDY ON IMPROVING THE SEISMIC PERFORMANCE OF EXISTING BUILDINGS AND HISTORICAL MASONRY STRUCTURES
PRABHAT GUPTA	Sangeeta Sharma	CREATIVE PHOTOGRAPHY
DEBASISH CHOWDHURY	Swati Keskar	TEMPORAL LOGIC DESIGN
TANYA SHAHI	Rajan Pandey	ESTIMATING THE VOLATILITY OF AN ASSET BY ANALYZING HIGH FREQUENCY DATA(TICK-BY-TICK/INTRA-DAY DATA)
SIDHI SHARMA	Devika	NEWSPAPER & MAGAZINE EDITING
CHETAN CHALOTRA	Jyoti	PATENT PORTFOLIO ANALYSIS AND COMPETITIVE INTELLIGENCE
TADEPALLI SITA RAMA PAVAN KUMAR	Dilip K Maiti	ORDER OF CONVERGENCE OF DEFERRED QUICK SCHEME
EKANSH MANGAL	Arvind Sudarshan	WORKPLACE VIOLENCE: RISK ASSESSMENT AND REMEDIES.
C NAGA GANESHA SABAREESH	Ashish Mishra	DRIVER VIGILANCE SYSTEM ON XILINX PLATFORM
KONERU KIRAN BABU	A Anand Kumar	STUDY OF POWER INVERTERS
NANDAN. K. S	Ashish Mishra	SCHEDULER DESIGN FOR RCS SYSTEMS
CH SAMPATH	Ashish Mishra	DEVICE DRIVER DEVELOPMENT FOR PARTIAL RECONFIGURATION ON FPGAS
AGRAWAL SHUCHI SANJAY	Ashish Mishra	PARTIAL RECONFIGURATION DESIGN OF EXPRESS BENCHMARKS ON XILINX PLATFORM USING PETALINUX
SRIJOY CHAUDHARY	Rahul Singhal	ISSUES IN TRANSMISSION OF MICROWAVE OVER FIBER
NEERAJA SRIDHAR	A Anand Kumar	A STUDY OF VARIOUS TYPES OF DC TO AC CONVERTERS
PRATHAMESH PRAVIN BAHETI	Pramod Kumar	DESIGNING A DIGITAL FILTER FOR STRUCTURAL HEALTH MONITERING
CH VIJAY NAGA JYOTH SUMANTH	A Anand Kumar	STUDY OF HYBRID ELECTRIC VEHICLE

STUDY ORIENTED PROJECTS		
NAME	FACULTY	PROJECT TITLE
PARIMI S GANESH SAI SASANK	Rajneesh Choubisa	ROLE OF PERSUASION IN TEAM DEVELOPMENT
KARANAM SIRISHA	A Anand Kumar	STUDY ON SOLAR BASED Z SOURCE INVERTER
YALAVARTHI RAGHU RAM	Srinivas Reddy K	DSP BLOCK IMPLEMENTATION USING VERILOG HDL
ANKUSH TAKYAR	Arya Kumar	MENDING THE GAP BETWEEN RURAL AND URBAN INDIA
POTLA BHARATH	Rajneesh Choubisa	PSYCHOLOGY OF EDUCATION:EXPLORING EFFECTIVE TEACHING LEARNING ENVIRONMENTS IN HIGHER EDUCATION
PERLA NAVYA	A Anand Kumar	STUDY ON RENEWABLE ENERGY SOURCES
DHEERAJ KUMAR	Jitendra S Rathore	STUDY ON THERMAL ASPECTS OF AUTOMOBILE SHOCK ABSORBERS
T HARSHA VARDHAN REDDY	R Raghunathan	A REPORT ON THE ANALYTICS INDUSTRY IN INDIA.

READING COURSE		
NAME	FACULTY	PROJECT TITLE
SAHA GAURAVI BENUGOPAL	Jayashree Mahesh	HUMAN RESOURCE SKILLS FOR CROSS CULTURAL MANAGEMENT
SHIWAM MITTAL	Ruchika Sharma	CREATIVITY IN ADVERTISEMENT WITH RESPECT TO VARIOUS ADVERTISING AGENCIES
PRANITA KHANDELWAL	NV Muralidhar Rao	TIME SERIES ANALYSIS FOR ECONOMETRIC FORECASTING
AKSHIT SETH	Amit Kumar Verma	COMPUTATIONAL SCIENCE AND ENGINEERING
DHEERAJ KUMAR	Arun Kumar Jalan	STUDY OF MECHANICAL VIBRATIONS AND ITS APPLICATION IN AUTOMOTIVE SUSPENSION SYSTEMS
SHUBHAM GUPTA	Rajan Pandey	UNDERSTANDING THE APPLICATION OF TIME SERIES ALGORITHMS ARMA, ARIMA & ARIMAX ON INDIAN STOCK MARKET INDICES
AASHNA MITTAL	Sushila Shekhawat	CINEMATIC ADAPTATION AND INDIAN CINEMA
APURVA SHARMA	Rajneesh Choubisa	ANTI-SOCIAL PERSONALITY DISORDER: AN ETIOLOGICAL PATTERN ANALYSIS FROM SECONDARY SOURCES.

STUDY PROJECTS			
NAME	FACULTY	COURSE CODE	PROJECT TITLE
G. ANOJ WINSTON	Navneet Gupta	EEE F266	SOLENOID ACTUATED GEAR SHIFTING
VISHAL KEJRIWAL	Anshuman	CE F266	DEVELOPMENT OF SOFTWARE FOR CONCRETE MIX DESIGN
PRAGUN VINAYAK	Anshuman	CE F266	DEVELOPMENT OF SOFTWARE FOR CONCRETE MIX DESIGN
SATYAM PARASHAR	Anupam Singhal	CE F266	DEVELOPMENT OF VERTICAL PROFILE USING MATLAB FOR GROUND WATER DATA OF SHEKHAWATI REGION
AKANKSHA AGARWAL	Anshuman	CE F266	ESTIMATION OF QUANTITIES OF MATERIALS FOR WORKSHOP BUILDING
AKSHAY SINGH BISHT	Amit Goel	CE F266	SASW - SPECTRAL ANALYSIS OF SURFACE WAVES NDT METHOD - SIGNAL PROCESSING AND PATTERN

STUDY PROJECTS			
NAME	FACULTY	COURSE CODE	PROJECT TITLE
			RECOGNITION.
NUKALA HEMA VENKATA SUMANTH	Shamsher B Singh	CE F266	DEPTH OF CARBONATION OF CONCRETE
KAMILA ROHIT VARMA	Shamsher B Singh	CE F266	DEPTH OF CARBONATION OF CONCRETE
ANNESH BORTHAKUR	R Gupta	CS F266	ENVIRONMENTAL EFFECTS ON STRENGTH OF CONCRETE DURING CURING
BARTIK PANDEL	Anupam Singhal	CE F266	PROPERTY VARIATION OF CONCRETE BY USING MILL SCALE AND MARBLE SLURRY
SANCHIT BAJAJ	Anshuman	CE F266	DEVELOPMENT OF SOFTWARE FOR CONCRETE MIX DESIGN
SHIVAM BAJPAI	Anupam Singhal	CE F266	DEVELOPMENT OF VERTICAL PROFILE USING MATLAB FOR GROUND WATER DATA OF SHEKHAWATI REGION
DEVENDRA MITTAL	Shibani K Jha	CE F266	MULTIPHASE FLOW THROUGH POROUS SYSTEM EXPERIMENTAL AND ANALYTICAL STUDIES USING CFD
MOHIT AGGARWAL	Dipendu Bhunia	CE F266	EFFECT OF CARBONATION ON THE PROPERTIES OF CONCRETE
PVG SAI SUBRAHMANYAM	Rajneesh Kumar	EEE F266	DESIGN, DEVELOPMENT AND IMPLEMENTATION OF INTEGRATED PHOTO VOLTAIC SYSTEM FOR RURAL APPLICATION
P S S MAHESWARI	Rakhee	EEE F266	STUDY OF HANDLING POOR SIGNAL QUALITY CALLS IN CELLULAR RADIO NETWORKS
LAVISH BHUTANI	Navneet Gupta	EEE F266	SOLENOID ACTUATED GEAR SHIFTING
SURYANSH RASTOGI	Rajneesh Choubisa	HSS F266	ENHANCING THE EFFECTIVENESS OF EMPLOYEES OF IT SECTOR BY ANALYZING THEIR TRAINING PROGRAMME
ABHISHEK GUPTA	Hitesh Dutt Mathur	EEE F266	MICRO GRID MODELLING
G V S S KALYAN	Hitesh Dutt Mathur	EEE F266	MICRO GRID MODELLING
SHASHWAT JAIN	Mahesh Angira	EEE F266	MEMS TECHNOLOGY BASED SENSORS AND ACTUATORS
SHUBHAM GUPTA	Mahesh Angira	EEE F266	RF-MEMS OHMIC SWITCHES
ARYA ROY	Ashish Mishra	EEE F266	DRIVES VIGILANCE SYSTEM
G N ANIRUDH	Pramod Kumar	EEE F266	STUDY AND DEVELOPMENT OF INTERFACE (I2C, SPI, RS232) PROGRAMMING USING CORTEX ARM M0+ OR M3 PROCESSOR
DIPESH KUMAR	Hitesh Dutt Mathur	EEE F266	DESIGN AND DEVELOPMENT OF WIND TURBINE EMULATOR
KHER TANMAYEE ABHIJEET	Sushila Shekhawat	GS F266	SEXISM IN MEDIA
ROUNAQ DHAR	Sharad Srivastava	ME F266	STUDY OF NATURAL COMPOSITE FIBRES
NIMIT KOTHARI	Jitendra S Rathore	ME F266	FSI MODELLING OF CANTILEVER BEAM WITH NEWTONIAN, NON NEWTONIAN AND VISCO-ELASTIC FLUID.
TANVEESH INANI	Jitendra S Rathore	ME F266	LOW REYNOLDS NUMBER VISCOUS FLOW THROUGH MICROCHANNELS AND ITS APPLICATIONS.
CHUNAWALA TAIZOON ALIASGAR	Subrata Bandhu Ghosh	ME F266	DEVELOPMENT OF HIGH PERFORMANCE AUTOMOTIVE BODY PANELS USING CARBON REINFORCED HYBRID COMPOSITES

STUDY PROJECTS			
NAME	FACULTY	COURSE CODE	PROJECT TITLE
PRANAY DUBEY	Sachin U Belgamwar	ME F266	CHARACTERISATION OF CARBON NANOTUBE REINFORCED COPPER NANOCOMPOSITE BY OPTICAL MICROSCOPE
TUSHAR TYAGI	MS Dasgupta	ME F266	CFD STUDY OF DRAG COEFFICIENT IN A FLEXIBLE PARAMETRIC 3-D CAR MODEL
C ABHILASH REDDY	Sharad Srivastava	ME F266	EXPERIMENTAL INVESTIGATION OF MECHANICAL BEHAVIOUR OF HYBRID COMPOSITE MATERIALS
JASHYANT SIKHAKOLLI	RP Pareek	PHA F266	STUDY OF ABI AND ABP BY EFFECTIVE METHODS
AMAN KHATRI	Murali M Pandey	PHA F266	DISSOLUTION ENHANCEMENT OF POORLY SOLUBLE DRUGS BY NANOCRYSTAL TECHNOLOGY.
MOHIT JAIN	Murali M Pandey	PHA F266	FORMULATION AND EVALUATION OF SOLID DISPERSION
SAUMYA	Shvetank Bhatt	PHA F266	RECENT ADVANCES IN EPILEPSY (NEWER TARGETS AND DRUGS)
SHIVANI	Shvetank Bhatt	PHA F266	RECENT ADVANCES IN MIGRAINE (NEWER TARGETS AND DRUGS)
JAYDEEP JHALA	Shvetank Bhatt	PHA F266	RECENT ADVANCES IN DEPRESSION (NEWER TARGETS AND DRUGS)
KRANTHI VIDHATHA Y	Archana K K	PHA F266	ANTIBODY-DRUG CONJUGATES
KARTIK SIRWANI	Murali M Pandey	PHA F266	NANOSUSPENSIONS IN DRUG DELIVERY.
NITIN LABHISHETTY	Avinash Gautam	CS F266	DOCUMENT CLASSIFIER FOR RESEARCH PAPERS
SIDDHANT SHRIVASTAVA	Avinash Gautam	CS F266	DESIGN AND IMPLEMENTATION OF COVERAGE ALGORITHMS FOR MULTI-ROBOT SYSTEMS
ROHAN BADLANI	Avinash Gautam	CS F266	DOCUMENT CLASSIFIER FOR RESEARCH PAPERS
DHANUKA MRIDUL DEEPAK	Navneet Gupta	INSTR F266	MATERIAL SELECTION OF NANOMATERIALS TO FABRICATE FET DEVICES
VISHAL VARSHNEY	Mahesh Angira	INSTR F266	STUDY OF RF MEMS TECHNOLOGY FOR TELECOMMUNICATION APPLICATIONS
SAHIL SHARMA	Mahesh Angira	INSTR F266	RF-MEMS CAPACITIVE SWITCHES
S P ARJUN RAM	Surekha Bhanot	INSTR F266	ANALYSIS AND DESIGN OF NON-LINEAR
KUNAL	Sharad Srivastava	MF F266	MECHANICS OF COMPOSITE MATERIALS
KAMATH GAURAV NARESH	Subrata Bandhu Ghosh	MF F266	STUDY OF FRACTURE BEHAVIOUR AND THERMAL PROPERTIES OF RENEWABLE BIOMASS DERIVED GREEN COMPOSITES
VARUN JAIN	Subrata Bandhu Ghosh	MF F266	MANUFACTURING BIODEGRADABLE HYBRID COMPOSITES USING EXTRUSION TECHNOLOGIES
AKSHAT KOTHYARI	Sharad Srivastava	MF F266	FRACTURE TOUGHNESS OF GLASS/JUTE/SILK HYBRID COMPOSITES: AN EXPERIMENTAL AND NUMERICAL STUDY
RAHUL RANJAN	Hitesh Dutt Mathur	EEE F266	DESIGN AND DEVELOPMENT OF WIND TURBINE EMULATOR
VIBHUTI MEHTA	Omvir Chaudhry	ECON F266	IMPACT OF INDUSTRIAL GROWTH UPON POVERTY REDUCTION IN INDIA
PAVAN R	Avinash Gautam	IS F266	DOCUMENT CLASSIFIER FOR RESEARCH PAPERS
SRI RAM RAVI TEJA	Rakhee	IS F266	DELAY ANALYSIS IN CELLULAR NETWORKS : A QUEUEING THEORY APPROACH

STUDY PROJECTS			
NAME	FACULTY	COURSE CODE	PROJECT TITLE
DIVYANSHU GOYAL	Shivi Agarwal	MATH F266	STUDY ON NEURAL NETWORKS
SHARDUL VIKKRAM SINGH	Shivi Agarwal	MATH F266	APPLICATION OF DEA IN HEALTH SECTOR
MANTINDER JIT SINGH	Amit Kumar Verma	MATH F266	MATHEMATICAL THEORY OF COMPUTATION
Y SOWMYA	Sharad Srivastava	MF F266	STUDY OF FAILURE MECHANISMS AND DAMAGE EVOLUTION IN CARBON FIBRES OR EPOXY COMPOSITE LAMINATES WITH HOLES
AMBUJ MEHRA	Vinod Kumar Chaubey	EEE F266	NOVEL MATERIAL IN OPTO-ELECTRONIC DEVICES.
ANSHULA SHARMA	Manjuladevi V	PHY F266	NANO-SCALE DEVICES AND SYSTEMS
KOTA VISHAL	Banasri Roy	CHE F266	NANO CATALYSTS FOR HYDROGEN PRODUCTION FROM BIOMASS
AGRAWAL KHANDESH MOHANBHAI	P Chattopadhyay	CHE F266	FOAMS AND APPLICATIONS OF SURFACTANT GENERATED FOAM
SHIVANGI RAJBANSH	Banasri Roy	CHE F266	BIOCOMPATIBILITY OF NITINOL AS A BIOMEDICAL MATERIAL BODY RESPONSE TO IMPLANTS, BLOOD COMPATIBILITY, CORROSION, CARCINOGENICITY & PREVENTION
SOUMYA MITTAL	Kunal Bhattcharya	PHY F266	EXPLORING CONNECTIONS BETWEEN THERMODYNAMICS AND ECONOMICS
ANAND SARIT	P Chattopadhyay	CHE F266	FOAMS AND APPLICATIONS OF SURFACTANT GENERATED FOAMS
ABHINAV GANDOTRA	Pankaj Kumar Sharma	BIO F266	BIOCHEMISTRY OF EMOTIONS
ANUSREE SARKAR	JP Misra	CS F266	FORMATION CONTROL OF MOBILE ROBOTS USING VIRTUAL STRUCTURES
BALWAN SHARMISHTHA JAYKUMAR	Anil K Bhatt	ECON F266	THE EFFECT OF CLIMATE CHANGE ON INDIAN ECONOMY
VANYA SINHA	Ravi Saini	IS F266	USE OF CLUSTERING IN OBJECT TRACKING
SWASTI KAKKER	Sanjeev Kumar	BIO F266	CHEMICAL EFFECTS ON VECTOR-BORNE DISEASES
KAKANI VENKATA DURGA SAI KALYAN	S C Sivasubramanian	CHEM F266	STUDY OF CHEMICAL DATABASES AND EXPLORING NEW CHEMICAL KNOWLEDGE BASED SEARCH ALGORITHMS
SHEFALI GARG	Paritosh Shukla	CHEM F266	REPORTED SYNTHETIC APPROACHES TO SOME AURORA KINASE INHIBITORS ANTI CANCER MOLECULES
KAVYA VELISETTI	Kuldip Singh Sangwan	MF F266	STUDY OF GREEN MANUFACTURING SYSTEMS
UPPALA VEERA VENKATA SHRAVAN	Sanchita Bandyopadhyay Ghosh	MF F266	SYNTHESIS OF CELLULOSE FIBRES FOR SKIN REGENERATION AND ITS APPLICATIONS
RAO ANKIT SHIVAPRASAD	Omvir Chaudhry	ECON F266	IMPACT OF DIRECT POVERTY REDUCTION PROGRAMS IN URBAN SECTOR UPON POVERTY REDUCTION IN INDIA
RAHUL TIWARI	NV Muralidhar Rao	ECON F266	ANALYSING THE CAUSAL RELATIONSHIP BETWEEN FINANCIAL AND ECONOMIC GROWTH AND PROPOSING A PATH FOR INCLUSIVE GROWTH
MUKTE HRISHIKESH ANIRUDDHA	NV Muralidhar Rao	ECON F266	AN ANALYSIS OF TAX INCENTIVES TO PROMOTE RESEARCH AND DEVELOPMENT IN INDIA

STUDY PROJECTS			
NAME	FACULTY	COURSE CODE	PROJECT TITLE
AYUSH AGGARWAL	NV Muralidhar Rao	ECON F266	AN ANALYSIS OF TAX INCENTIVES TO PROMOTE RESEARCH AND DEVELOPMENT IN INDIA
GAUTAM D SHAH	Omvir Chaudhry	ECON F266	IMPACT OF DIRECT SUBSIDIES AND TRANSFER SCHEMES ON POVERTY REDUCTION IN INDIA
DEEPAK MADAN	A K Giri	ECON F266	ANALYSIS OF CORE SECTOR AND GDP GROWTH RATE OF INDIA
NEELESH SAMBHAJICHE	Dheerendra Singh	EEE F266	STUDY OF APPLICATION OF AI TECHNIQUES IN SPEED CONTROL OF AC DRIVES
SHREY RAHEJA	NV Muralidhar Rao	ECON F266	FORECASTING VOLATILITY
GANTA SUJEETH	NV Muralidhar Rao	ECON F266	FORECASTING VOLATILITY
SUHANI JAIN	NV Muralidhar Rao	ECON F266	THE ECONOMICS OF CLOUD COMPUTING
MOHD. ZIA ARIF	NV Muralidhar Rao	ECON F266	PORTFOLIO OPTIMIZATION- AN EXPLORATORY STUDY
KARTIK SINGHAL	Omvir Chaudhry	ECON F266	IMPACT OF ECONOMIC GROWTH UPON POVERTY REDUCTION IN INDIA
CHIRAG BANSAL	A K Giri	ECON F266	DOES FINANCIAL DEVELOPMENT LEAD TO POVERTY REDUCTION IN INDIA? AN EMPIRICAL INVESTIGATION
SHASHVAT TRIPATHI	Arun Kumar Vaish	ECON F266	STUDY OF FINANCIAL INCLUSIONS IN INDIAN FINANCIAL SYSTEM
PANKAJ DHARIWAL	Omvir Chaudhry	ECON F266	IMPACT OF DIRECT POVERTY REDUCTION PROGRAMMES (RURAL SECTOR) UPON POVERTY REDUCTION IN INDIA
NERELLA YASHASWI VENKAT	Amit Kumar Verma	MATH F266	WAVELETS AND THEIR APPLICATION TO SIGNAL PROCESSING
RICHA SHARMA	Chandra Shekhar	MATH F266	RELIABILITY ANALYSIS OF K-OUT-OF-N MACHINING SYSTEMS
ABHISHEK RAJ	Rajiv Kumar	MATH F266	STUDY OF DRAWINGS OF PLANAR GRAPH
TIRODKAR SUYASH ANANT	Pankaj Biswas	MATH F266	FEM(COLLOCATION, GALERKIN, RAYLEIGH-RITZ) FOR BOUNDARY VALUE PROBLEM USING MATLAB
PRATHAMESH D HOSHING	Pankaj Biswas	MATH F266	FINITE ELEMENT METHOD FOR BOUNDARY VALUE PROBLEMS USING MATLAB.
GAMPA ANIRUDH	Ashish Tiwari	MATH F266	PHYSIOLOGICAL APPLICATIONS OF FLUID MECHANICS
TOSHANIWAL MEGHESH SUSHIL	Dilip K Maiti	MATH F266	THE DEFERRED QUICK SCHEME
ROHIT M TIPNIS	Chandra Shekhar	MATH F266	RELIABILITY ANALYSIS OF K-OUT-OF-N MACHINING SYSTEMS
R S PRAKRUTH	Pankaj Biswas	MATH F266	FINITE ELEMENT METHODS(FEM)-(GALERKIN,COLLOCATION,RAYLEIGH-RITZ)FOR BOUNDARY VALUE PROBLEM USING MATLAB
ASHISH DALAL	Shivi Agarwal	MATH F266	MACHINE LEARNING METHODS IN ENVIRONMENTAL SCIENCES(NEURAL NETWORKS & KERNELS)
SNEHIL ARORA	Rajiv Kumar	MATH F266	BASICS OF ALGORITHMS AND MATCHING IN GRAPHS
UTSAV TIWARY	Pankaj Biswas	MATH F266	FINITE DIFFERENCE METHOD FOR SOLVING BOUNDARY VALUE PROBLEM USING OPEN MPI/MPI
SAI VARUN ADDANKI	Rajiv Kumar	MATH F266	COMMUNITY DETECTION IN GRAPHS: SELECTED ALGORITHMS
ABYODAYA AGRAWAL	Rajiv Kumar	MATH F266	COMMUNITY DETECTION IN GRAPHS

STUDY PROJECTS			
NAME	FACULTY	COURSE CODE	PROJECT TITLE
			: SELECTED ALGORITHMS
ANKUR SHUKLA	Sneh Lata Murotiya	EEE F266	Digital circuit design using CNT-FETs
S SRIVIGNESH	Subrata Bandhu Ghosh	ME F266	DEVELOPMENT OF BIO DEGRADABLE NANO FIBERS AND STUDY OF STRUCTURE PROPERTY CORRELATIONS OF BIO NANO COMPOSITES
ABDEALI FAIZULLAHBHAI ADENWALA	Rajeev Taliyan	PHA F266	TO STUDY MEDICAL ADVANCEMENT IN ALZHEIMERS DISEASE.
MAYUR SAXENA	Yashvardhan Sharma	CS F266	DESIGNING FRAMEWORK FOR OPINION MINING
ABHINAV BHATIA	Navneet Goyal	CS F266	FACE RECOGNITION WITH AGEING
RISHABH KUMAR	Sandhya Mehrotra	BIO F266	IN SILICO ANALYSIS OF A PUTATIVE STRESS RESPONSIVE PROMOTER IN ARABIDOPSIS THALIANA
SARANYA DAS	Navneet Gupta	EEE F266	STUDY OF ZNO NANOWIRE TRANSISTOR AND ITS ANALYSIS WITH EQUIVALENT CIRCUIT MODEL
DURGA HARINI PANDA	JP Misra	IS F266	EXECUTION OF SEQUENTIAL PROGRAM ON MULTICORE PROCESSOR
MANSI GARG	Dheeraj Singh	IS F266	OBJECT (HUMAN BEING) TRACKING
VISAL DATTA RAMISETTI	J N Bandopadhyay	IS F266	MEASUREMENT BASED QUANTUM COMPUTATION ON CLUSTER STATES
GUDAPATY NARENDRA KUMAR	Asma Rani	IS F266	WORKING ON THE PROVENANCE COLLECTION OF BIG DATA USING WORK FLOW MANAGEMENT SYSTEM " KEPLER "
MAYANK JHA	SK Hafizul Islam	IS F266	AUTHENTICATION SYSTEM FOR GLOBAL MOBILITY NETWORKS
POTTIMUTHI LAXMAN	Asma Rani	IS F266	WORKING ON THE PROVENANCE COLLECTION IN BIG DATA USING WORK FLOW MANAGEMENT SYSTEM " KEPLER "
AKASH GOEL	Yashvardhan Sharma	IS F266	ECONOMIC MODELLING USING SOCIAL NETWORK ANALYSIS
RAHUL PRIYADARSHI	Arya Kumar	FIN F266	TO DEVELOP A BUSINESS MODEL FOR E-COMMERCE STARTUPS
MANIK BAJAJ	Shvetank Bhatt	PHA F266	RECENT ADVANCES IN ANXIETY (NEWER TARGETS AND DRUGS)
SRABASTI NANDI	Shilpi Garg	BIO F266	DEVELOPMENT OF SENSORY ORGANS FROM INVERTEBRATES TO VERTEBRATES
ADARSH MITTAL	Hitesh Dutt Mathur	EEE F266	DESIGN AND DEVELOPMENT OF WIND TURBINE EMULATOR.
PRAJAKTA KIRAN JOSHI	Rajdeep Chowdhury	BIO F266	EPIGENETIC CHANGES LEADING TO CANCER CHEMORESISTANCE
KODURI SRINADH	Gajendra S Chauhan	GS F266	SIGNIFICANCE OF DIGITAL MEDIA IN ADVERTIZING
ARADHYA SAXENA	Yashvardhan Sharma	IS F266	ECONOMIC MODELLING USING SOCIAL NETWORK ANALYSIS
JATAVALLABHULA KRISHNA MURTHY	Navneet Goyal	IS F266	FACE RECOGNITION WITH AGEING
NAGANDLA SAI BHARGAV	Ruchika Sharma	GS F266	SOCIAL PSYCHOLOGY OF CONSUMER BEHAVIOR
DHRUV SURI	Avinash Gautam	IS F266	COMMUNICATION IN A MULTI-ROBOT SYSTEM USING DISTIBUTED SYSTEMS
GUDIPUDI RAKESH	Gajendra S Chauhan	GS F266	SIGNIFICANCE OF DIGITAL MEDIA IN ADVERTISING
NITHYASHRI GOVINDARAJAN	Sanjay Singh	IS F266	OBJECT TRACKING FOR CAMERA DATA USING K MEANS CLUSTERING AND CLASSIFICATION.

STUDY PROJECTS			
NAME	FACULTY	COURSE CODE	PROJECT TITLE
AKSHAY VERMA	Nitin Chaturvedi	EEE F266	CACHE MEMORY DESIGN USING CNTFET
KASHISH MALHOTRA	Rahul Singhal	EEE F266	STUDY OF ANTENNAS USED IN WIRELESS BODY AREA NETWORKS(WBAN).
SAI SRIKAR REDDY METTU	Dheerendra Singh	EEE F266	APPLICATION OF ARTIFICIAL INTELLIGENCE TECHNIQUES FOR CONTROL OF A PV-GRID INVERTER IN SOLAR ENERGY
NITIN SINGLA	Vinita Tiwari	EEE F266	MICRO MIRRORS
ABHINAV MISHRA	Navneet Gupta	EEE F266	MATERIAL SELECTION METHODOLOGY FOR MINIMIZING DIRECT TUNNELING IN NANOWIRE TRANSISTORS
ABHIJITH PRADEEP	Pramod Kumar	EEE F266	STUDY THE ARCHITECTURE OF XILINX ZYNQ BOARD (PREFERABLY ZC706)
SHREYASH PRATAP SINGH	Anil Kumar	EEE F266	STUDY OF SEMICNDUCTOR NANOWIRES AND THEIR APPLICATIONS.
CANDADAI AADITYA ANAND	P Srinivasan	ME F266	CREEP RESPONSE OF CLAD ELEMENT IN NUCLEAR FUEL PIN
HARSHIT PURWAR	Amol M R Marathe	ME F266	APPLICATION OF PERTURBATION METHODS TO VIV PROBLEMS.
SACHIN SUBRAMANIA IYER	Srikanta Routroy	ME F266	STUDY OF AGILE SUPPLY CHAIN STRATEGY
ANCHIT SOOD	MS Dasgupta	ME F266	PORTRAIT BASED 3D MODELLING OF HUMAN FACIAL FEATURES AND RAPID PROTOTYPING
B NAVEEN	Tufan Chandra Bera	ME F266	ESTIMATION OF SURFACE ERROR IN PERIPHERAL MILLING
ANURAG NANDI	Murali Palla	ME F266	UNDERSTANDING OF FRACTURE BEHAVIOR OF METALLIC GLASSES
CHITRARTH DAGAR	Murali Palla	ME F266	ATOMISTIC MODELLING OF MATERIALS
MAYANK TOPRANI	Amol M R Marathe	ME F266	REDUCED ORDER MODEL OF INLINE OSCILLATIONS OF A CIRCULAR CYLINDER.
DEVESH GUPTA	Murali Palla	MF F266	DEVELOPING CONSTITUTIVE RELATIONS FOR A MATERIAL
GAURAV GUPTA	Satish K Dubey	ME F266	SIMULATION AND MODELLING OF HEAT TRANSFER IN CANCER THERAPY
VIJAY JAIN	P Srinivasan	ME F266	LIFE PREDICTION OF BOILER COMPONENTS
K. TEJASWI	Murali Palla	ME F266	CRACK PROPAGATION IN BIOCOMPOSITE MATERIALS
VISHESH GUPTA	P Srinivasan	ME F266	LIFE PREDICTION OF BOILER COMPONENTS
PRABHUDESAI GAURAV SANJAY	P Srinivasan	ME F266	STUDY AND SIMULATION OF HEAT TRANSFER IN ABLATION
GURANA SANDEEP	Tufan Chandra Bera	ME F266	ESTIMATION OF SURFACE ERROR IN PERIPHERAL MILLING
AGHOR PRATIK PRASHANT	Sangita Yadav	MATH F266	STUDY OF DISCONTINUOUS GALERKIN METHODS (DGM)IN NUMERICAL ANALYSIS FOR DIFFERENT PDES.
AAYUSH CHAKRABARTY	Murali Palla	ME F266	UNDERSTANDING FRACTURE BEHAVIOUR OF METALLIC GLASSES
ABHISHEK KUMAR	Sangita Yadav	MATH F266	APPLICATION OF DISCONTINUOUS GALERKIN METHODS (DGM) TO STUDY THE INSTABILITY IN FLUIDS.
ANKIT KUMAR ROUT	P Srinivasan	ME F266	EFFECT OF FIN SPACING ON HEAT TRANSFER

STUDY PROJECTS			
NAME	FACULTY	COURSE CODE	PROJECT TITLE
SHIVAM CHAUHAN	Anil Jindal	ME F266	REVERSE LOGISTICS OF AUTOMOBILE INDUSTRY
PULKIT KUMAR DUBEY	P Srinivasan	ME F266	ANALYSIS OF POWER CONSUMPTION AND APPLICABILITY OF MICROGENERATION IN THE STUDENT HOSTELS AT BITS PILANI.
BHAGURKAR AKHILESH GIRISH	Satish K Dubey	ME F266	MONTE-CARLO SIMULATION FOR RADIATION HEAT TRANSFER
AAKASH UMESH CHANDRA	Sushila Shekhawat	GS F266	DOCUMENTARY FILM ON "EDUCATIONAL CHALLENGES FACED BY PEOPLE IN JHUNJHUNU DISTRICT".
SADINENI PARINITHA CHOWDARY	S Murugesan	PHA F266	STUDY ON PEROXISOME PROLIFERATOR - ACTIVATED RECEPTOR (PPAR).
VADLAMUDI HARSHITHA	S Murugesan	PHA F266	DIPEPTIDYLPEPTIDASE-AN OVERVIEW
VARRI PRANATHI	S Murugesan	PHA F266	CHEMOKINE RECEPTORS - AN OVERVIEW
YELAGANAMONI KARTHIK RAJA	Atish T R Paul	PHA F266	NATURAL PRODUCTS BASED BREAST CANCER INHIBITORS. TO STUDY HORMONAL
PALAVALASA ABHINAYA KRISHNA	Rajeev Taliyan	PHA F266	IRREGULARITIES IN FEMALE AND THEIR IMPACT ON CENTRAL NERVOUS SYSTEM AND CARDIOVASCULAR SYSTEM.
GALYREDDY VARUN REDDY	Rajeev Taliyan	PHA F266	TO STUDY NEURO-COGNITIVE IMPAIRMENT AND THEIR RELATIONSHIP TO INSULIN RESISTANCE IN WOMEN.
ADUSUMILLI SAMATHA	S Murugesan	PHA F266	TOPOISOMERASE-AN OVERVIEW
DNVSSG VARUN	Atish T R Paul	PHY F266	ANTI HIV ACTIVE NATURAL PRODUCTS.
ROHIT PATHAK	SK Hafizul Islam	CS F266	REMOTE USER MUTUAL AUTHENTICATION AND SESSION KEY AGREEMENT
CHINTHAKAYALA BHARAT KUMAR	Virendra S Shekhawat	CS F266	DESIGN AND IMPLEMENTATION OF BURST SCHEDULING ALGORITHMS IN OPTICAL BURST SWITCHING NETWORKS
NEENA TERESA J	Mayuri Digalwar	CS F266	STUDY OF ENERGY AWARE REAL TIME SCHEDULING ALGORITHMS FOR MULTIPROCESSORS
NIHAL KUMAR	Asma Rani	CS F266	PROVENANCE IMPACT IN BIG DATA ANALYSIS
AKHILESH ANANDH	Yashvardhan Sharma	CS F266	IMPLEMENTATION OF WEATHER PREDICTION MODEL USING NEURAL NETWORKS AND MULTI-AGENT SYSTEMS.
ASEEM GUPTA	Yashvardhan Sharma	CS F266	STUDY OF OPINION MINING MODELS
PRIYANKA KUKREJA	A K Giri	ECON F266	DETERMINANTS OF FINANCIAL INCLUSION AND INCLUSIVE GROWTH IN INDIA.
MUKUL SAINI	NV Muralidhar Rao	ECON F266	ENVIRONMENTAL MANAGEMENT SYSTEM FOR INDIAN MANUFACTURING INDUSTRY.
MANISHA MATHUR	Vinita Tiwari	INSTR F266	STUDY OF OPTICAL FIBER BRAGG GRATING SENSOR AND ITS INDUSTRIAL APPLICATIONS
HARSHUL GUPTA	Nitin Chaturvedi	INSTR F266	CACHE MEMORY DESIGN USING CNTFET
ANOOP.K.RAJEEV	Abhijit R Asati	INSTR F266	ASYNCHRONOUS DIGITAL CIRCUIT DESIGN

STUDY PROJECTS			
NAME	FACULTY	COURSE CODE	PROJECT TITLE
KSHITIJ KANT	Praveen Kumar A V	EEE F266	ANALYSIS OF ANTENNA DESIGN USING NUMERICAL METHODS
HARESH BHARADWAJ PUDIPEDDI	Vandana Agarwal	INSTR F266	COMPUTATIONAL INTELLIGENCE IN FACE RECOGNITION
MALAVIA VATSAL JAYENDRA	Lucky Sharan	INSTR F266	MODELLING OF NON-LINEAR EFFECTS IN WDL NETWORKS
AKASH AGRAHARI	Srinivas Kota	MF F266	DIFFERENTIAL EVOLUTIONARY ALGORITHMS IN SUPPLY CHAIN INVENTORY MANAGEMENT
ANKIT BANSAL	Jitendra S Rathore	MF F266	DESIGN OF MICRO ACTUATORS
BANDI KIRTHI	Srinivas Kota	MF F266	SUSTAINABLE SUPPLY CHAIN MANAGEMENT
JAY SAXENA	MS Dasgupta	MF F266	CFD STUDY OF DRAG COEFFICIENT IN A FLEXIBLE PARAMETRIC 3-D CAR MODEL
SHREYAS SAUMITRA	Srikanta Routroy	MF F266	STUDY OF LEAN SUPPLY CHAIN STRATEGY
HIMANSHU BANSAL	Rajesh P Mishra	MF F266	DEVELOPMENT OF AN ASSESSMENT MODEL FOR TOYOTA PRODUCTION SYSTEM IN MANUFACTURING(PROCESS) INDUSTRY
SREEKANT DAMODARA	MS Dasgupta	MF F266	STUDY OF MULTI-ENERGY GENERATORS AND EXTRACTION OF ENERGY FROM UPPER ATMOSPHERIC WINDS
RACHIT GOYAL	Rajesh P Mishra	MF F266	DEVELOPMENT OF AN ASSESSMENT MODEL FOR TOYOTA PRODUCTION SYSTEM IN MANUFACTURING INDUSTRY.
CHANDAN SINGH SALARIA	Srinivas Kota	MF F266	STUDY OF AGILE SUPPLY CHAIN STRATEGY
SRIKAR AREKATLA	Satyendra Kr Sharma	FIN F266	SUPPLY CHAIN MANAGEMENT AND LOGISTICS AND EVENT MANAGEMENT
SAKET SHARMA	Satyendra Kr Sharma	FIN F266	SUPPLY CHAIN MANAGEMENT
AMAN RASTOGI	Sonal Mazumder	CHE F266	POLYMERS AND CARBON NANOTUBES WITH SURFACE TOPOGRAPHIES AND ADHESION PROFILES INSPIRED BY GECKO ADHESION.
KHUSHBOO SINGH	Arvind Kumar Sharma	CHE F266	FLUIDIZED BED SYSTEMS FOR WATER AND WASTEWATER TREATMENT
ABINANDH K BARADWAJ	Banasri Roy	CHE F266	NANO SCALE SYSTEM FOR SOLID OXIDE FUEL CELLS (SOFCs); MECHANISM, PREPARATION AND DEVELOPMENT.
ARJUN VIKAS	Utkarsh Maheshwari	CHE F266	STUDY OF SHALE GAS AND ITS RISING IMPORTANCE AS THE NEXT FUEL
SURYA KESHUB	Satyendra Kr Sharma	FIN F266	SUPPLY CHAIN MANAGEMENT
SURYA PRAKASH KANORIA	Banasri Roy	CHE F266	NANOSCALE SYSTEMS FOR SOLID OXIDE FUEL CELLS: MECHANISM, PREPARATION AND DEVELOPMENT
PIYUSH KUMAR	HK Mohanta	CHE F266	ROLE OF MULTIPLICITY IN REACTIVE DISTILLATION CONTROL SYSTEM DESIGN
SINGH ANMOL KARMAVIR	Utkarsh Maheshwari	CHE F266	TO STUDY THE VARIOUS ROUTES FOR RESIDUE UPGRADATION TO USEFUL PRODUCTS

STUDY PROJECTS			
NAME	FACULTY	COURSE CODE	PROJECT TITLE
			POLYMERS AND CARBON NANOTUBES WITH SURFACE
KUNAL GUPTA	Sonal Mazumder	CHEM F266	TOPOGRAPHIES AND ADHESION PROFILES INSPIRED BY GECKO MIMETICS.
SHITANSHU JAIN	Ajay Kumar Pani	CHE F266	DYNAMIC OPTIMIZATION TECHNIQUES IN CHEMICAL ENGINEERING
ARUSHEE GARG	Utkarsh Maheshwari	CHE F266	TO STUDY THE APPLICATIONS OF HORIZONTAL WELLS IN OIL RECOVERY
SASHANK SEKHAR CHOUDHARY	Ravi Kant Mittal	CE F266	STATIC AND DYNAMIC PROPERTIES IMPROVEMENT OF SOIL USING WASTE MATERIALS
DEVANABOYINA VISHAAL	Sanghamitra Kundu	CE F266	REUSE OF WASTE WATER USING CONSTRUCTED WETLANDS
V C ROOPANA	Ravi Kant Mittal	CE F266	APPLICATIONS OF GEOSYNTHETICS IN HIGHWAY ENGINEERING
SHEKHAR KUMAR YADAV	Praveen Kumar A V	EEE F266	ANALYSIS OF ANTENNA USING NUMERICAL METHODS
CAMELLIA DEBNATH	Rahul Singhal	EEE F266	MEL-FREQUENCY CEPSTRAL COEFFICIENTS (MFCC) CALCULATION TECHNIQUES
MAYANK GARG	Rahul Singhal	EEE F266	SPEECH QUALITY IMPROVEMENT IN SINUSOIDAL SYNTHESIS
BUDIDA MALLIKARJUNA RAO	Rahul Singhal	EEE F266	IMPROVING ENERGY EFFICIENCY FOR UPLINK SCHEDULING.
YAMMANURU PRATEEK REDDY	Rahul Singhal	EEE F266	GREEN WIRELESS COMMUNICATION USING NETWORK COOPERATION
PRAVEEN P G	Praveen Kumar A V	EEE F266	SATELLITE ANTENNA DESIGN
PINGALI VENKATA RANGA SAI VISWAS	Rahul Singhal	EEE F266	HYBRID OPTICAL WIRELESS ACCESS NETWORK ARCHITECTURE
TUSHAR SHARMA	Sneh Lata Murotiya	EEE F266	DIGITAL CIRCUIT DESIGN USING CNT-FETS
PURUJIT SINGH CHAUHAN	Praveen Kumar A V	EEE F266	ANALYSIS OF ANTENNA USING NUMERICAL METHODS
HARSH SHARMA	Praveen Kumar A V	EEE F266	ANALYSIS OF ANTENNA USING NUMERICAL METHODS
GUNVARUN SINGH SUDAN	Rahul Singhal	EEE F266	USING WIRELESS BODY AREA NETWORKS(WBAN'S) FOR HEALTH CARE MONITORING
PERURI SATWIK	Rahul Singhal	EEE F266	RADIO OVER FIBER (ROF) SYSTEMS
SARANSH MEHTA	Paritosh Shukla	CHEM F266	COMPARITIVE DOCKING STUDY OF SOME PYRAZOLOPYRAN ANTICANCER MOLECULES.
ASTIK TYAGI	J L Raheja	IS F266	HUMAN TRACKING
KRISHNIKA AGARWAL	Shibasish Chowdhury	IS F266	APPLICATIONS OF GRAPH THEORY IN BIOLOGICAL SYSTEMS.
SHARQUA ABDULLAH	NV Muralidhar Rao	FIN F266	AN EXPLANATORY STUDY ON MARKET MICRO-STRUCTURE.
SHASHANK BHADORA	Arun Kumar Vaish	FIN F266	VENTURE CAPITALIST
KOPPISETTI V V S N CHAMUNDESWARI	Niranjan Swain	FIN F266	IMPACT OF BESSEL-III ON INDIAN BANKING SECTOR
RITIKA KARNANI	Omvir Chaudhry	ECON F266	Empirical study of banks and their financial stability in India
DAKSH ARYA	Arvind Sudarshan	FIN F266	CORPORATE GOVERNANCE AND FINANCIAL MARKETS
NITISH PRATIK	Rajan Pandey	FIN F266	The application of Time Series Models in Forecasting Stock Market Volatility
APURV NIGAM	NV Muralidhar Rao	FIN F266	AN EMPIRICAL ANALYSIS OF POST-IPO PERFORMANCE OF INDIAN COMPANIES.

STUDY PROJECTS			
NAME	FACULTY	COURSE CODE	PROJECT TITLE
AMRIT VASHISHTHA	T Chakraborty	HSS F266	LIBERALIZATION AND ITS IMPACTS:ECONOMIC MOBILITY OF INDIAN CITIES
AAKRITI JHA	Santosh Kumar Padhi	BIO F266	STUDYING ENZYME KINETICS AND RELATING IT TO ENZYME MECHANISM.
BIPLAB NAYAK	Shamik Chakraborty	CHEM F266	APPLICATION OF GROUP THEORY IN MOLECULAR SPECTROSCOPY
AYUSH KHAITAN	Amit Kumar Verma	MATH F266	A STUDY OF THE FUNDAMENTALS OF ALGEBRAIC TOPOLOGY.
KAUSHIK RENGANAATH K	AK Das	BIO F266	ANTI-SENSE BASED MECHANISMS AND GENOME REGULATION
ARCHIT GADHOK	Paritosh Shukla	CHEM F266	DOCKING STUDIES OF SOME KNOWN COUMARIN MOLECULES AS BIOACTIVE ANTICANCER AGENTS
GEETIKA GARG	SK Verma	BIO F266	DEVELOPMENT OF BIOSENSOR DEVICES FOR ENVIRONMENTAL USE
JEFFREY GEORGE	Indresh Kumar	CHEM F266	STUDY ABOUT [6+N]-CYCLOADDITION REACTIONS
S GOKULA KRISHNAN	Amit Kumar Verma	MATH F266	STUDY OF THE AKS PRIMALITY TESTING ALGORITHM
MANSI NARANG	Ashish Runthala	BIO F266	FINDING THE BEST MATCH FOR PROTIEN STRUCTURE
MAYANK KUMAR	Ashish Runthala	BIO F266	ANNELLING THE REMARKABLE FRAGMENTS TO GENERATE A RELIABLE PROTEIN MODEL
VIRAJ PRABHU	J L Raheja	CS F266	SPEECH DETECTION USING MULTIPLE KINECTS
EKANSH MITTAL	Yashvardhan Sharma	CS F266	STUDY OF OPINION MINING MODELS
APOORV UMANG SAXENA	Avinash Gautam	CS F266	MULTI-ROBOT PATTERN FORMATION AND TERRAIN COVERAGE USING E-PUCK ROBOTS
GHATTAMARAJU NISCHAY	Dhiraj	CS F266	REAL TIME INDOOR SCENE RECOGNITION
KANCHARLA SURYA MANI DEEPAK	N Mehala	CS F266	INTENTION BASED CLUSTER SIMILARITY FINDING
POOJA GARG	Raj Kumar Gupta	CS F266	IMAGE SEARCH ENGINE- CONTENT BASED
PRERAK MALL	Avinash Gautam	CS F266	MULTI-ROBOT PATTERN FORMATION AND TERRAIN COVERAGE USING E-PUCK ROBOTS
BONTHALA LAKSHMI ANUSHA	Mayuri Digalwar	CS F266	STUDY OF ENERGY AWARE REAL TIME SCHEDULING FOR MULTIPROCESSORS.
SHREY KANT	J L Raheja	CS F266	HUMAN TRACKING
CHIRAG GOYAL	SK Hafizul Islam	CE F266	AUTHENTICATION SYSTEM FOR GLOBAL MOBILITY NETWORKS
AMAN GUPTA	G S Sessa Chalapathi	CS F266	WIRELESS PHONE CHARGING USING NFC
SANAGALA SAI SAMEER	G S Sessa Chalapathi	CS F266	WIRELESS PHONE CHARGING USING NFC
ABHISHEK BANSAL	Kiran DC	CS F266	STM: SOFTWARE TRANSACTION MEMORY
AMAN KHANDELWAL	Kiran DC	CS F266	STM: SOFTWARE TRANSACTIONAL MEMORY
KOTHUR SACHITH SRI RAM	N Mehala	CS F266	AUTOMATIC LABELLING OF CLUSTER
ABHISHEK VEERARAGHAVAN	SK Hafizul Islam	CS F266	AUTHENTICATION SYSTEM FOR GLOBAL MOBILITY NETWORKS
ROHIT BISWAS	J L Raheja	CS F266	DISTANCE CALCULATION AND OBJECT IDENTIFICATION IN FOGGY WEATHER TO AVOID ACCIDENTS USING KINECT.

STUDY PROJECTS			
NAME	FACULTY	COURSE CODE	PROJECT TITLE
NIKITA BHALLA	JP Misra	CS F266	FORMATION CONTROL OF MOBILE ROBOTS USING VIRTUAL STRUCTURES.
AMITESH RANJAN	Kiran DC	CS F266	STM (SOFTWARE TRANSACTION MEMORY)
D. PRITHVI REDDY	Umesh Dhyani	GS F266	CONTEXTUAL PERSPECTIVES OF POLICY ANALYSIS
MAYUKH BASU	Dhiraj	CS F266	REAL TIME INDOOR SCENE CLASSIFICATION
NIKUNJ DUDANI	J N Bandopadhyay	CS F266	FAULT TOLERANT QUANTUM COMPUTATION
PUSHKARA R	Ravi Saini	CS F266	CAMERA OBJECT TRACKING USING APPEARANCE LEARNING
AASHISH AGARWAL	SK Hafizul Islam	CS F266	REMOTE USER MUTUAL AUTHENTICATION AND SESSION KEY AGREEMENT.
DESHPANDE ADWAIT MUKUND	J L Raheja	CS F266	DISTANCE CALCULATION & OBJECT IDENTIFICATION IN FOGGY WEATHER TO AVOID ACCIDENTS USING KINECT
NIKHIL SURI	JP Misra	CS F266	FORMATION CONTROL OF MOBILE ROBOTS USING VIRTUAL STRUCTURES
B VARUN KANT	Asma Rani	CS F266	STUDY ON IMPROVING THE QUALITY OF THE DATA IN BIG DATA USING DATA PROVENANCE.
HIMANSHU BHARDWAJ	Navneet Goyal	CS F266	FACE RECOGNITION WITH AGEING
PAJJURI NAVEEN KUMAR REDDY	N Mehala	CS F266	AUTOMATIC LABELLING OF CLUSTER
ASHIMA DHAREMBRA	Parikshit K Singh	INSTR F266	ADAPTIVE AND INTELLIGENT CONTROL STRATEGIES FOR PH NEUTRALISATION PROCESS - A REVIEW
J BHARATH	G Meenakshi Sundaram	INSTR F266	STUDY OF ADVANCED RF MEMS FILTERS
SHIULI DAS	Parikshit K Singh	INSTR F266	ADAPTIVE AND INTELLIGENT CONTROL STRATEGIES FOR PH NEUTRALIZATION PROCESS
NEEL GIRISH AMONKER	Jayashree Mahesh	EEE F266	STUDY OF PRODUCT DESIGN AND HOW IT IS IMPACTED BY ORGANISATIONAL CULTURE

**FIRST SEMESTER 2014-2015 (AUGUST 2014 TO DECEMBER 2014)
READING COURSE**

NAME	FACULTY	PROJECT TITLE
BHARGAVA SAKET SANJAY	CB Gupta	EVOLUTIONARY COMPUTATION
JASHAN GOYAL	Pushp Lata	PROFESSIONALISM AT WORKPLACE IN THE 21ST CENTURY.
PRATEEK SAI GAHLOT	Sarvesh Satija	VIRTUOUS ORGANISATIONS

STUDY ORIENTED PROJECTS

NAME	FACULTY	PROJECT TITLE
VANGAPANDU SAI RAKESH MOHAN KRISHNA	Dheerendra Singh	DIGITAL CONTROL OF DC-DC CONVERTOR FOR ELECTRIC VEHICLES

LABORATORY PROJECTS

NAME	FACULTY	PROJECT TITLE
MOHIT AGGARWAL	Kamlesh Kumar	DIRECT SHEAR TESTING OF RANDOMLY DISTRIBUTED GRASS FIBER REINFORCED PILANI SOIL.
PRIYAMVADA AGARWAL	R Gupta	TO ANALYSE VARIOUS METHODS FOR DEVELOPING A SELF PURIFICATION STORAGE TANK FOR STORING

LABORATORY PROJECTS

NAME	FACULTY	PROJECT TITLE
		COLLECTED RAIN WATER
PVG SAI SUBRAHMANYAM	Rajneesh Kumar	DESIGN DEVELOPMENT AND IMPLEMENTATION OF INTEGRATED PHOTOVOLTAIC SYSTEM FOR RURAL APPLICATION
NITURE SWATI UDHAVRAO	Sangeeta Sharma	BRIDGING GAP IN ADMISSION PROCESS THROUGH RTE IN PRIVATE SCHOOLS.
ADITYA SHARMA	Anil Kumar Saini	IMPLEMENTATION OF IMAGE COMPRESSION TECHNIQUES USING FPGA.
LAVISH BHUTANI	Hitesh Dutt Mathur	DESIGN AND DEVELOPMENT OF SIMULATION MODEL OF ELECTRICAL VEHICLES FOR FREQUENCY RESPONSE
SPARSH MAHESHWARI	Lucky Sharan	STUDY OF OFDM BASED WDM NETWORKS AND ANALYSIS OF THEIR PERFORMANCE
ESHAN SANDEEP JAIN	Ashish Mishra	DEVICE DRIVER DEVELOPMENT OF DMA FOR PARTIAL RECONFIGURATION
ROHIN ARORA	Pramod Kumar	SHM OF BUILDINGS AND BRIDGES USING RF COMMUNICATION BASED ON IEEE 802.15.4 PROTOCOL
RAJAT PALIWAL	Lucky Sharan	STUDY OF OFDM BASED WDM NETWORKS AND ANALYSIS OF THEIR PERFORMANCE
ABHISHEK PODDAR	Hitesh Dutt Mathur	DESIGN AND DEVELOPMENT OF SIMULATION MODEL OF ELECTRIC VEHICLES FOR FREQUENCY RESPONSE.
G N ANIRUDH	Ashish Mishra	COMPARING IP INTERFACING TECHNIQUES IN FPGAS
KAPIL SHRIVASTAVA	Ashish Mishra	REAL TIME SYSTEM DESIGN USING UCOS
C CHANDINI	Ashish Mishra	DESIGN OF DMA CONTROLLER FOR PARTIAL RECONFIGURATION ON FPGAS
DIPESH KUMAR	Abhijit R Asati	AUTOMATIC GENERATION OF VERILOG CODE FOR DIFFERENT ARITHMETIC CIRCUITS
ROUNAQ DHAR	MS Dasgupta	BUILDING A FEEL AND TOUCH LIBRARY FOR ENGINEERING GRAPHICS
LOHIA NIKESH SURESH	MS Soni	DESIGN AND FABRICATION OF RADIO CONTROLLED SUBMARINE
PRANAY DUBEY	Sachin U Belgamwar	DOF 2 ANALYSIS OF CARBON NANOTUBE REINFORCED COPPER NANOCOMPOSITE FOR TUDYING THERMAL AND MECHANICAL PROPERTIES
TUSHAR TYAGI	Kuldip Singh Sangwan	LIFE CYCLE ASSESSMENT OF PET BOTTLES, BEVERAGE CANS, TETRA PACKS AND GLASS BOTTLES.
GOVIND KISHORE	Sachin U Belgamwar	ELECTRICAL AND THERMAL CHARACTERIZATION OF CARBON NANO-TUBES REINFORCED COPPER NANO COMPOSITES.
JASHYANT SIKHAKOLLI	S Murugesan	IN-SILICO DESIGN AND STUDY OF NITROGEN CONTAINING HETERO-CYCLE AS A ANTI-HIV AGENTS
JAYDEEP JHALA	Gautam Singvi	STUDY EFFECTS OF DILUENTS ON MECHANICAL PROPERTIES OF TABLETS.
PANCHAKARLA SAI KUTUMBA RAO	S Murugesan	IN SILICO DESIGN AND STUDY NITOGEN CONTAINING HETERO CYCLIC AS ANTI-LEISHMANIAL AGENTS
E KAPIL SUBRAMANIAM	J L Raheja	AUTONOMOUS BOT USING EMBEDDED VISION
ROHAN BADLANI	Poonam Goyal	PARALLELIZATION OF SUBSPACE CLUSTERING ALGORITHMS
JOEL RUBEN ANTONY MONIZ	J L Raheja	AUTONOMOUS BOT USING EMBEDDED VISION
PALLAV JINDAL	Ashish Mishra	COMPARING GA AND SA ALGORITHM FOR GRAPH PARTITIONING AND SCHEDULING
SATYAM JAIN	Ashish Mishra	IMPLEMENTING YDS ALGORITHM FOR DYNAMIC VOLTAGE SEALING
MENTA VENKATA PUSHPAK TEJA	Pushp Lata	STUDY ON IMPROVING COMMUNICATION SKILLS AND PERSONALITY DEVELOPMENT OF RURAL COLLEGE STUDENTS.
AKSHANSH JAIN	G S Sessa Chalapathi	STUDY AND IMPLEMENTATION OF A WIRELESS SENSOR NETWORK (WSN) ALGORITHM.
SHRUTI	Ashish Mishra	INTERFACING A DMA CONTROLLER TO MICROBLAZE FPGA SYSTEM.
SAMANT ANIKET ASHWIN	Ashish Mishra	IMAGE CO-PROCESSOR DESIGN USING FSL LINK IN FPGAS

LABORATORY PROJECTS

NAME	FACULTY	PROJECT TITLE
MONIKA JAISWAL	Subrata Bandhu Ghosh	DEVELOPMENT AND CHARACTERISATION OF BIO-POLYMER COMPOSITES
AGRAWAL GAURAV KAILASH	Sangeeta Sharma	BRIDGING GAP IN ADMISSION PROCESS THROUGH RTE IN PRIVATE SCHOOLS
VARUN JAIN	MS Dasgupta	BUILDING A FEEL AND TOUCH LIBRARY FOR ENGINEERING GRAPHICS
RAHUL RANJAN	Abhijit R Asati	AUTOMATIC GENERATION OF VERILOG CODE FOR DIFFERENT ARITHMETIC CIRCUIT
HARIHARAN S	Ashish Mishra	IMAGE CO-PROCESSOR DESIGN USING AXI BUS IN FPGAS.
VARAKANTHAM VIKAS REDDY	Pushp Lata	STUDY ON IMPROVING COMMUNICATION SKILLS AND PERSONALITY DEVELOPMENT OF RURAL COLLEGE STUDENTS.
MANTINDER JIT SINGH	K.Solomon Raju	DEVELOPMENT OF GUI FOR STRUCTURAL HEALTH MONITORING - SHM SYSTEM USING PYTHON
MILIND SAH	K.Solomon Raju	DEVELOPMENT OF THE GUI FOR SHM USING PYTHON.
AMBUJ MEHRA	Raj Kumar Gupta	CRYPTOGRAPHY IN DIGITAL IMAGES
VAIBHAV MANCHANDA	Manjuladevi V	ELECTRO-OPTIC SWITCHING IN LIQUID CRYSTAL NANO COMPOSITES.
RUCHIR DWIVEDI	Sai Jagan Mohan	COMPUTATIONAL ASTROPHYSICAL FLUID DYNAMICS
RAJAT SHARMA	Manjuladevi V	THIN FILMS OF CNT AND THEIR CHARACTERIZATION.
SHAURYA MALHOTRA	Subhashish Gangopadhyay	GROWTH AND CHARACTERIZATION OF THIN FILM RESISTOR FOR TEMPERATURE SENSORS.
TUSHAR ANUPAM	Subhashish Gangopadhyay	GROWTH AND CHARACTERIZATION OF THIN FILM RESISTOR FOR TEMPERATURE SENSOR.
SAUMYA Y SAHAI	Anshuman Dalvi	LTP FAST IONIC SOLID- IONIC LIQUID COMPOSITE SYNTHESIS AND CHARACTERIZATION
ABHISHEK YADAV	Manjuladevi V	ELECTRO-OPTIC SWITCHING IN LIQUID CRYSTAL NANO COMPOSITES
ARMANJEET SINGH	K.Solomon Raju	DEVELOPMENT OF GUI FOR SHM USING PYTHON
ROHIT UPRETI	Anshuman Dalvi	STUDY OF SOLID POLYMER ELECTROLYTE DISPERSED WITH BF ₂ IONIC LIQUID
KSHITIJ SAXENA	Anshuman Dalvi	SYNTHESIS AND CHARACTERIZATION OF LI ⁺ ION CONDUCTING POLYMER-GLASS COMPOSITE FOR BATTERY APPLICATIONS
RACHIT JAIN	Subhashish Gangopadhyay	GROWTH AND CHARACTERISATION OF THIN FILM RESISTOR FOR TEMPERATURE SENSORS
GURBEER SANDHU	Anshuman Dalvi	LTP FAST IONIC SOLID-IONIC LIQUID COMPOSITE : SYNTHESIS AND CHARACTERIZATION
HIMANSHU HANSARIA	MS Dasgupta	EXPLORING KINECT FOR MECHANICAL ENGINEERING RELATED APPLICATIONS.
ABHISHEK GHOSH	P Chattopadhyay	STUDY OF FOAM STABILITY FOR POPULAR DETERGENTS
KOTA VISHAL	Smita Raghuvanshi	BIODEGRADATION OF GASOLINE BASED COMPOUNDS AND CHLORINATED VOCS
RUSHEEN RATHORE	P Chattopadhyay	STUDY OF FOAM STABILITY FOR DETERGENTS
SHIVANGI RAJBANSH	Subhajit Majumdar	OPTIMIZATION OF MEDIA CONSTITUENTS THROUGH RESPONSE SURFACE METHODOLOGY (RSM) FOR IMPROVED BIOREMEDIATION OF MIXED METAL IONS.
VIDUSHI DWIVEDI	Sonal Mazumder	SYNTHESIS AND CHARACTERIZATION OF MULTIFUNCTIONAL NANOPARTICLES.
SHUBHAM JAIN	Pratik N Sheth	PRODUCTION AND RECOVERY OF CHEMICAL FROM BIO-OIL.
PIYUSH CHAUHAN	Smita Raghuvanshi	CO ₂ MITIGATION USING PURE STRAIN OF ALGAL/MIXED CULTURE
SAJAL MARWAHA	Smita Raghuvanshi	BIODEGRADATION OF GASOLINE BASED COMPOUNDS AND CHLORINATED VOCS
ADITI RASTOGI	Suresh Gupta	REMOVAL OF HEAVY METALS FROM INDUSTRIAL WASTE WATER USING NANOPARTICLES AS

LABORATORY PROJECTS

NAME	FACULTY	PROJECT TITLE
		ADSORBENTS
AISHWARYA GUPTA	R Gupta	TO DEVELOP SELF PURIFYING WATER FILTRATION SYSTEM FOR WATER BEING COLLECTED FROM RAIN WATER HARVESTING
VISHAL KEJRIWAL	Manoj Kumar	A STUDY ON THE EFFECT OF WASTE FIBERS IN MUD BRICKS
PRAGUN VINAYAK	AK Sarkar	SCALE FOR RURAL ACCESSIBILITY INDEX
ANVIT KUMAR MITTAL	Manoj Kumar	A STUDY ON THE EFFECT OF WASTE FIBERS IN MUD BRICKS
BARTIK PANDEL	R Gupta	ENVIRONMENTAL SUSTAINABILITY OF CONSTRUCTION PROCESSES
SANCHIT BAJAJ	Manoj Kumar	A STUDY ON THE EFFECT OF WASTE FIBERS IN MUD BRICKS.
DEVENDRA MITTAL	Ajit Pratap Singh	RISK ANALYSIS OF GROUND WATER CONTAMINATION IN HUMAN HEALTH.
RAGHAV AGARWAL	Murali Palla	FRACTURE BEHAVIOUR OF METALLIC GLASSES
SAKSHI GANDHI	NN Sharma	ENERGY HARVESTERS
SHAURYA KAUSHAL	NN Sharma	MEMS BASED PYROELECTRIC ENERGY HARVESTER
SOLANKI PREM KISHORE	P Srinivasan	SIMULATION OF FERROFLUIDS TO UNDERSTAND THEIR CHANGE IN PROPERTIES WITH CHANGE IN PARAMETERS AND ITS APPLICATIONS
SADINENI PARINITHA CHOWDARY	S Murugesan	DESIGN AND STUDY OF PPAR AGONIST AS ANTI-DIABETIC AGENTS
LAHOTI PRITESH ANANDRAM	Virendra S Shekhawat	MULTIPATH TRANSMISSION CONTROL PROTOCOL (MPTCP) PERFORMANCE EVALUATION; REORDERING ALGORITHMS AND CONGESTION CONTROL MECHANISMS
MANSI GUPTA	N Mehala	Cluster Topic Identification
RAMYA KUSUMA PILLUTLA	Shan Balasubramaniam	EXTRACTION AND IDENTIFICATION OF COMPONENTS FROM DIGITIZED PAINTINGS
AKHILESH ANANDH	Poonam Goyal	INFORMATION RETRIEVAL FOR COMPLEX QUERIES.
HARSH SHARMA	Remica Aggarwal	GROWTH OF E-COMMERCE IN INDIA.
AMIT CHOTIA	Subhashish Gangopadhyay	FABRICATION OF THIN FILM RESISTORS AND ITS APPLICATION IN ELECTRONICS
JATAVALLABHULA KRISHNA MURTHY	Navneet Goyal	FACE RECOGNITION WITH AGING
ANKIT ANAND GUPTA	Sundaresan Raman	Tensor Voting Framework
AGARWAL TANMAY SANJAY	J L Raheja	AUTONOMOUS BOT USING EMBEDDED VISION
HIMANSHU GUPTA	MS Soni	DESIGNING AND FABRICATION OF RADIO CONTROLLED SUBMARINE
ADARSH MITTAL	Abhijit R Asati	AUTOMATIC GENERATION OF VERILOG CODE FOR DIFFERENT ARITHMETIC CIRCUITS
VIPUL	Rajesh Mehrotra	GENOME WIDE DISTRIBUTION OF WBOX IN ARABIDOPSIS THALIANA.
TEJAS BHALLA	B.D.Pant	DESIGN AND DEVELOPMENT OF MEMS BASED BIOSENSORS.
SACHIN SAXENA	Rajesh Mehrotra	GENOME WIDE ANALYSIS OF CO-OCCURRENCES OF ACGT AND AAAG SEQUENCE IN ARABIDOPSIS THALIANA
BHANU KHARBANDA	Sanchita Bandyopadhyay Ghosh	CELLULOSE NANO-FIBER REINFORCED NATURAL RUBBER COMPOSITE FOR LIGAMENT REPLACEMENT
BHANU KHARBANDA	AK Das	MICROSCOPY TECHNIQUES AND MORPHOLOGICAL STUDY OF MALARIA PARASITE
PRAGYA CHOPRA	Shamik Chakraborty	A DETAILED STUDY OF NATURAL BOND ORBITALS AND ITS APPLICATION TO INVESTIGATE NON COVALENT INTERACTIONS
SANKALP PANDEY	Indresh Kumar	ORGANOCATALYTIC SYNTHESIS OF SUBSTITUTED PYRROLE-3-CARBOXALDEHYDES.

LABORATORY PROJECTS

NAME	FACULTY	PROJECT TITLE
AASTHA DEWAN	Nitin Chaturvedi	DESIGN AND IMPLEMENTATION OF CACHE MEMORY FOR CMP
PRASUN KUMAR	Sanjay Singh	STUDY AND DESIGN OF VLSI ARCHITECTURE OF DIFFERENT BLOCKS USED IN FACE DETECTION.
SUDHARSHAN K Y	Shamik Chakraborty	STUDY OF FORSTER RESONANCE ENERGY TRANSFER IN NANOPARTICLE-DYE SYSTEMS
JALAJ CHHABRA	Ravi Inder Singh	TESTING OF A NEWLY SYNTHESIZED BIO-DIESEL USING ORGANIC WASTE FOR ENGINE PARAMETERS AT DIFFERENT RPMS.
CHINTAN SINGHVI	Ravi Inder Singh	TESTING OF A NEWLY SYNTHESIZED BIO-DIESEL USING ORGANIC WASTE FOR ENGINE PARAMETERS AT DIFFERENT RPMS.
VAIBHAV SINGH	Ajay Kumar Sah	SYNTHESIS AND CHEMICAL STUDIES OF GLUCOSE DERIVED GLYCOCONJUGATES
SAHARSH NAGPAL	Sanjay Singh	STUDY AND DESIGN OF VLSI ARCHITECTURE OF DIFFERENT BLOCKS USED IN FACE DETECTION.
MAHAK DHAMEJA	Subit Kumar Saha	SOLVATION DYNAMICS OF A COUMARIN IN MIXED MICELLES OF GEMINI SURFACTANTS AND IONIC LIQUID.
KAVYA VELISETTI	P Srinivasan	MICROSTRUCTURAL ANALYSIS OF WELDS
KAVYA VELISETTI	Shamik Chakraborty	A DETAILED STUDY OF NATURAL BOND ORBITALS AND ITS APPLICATION TO INVESTIGATE NON-COVALENT INTERACTIONS.
UPPALA VEERA VENKATA SHRAVAN	Surojit Pande	SYNTHESIS, FUNCTIONALIZATION, CHARACTERIZATION OF FE ₃ O ₄ - C ₃ N ₄ AND AG NANOPARTICLE.
LABDHI KOTHARI	Dalip Kumar	DESIGN AND SYNTHESIS OF FIVE-MEMBERED AZAHETEROCYCLES AS ANTICANCER AGENTS.
ABHISHEK	Surojit Pande	SYNTHESIS, FUNCTIONALIZATION AND CHARACTERIZATION OF FE ₃ O ₄ AND GOLD (AU) NANOPARTICLE.
SHUBHI AGARWAL	Nitin Chaturvedi	DESIGN AND IMPLEMENTATION OF CACHE COHERENCE PROTOCOL FOR CACHE MEMORY
DEEPAK MADAN	Arvind Sudarshan	FACTORS AFFECTING INTEREST RATES
NEELESH SAMBHAJICHE	Hitesh Dutt Mathur	IMPLEMENTATION OF ARTIFICIAL NEURAL NETWORK ON RENEWABLE ENERGY SYSTEM
DIVYANSHU NARANG	Arvind Sudarshan	DETERMINATION OF EXCHANGE RATES
VINAYAK KESARWANI	Hitesh Dutt Mathur	IMPLEMENTATION OF ARTIFICIAL NEURAL NETWORK ON RENEWABLE ENERGY SYSTEM
SHASHANK M	Amit Goel	CONDITION EVALUATION OF PAVEMENTS
KARTIK GOYAL	Amit Goel	CONDITION EVALUATION OF PAVEMENTS.
SIDDHARTH BHATIA	Shan Balasubramaniam	PARALLEL CLUSTERING ALGORITHMS
ANKUR SHUKLA	S Gurunarayanan	IMPLEMENTATION OF CONVOLUTIONAL ENCODER AND VITERBI DECODER USING VERILOG AND HARDWARE IMPLEMENTATION USING XILINX TOOLBOX.
TANUJ SEN	Rajneesh Kumar	ADAPTIVE STEP SIZE WITH ADAPTIVE-PERTURBATION-FREQUENCY DIGITAL MPPT CONTROLLER FOR A SINGLE- SENSOR PHOTOVOLTAIC SOLAR SYSTEM.
ABHINAV BHATIA	MS Dasgupta	EXPLORING KINECT FOR DIFFERENT APPLICATIONS
SNEHA SUMAN	SK Verma	BIOLEACHING OF ZINC FROM LOW GRADE ORES
SURAJ DOSHI	Sonal Mazumder	SYNTHESIS AND CHARACTERIZATION NANOPARTICLES OF
ANURAG PRASAD	Shibasish Chowdhury	ANTIVIRAL DRUGS
RISHABH KUMAR	SK Verma	BIG DATA MODELING OF CANCER
ANSHU GUPTA	SK Verma	EXTRACTION OF ZINC FROM LOW GRADE ORES USING BIO LEACHING.
DHRUVA P KALRA	Uma S Dubey	BIOLEACHING OF ZINC FROM LOW GRADE ORES. TO STUDY THE ROLE OF ζ -LACTALBUMIN AS AN ANTI-CANCER AGENT.

LABORATORY PROJECTS

NAME	FACULTY	PROJECT TITLE
VARIS KUMAR KALIA	Shibasish Chowdhury	NEURAL NETWORKS AND THEIR APPLICATIONS IN VARIOUS BIOLOGICAL MODELS
NITISH	K.Solomon Raju	DEVELOPING GUI FOR STRUCTURAL HEALTH MONITORING (SHM) USING PYTHON
NITISH	Shibasish Chowdhury	NEURAL NETWORKS AND THEIR APPLICATIONS IN STRUCTURE PREDICTION
SARANYA DAS	K K Gupta	BIOMETRIC RECOGNITION SYSTEMS
ASEEM SAXENA	S Mohan	IMPLEMENTATION OF PATTERN FORMATION ALGORITHMS IN SWARM ROBOTICS
PRATEEK JAIN	Ravi Inder Singh	TESTING OF A NEWLY SYNTHESIZED BIODIESEL USING ORGANIC WASTE FOR ENGINE PARAMETERS AT DIFFERENT RPM
SHASHANK PANDEY	AK Das	STUDYING ORTHOLOGS OF PLASMODIUM FALCIPARUM AND PLASMODIUM VIVAX SHOWING SENSE AND ANTISENSE TRANSCRIPTS UNDER DIFFERENT CLINICAL CONDITIONS.
SHAH TEJAS YOGESH	Dheerendra Singh	SLIDING MODE CONTROL OF DC-DC CONVERTER (1 PHASE BRIDGE TYPE) FOR DRIVES.
SOPAN PATRA	G S Sessa Chalapathi	STUDY AND IMPLEMENTATION OF A WIRELESS SENSOR NETWORK (WSN) ALGORITHM
TANYA DIXIT	Anil Kumar Saini	DESIGN OF AN EFFICIENT SYSTEM CONTROLLER BLOCK FOR A NANOSATELLITE APPLICATION.
ABHISHEK GUPTA	Akbar	SELF TUNED PID CONTROLLER FOR AUTONOMOUS ROBOT
ANCHAL GARG	Anupam Singhal	DESIGN OF RAIN WATER HARVESTING FOR STUDENTS HOSTEL
ANISH SRINIVAS VASAN	Shilpi Garg	CLONING AND EXPRESSION OF A NUCLEAR ENCODED PROTEIN TARGETED TO APICOPLAST IN PLASMODIUM VIVAX.
HARSHIT GUPTA	J N Bandopadhyay	DEVELOPEMENT OF VIRTUAL QUANTUM COMPUTER FOR SIMULATION OF QUANTUM CIRCUITS
APURV NIGAM	Udayan Chanda	DEFAULT PREDICTION USING CREDIT SCORE MODELS
KAUSHIK RENGANAATH K	AK Das	IDENTIFICATION OF PROMOTER LIKE REGIONS IN PLASMODIUM
VIRAJ PRABHU	Kiran DC	FINE GRAINED THREAD EXTRACTION FROM SEQUENTIAL CODE USING LLVM COMPILER
EKANSH MITTAL	J N Bandopadhyay	DEVELOPMENT OF VIRTUAL QUANTUM COMPUTER FOR SIMULATING QUANTUM ALGORITHMS
APOORV UMANG SAXENA	Avinash Gautam	TERRAIN COVERAGE USING MULTIPLE MOBILE ROBOTS
POOJA GARG	N Mehala	Cluster Topic Identification
PRERAK MALL	Avinash Gautam	TERRAIN COVERAGE USING MULTIPLE MOBILE ROBOTS.
PREM MUKESH PAREKH	Virendra S Shekhawat	MULTIPATH TRANSMISSION CONTROL PROTOCOL (MTCP)
KARANDEEP JOHAR	Kiran DC	PERFORMANCE EVALUATION: REORDERING ALGORITHMS & CONGESTION CONTROL MECHANISMS
RISHAB KALRA	Kiran DC	INTEGRATING OPTIMIZATION PASS IN LLVM COMPILER
ABHISHEK VEERARAGHAVAN	Mayuri Digalwar	SCHEDULING FINE GRAINED THREADS ON MULTI-CORE PROCESSORS
SHUBHAM AGARWAL	Sundaresan Raman	STUDY AND IMPLEMENTATION OF REAL TIME MULTIPROCESSOR SCHEDULING ALGORITHMS
HIMANSHU BHARDWAJ	Navneet Goyal	MOBILE APP ON MEDICAL IMAGING.
AYAN PANDIT	Lucky Sharan	FACE RECOGNITION WITH AGEING
SAHARSH AGARWAL	Surekha Bhanot	DEVELOPMENT OF NFC BASED WSN FOR BIOMEDICAL APPLICATIONS
TARANG JAYESH SHAH	Ashish Mishra	DESIGN AND IMPLEMENTATION OF INTELLIGENT CONTROLLER FOR C5TH
ANOOP.K.RAJEEV	K K Gupta	SCHEDULER DESIGN USING PETALINUX IN FPGA FOR PR FLOW
		BIOMETRIC IMAGE PROCESSING AND RECOGNITION

LABORATORY PROJECTS

NAME	FACULTY	PROJECT TITLE
ESHAN BHATIA	Sanjay Singh	VLSI ARCHITCTURE FOR IMPLEMENTING FEATURE EXTRACTION ALGORITHMS.
ROHAN PASSEY	Lucky Sharan	DEVELOPMENT OF NFC BASED WSN FOR BIOMEDICAL APPLICATIONS
DIVYA ANSH ANUJ	Anu Gupta	VLSI ARCHITECTURE FOR A RUN-TIME MULTI-PRECISION RECONFIGURABLE BOOTH MULTIPLIER USING IEEE STANDARD
B VIGNESH	Sanjay Singh	VLSI ARCHITECTURE FOR FEATURE EXTRACTION AND PATTERN RECOGNITION
HEMANG CHAWLA	Bijoy Kumar Raut	INDUSTRIAL MANIPULATOR WITH VISION SYSTEM
ANKIT BANSAL	Tufan Chandra Bera	DETERMINATION OF CUTTING FORCE COEFFICIENTS IN TURNING.
DEVASHISH NEMA	P Srinivasan	ANALYSIS OF RESIDUAL STRESSES GENERATED IN WELD BEAD DUE TO THERMAL DISTORTION IN ARC WELDING PROCESS
VORA MEET AMIT	P Srinivasan	ANALYSIS OF RESIDUAL STRESSES IN WELD BEAD GENERATED DUE TO THERMAL DISTORTION IN ARC WELDING
V KAUSHIK RAJ	Smita Raghuvanshi	BIO-DEGRADATION OF GASOLINE BASED COMPOUNDS AND CHLORINATED VOCS
SRIKAR AREKATLA	Utkarsh Maheshwari	REMOVAL OF MULTIPLE METAL IONS FROM INDUSTRIAL WASTEWATER USING ADSORPTION (CONTINUOUS STUDY)
ABINANDH K BARADWAJ	Suresh Gupta	REMOVAL OF HEAVY METALS FROM INDUSTRIAL WASTE-WATER BY USING METALLIC NANO-ADSORBENTS.
ASHISH PANWAR	Anupam Singhal	ANALYSIS OF PHYSICO-CHEMICAL PROPERTIES OF GROUNDWATER AND ITS MODELLING
AMEYA GURURAJ KULKARNI	Shamsher B Singh	DESIGN AND ANALYSIS OF STRUCTURES COMPOSED OF CEMENT-INFUSED GEO-TEXTILES FOR REHABILITATION AFTER DISASTERS
LAKHANI ELESH YOGESH	Shamsher B Singh	DESIGN AND ANALYSIS OF STRUCTURES COMPOSED OF CEMENT INFUSED GEOTEXTILES FOR REHABILITATION AFTER DISASTER.
VINAYAK KRISHNAMURTHY	Shamsher B Singh	DESIGN AND ANALYSIS OF STRUCTURES COMPOSED OF CEMENT INFUSED GEOTEXTILES FOR REHABILITATION AFTER DISASTER
DEVYANI CHOUDHARY	Shamsher B Singh	THE STUDY OF SHELL STRUCTURES FOCUSING ON DEPLOYABLE STRUCTURES
PRAGNESH PAHUJA	Shamsher B Singh	CHARACTERIZATION OF FRP AND BFRP(BASALT FIBRE REINFORCED POLYMER) BARS FOR STRUCTURAL APPLICATION IN ECC BEAMS AND CONCRETE STRUCTURES.
NAMAN	Anupam Singhal	ANALYSIS OF PHYSICOCHEMICAL PROPERTIES OF GROUNDWATER AND ITS MODELLING
AKSHITA AGARWAL	Anupam Singhal	UTILIZATION OF BIO-ADSORBENT MATERIAL AS A FERTILIZER.
SARANSH SOLANKI	Shamsher B Singh	CHARACTERIZATION OF FRP AND BFRP (BASALT FIBER REINFORCED POLYMER) BARS FOR STRUCTURAL APPLICATION IN ECC BEAMS AND CONCRETE STRUCTURES.
NIKITA MOGLA	Anupam Singhal	DESIGN OF RAIN WATER HARVESTING SYSTEM FOR STUDENTS HOSTEL
AJAY SINGHVI	Abhijit R Asati	DESIGN OF ULTRA LOW POWER ARITHMETIC CIRCUITS USING SUB-THRESHOLD DESIGN TECHNIQUES.
S BALASUBRAMANIAM	Nidhi Chaturvedi	SIMULATION OF GAN HEMT ON SILVACO FOR HIGH VOLTAGE OPERATION
MAYANK GARG	Vinod Kumar Chaubey	STUDY AND SIMULATION OF LTE AND OTHER WIRELESS NETWORKS
KAUSTUBH SHEKHAR TANMANE	Pramod Kumar	ALGORITHM IMPLEMENTATION FOR FINGERPRINT IDENTIFICATION SYSTEMS
PRANAV NARAYAN GOUR	Nitin Chaturvedi	EVALUATION, DESIGN AND IMPLEMENTATION OF NON-UNIFORM CACHE ARCHITECTURES FOR MULTI-CORE AND MANY-CORE PROCESSORS

LABORATORY PROJECTS			
NAME	FACULTY	PROJECT TITLE	
YUVRAJ SAHNI	K.Solomon Raju	ENERGY OPTIMIZATION FOR THE PLACEMENT OF SENSORS FOR STRUCTURAL HEALTH MONITORING APPLICATIONS	
ARVIND BISWAL	Akbar	SELF TUNED PID CONTROL OF AUTONOMOUS UNDERWATER VEHICLE.	
SIDDHARTH MALHOTRA	Virendra S Shekhawat	FACE DETECTION APPLICATION IMPLEMENTATION FOR MIPS PROCESSOR	
SINGH SONALI	Anu Gupta	DIGITAL SYSTEM DESIGN USING IEEE STANDARDS	
MITHILESHKUMAR	Sanjay Singh	VLSI ARCHITECTURE FOR FACE DETECTION	
SRINIVAS GOPAL B V	RR Mishra	PROBLEMS IN DIFFERENTIAL GEOMETRY	
HIMANISH GANJOO	Vinita Tiwari	DESIGN AND MODELLING OF EQUALISERS IN WIRELESS COMMUNICATION SYSTEMS	
GUNVARUN SINGH SUDAN	Rajneesh Kumar	ADAPTIVE STEP SIZE WITH ADAPTIVE PERTURBATION FREQUENCY DIGITAL MPPT CONTROLLER DESIGN WITH A SINGLE SENSOR PHOTOVOLTAIC SOLAR SYSTEM	
PARAS KUMAR AGARWAL	K K Gupta	BIOMETRIC IMAGE PROCESSING AND RECOGNITION	
ASHWIN R	Abhijit R Asati	IMPLEMENTATION OF DIFFERENT ADDER CIRCUITS WITH MODIFIED XOR/XNOR GATES AND OPTIMIZING PDP.	
NAMAN MAHESHWARI	Abhijit R Asati	IMPLEMENTATION OF DIFFERENT ADDER CIRCUITS WITH MODIFIED XOR/XNOR GATES TO OPTIMIZE PDP	
ABHINAV MISHRA	Sanjay Singh	VLSI ARCHITECTURE AND EMBEDDED SYSTEMS DESIGN FOR HAND GESTURE RECOGNITION	
BINNANI SUMIT GOVINDLAL	Vinita Tiwari	STUDY AND MODELLING OF THE PHYSICAL LAYER IN LTE NETWORKS	
RITESH JAISWAL	Pankaj Agarwal	CARBON NANOTUBE BASED SENSOR	
SUYASH SHRIVASTAVA	Nidhi Chaturvedi	SIMULATION OF BACK BARRIER CONCEPT IN GAN HEMT USING SILVACO(ATLAS).	
SHREYASH PRATAP SINGH	J L Raheja	HUMAN GESTURE RECOGNITION USING SVM COMBINED WITH PCA	
GAURAV KAUSHIK	NN Sharma	ENERGY HARVESTERS	
ARUNABH BIYANI	NN Sharma	MEMS BASED PYROELECTRIC ENERGY HARVESTER	
AKSHAY S MENON			

SPECIAL PROJECTS			
NAME	FACULTY	COURSE CODE	PROJECT TITLE
NIKHIL KUMAR JHA	T Chakraborty	GS F491	AN ANALYSIS OF IMPACT OF CULTURAL INDUSTRIES ON URBAN ECONOMY.
APURV NIGAM	Arvind Sudarshan	FIN F491	STUDY OF MARKET STRUCTURES AND FUNCTIONING
KOTHUR SACHITH SRI RAM	N Mehala	CS F491	AUTOMATIC LABELLING OF CLUSTERS
NIKITA BHALLA	JP Misra	CS F491	HIGH PRECISION FORMATION CONTROL OF MOBILE ROBOTS USING VIRTUAL STRUCTURES AND DISTRIBUTED ANONYMOUS MOBILE ROBOTS:FORMATION OF GEOMETRIC PATTERNS
HEMANG CHAWLA	Amol M R Marathe	MF F491	ANALYTIC STUDY OF REDUCED ORDER MODEL OF A SPUR GEAR PAIR WITH TIME-PERIODIC STIFFNESS AND BACKLASH
JAY SAXENA	Kuldip Singh Sangwan	MF F491	LIFE CYCLE ASSESSMENT OF A PRODUCT
SHREYAS SAUMITRA	Rajesh P Mishra	MF F491	AN EXAMINATION OF THE RELATIONSHIPS BETWEEN JIT AND FINANCIAL PERFORMANCE
TULIKA PODDAR	HK Mohanta	CHE F491	ASSESSMENT AND MANAGEMENT OF SOLID WASTE GENERATED DURING PETROLEUM REFINING.

SPECIAL PROJECTS			
NAME	FACULTY	COURSE CODE	PROJECT TITLE
BHARGAVA SAKET SANJAY	Surojit Pande	CHEM F491	SYNTHESIS & CHARACTERIZATION OF COPPER & SILVER NANOPARTICLES ON GRAPHITIC CARBON NITRIDE SURFACES
ASHISH PANWAR	Ajit Pratap Singh	CE F491	MULTIOBJECTIVE OPTIMIZATION IN SUSTAINABLE GROUNDWATER MANAGEMENT
PENUMARTHI KIRAN	Manoj Kumar	CE F491	STUDY OF TUBULAR STRUCTURES
MANI MRUDULA K	G Muthukumar	CE F491	ANALYSIS OF STRUCTURE USING FEM AND MESH FREE METHODS
SIDDHARTH AWASTHI	Ravi Kant Mittal	CE F491	ECONOMICAL DESIGN OF FOUNDATION SYSTEMS
NIKITA MOGLA	G Muthukumar	CE F491	ANALYSIS OF STRUCTURE USING FEM AND MESH FREE METHOD
CANDADAI AADITYA ANAND	NN Sharma	ME F491	STUDY OF MICRO-FLUIDICS AND COMPILATION OF RELATED STUDY MATERIAL
MAYANK GROVER	Srikanta Routroy	ME F491	STUDY OF VARIOUS ASPECTS OF GREEN SUPPLY CHAIN
ANCHIT SOOD	NN Sharma	ME F491	MEMS BASED TRANSFORMER AS A POWER SOURCE FOR OTHER MEMS DEVICES.
B NAVEEN	NN Sharma	ME F491	STUDY OF MICROFLUIDICS AND COMPILATION OF RELATED STUDY MATERIAL
ANURAG NANDI	Srikanta Routroy	ME F491	STUDY OF VARIOUS ASPECTS OF LEAN SUPPLIER DEVELOPMENT
RITESH BATRA	Srikanta Routroy	ME F491	STUDY OF SUPPLY CHAIN PRACTICES IN OIL & GAS INDUSTRY
ABHISHEK KUMAR	Amol M R Marathe	ME F491	OPENFOAM/FREEFEM++ SIMULATIONS OF WIND TURBINE AND REDUCED ORDER MODELLING OF IN-PLANE AND OUT OF PLANE VIBRATIONS OF ROTOR BLADE OF THE WIND TURBINE
JAMMALAMADAKA MANI SAI SURYATEJA	Anil Kumar	ME F491	STUDY AND SIMULATION OF CNT BASED NANOMOTORS AND THEIR ACTUATION PRINCIPLES
CHINTHAKAYALA BHARAT KUMAR	Raj Kumar Gupta	PHY F491	IRIS RECOGNITION
DIVYA JANGIR	Shivi Agarwal	MATH F491	STUDY OF DATA ENVELOPMENT ANALYSIS(DEA) WITH UNDESIRABLE OUTPUT
KSHITIJ AGARWAL	Madhukar Mishra	PHY F491	CURRENT STATUS OF COLLIDER EXPERIMENTS AND ITS APPLICATIONS
GUDIPUDI RAKESH	Pushp Lata	GS F491	ANALYZING AND DEVELOPING CONTENT-PRESENTATION STYLES FOR WEBSITES
POTTIMUTHI LAXMAN	Raj Kumar Gupta	PHY F491	IRIS RECOGNITION
ANUSREE SARKAR	JP Misra	CS F491	HIGH PRECISION FORMATION CONTROL OF MOBILE ROBOTS USING VIRTUAL STRUCTURES AND DISTRIBUTED ANONYMOUS MOBILE ROBOTS:FORMATION OF GEOMETRIC PATTERNS
SHEFALI GARG	Avinash Gautam	CS F491	ANALYSIS OF AREA COVERAGE/ TERRAIN EXPLORATION ALGORITHMS USING MULTIPLE MOBILE ROBOTS.
SAHIL KHATKAR	NV Muralidhar Rao	ECON F491	AN ECONOMETRIC ANALYSIS OF TAX DISTRIBUTION IN INDIA.
NIKITA CHOUDHARY	Omvir Chaudhry	ECON F491	AN INVESTIGATIVE STUDY BETWEEN HEALTH STATE OF NATION,

SPECIAL PROJECTS			
NAME	FACULTY	COURSE CODE	PROJECT TITLE
MOHD. ZIA ARIF	Geetilaxmi Mohapatra	ECON F491	PREVALENT INEQUALITY AND PRODUCTIVITY ATTAINED
VINAYAK KESARWANI	NV Muralidhar Rao	ECON F491	COMPOSITION OF PUBLIC EXPENDITURE AND ITS IMPACT ON ECONOMIC GROWTH : AN EMPIRICAL ANALYSIS FOR INDIA
SAURABH GUPTA	Dilip K Maiti	MATH F491	STUDYING THE IMPACT OF PUBLIC EXPENDITURE ON SOCIETY
ARPIT BHUTANI	Dilip K Maiti	MATH F491	ARTIFICIAL COMPRESSIBILITY METHOD FOR INCOMPRESSIBLE FLUID FLOWS
S ASHWATH BALAJE	Ashish Tiwari	MF F491	ARTIFICIAL COMPRESSIBILITY METHOD FOR INCOMPRESSIBLE FLUID FLOW.
PRATHAMESH D HOSHING	Pankaj Biswas	MATH F491	MATHEMATICAL MODELLING OF CANCER
GAMPA ANIRUDH	Ashish Tiwari	MATH F491	SPECTRAL METHODS USING MATLAB
TOSHANIWAL MEGHESH SUSHIL	Dilip K Maiti	MATH F491	MATHEMATICAL MODELLING OF CANCER
R S PRAKRUTH	Pankaj Biswas	MATH F491	ARTIFICIAL COMPRESSIBILITY METHOD FOR INCOMPRESSIBLE FLUID FLOW
ABHISHEK MODI	Rajiv Kumar	MATH F491	SPECTRAL METHODS USING MATLAB
SNEHIL ARORA	Rajiv Kumar	MATH F491	STUDY AND IMPLEMENTATION OF GRAPH ALGORITHMS
UTSAV TIWARY	Pankaj Biswas	MATH F491	STUDY OF RECTANGULAR AND ORTHOGONAL DRAWINGS OF THE GRAPH
SIDDHARTH BHATIA	Sangita Yadav	MATH F491	KALMAN FILTERS AND NEURAL NETWORKS
ABYODAYA AGRAWAL	Pankaj Biswas	MATH F491	FINITE DIFFERENCE METHODS FOR ELLIPTIC PDES IN 2 DIMENSION
SIDDHANSH AGARWAL	Amol M R Marathe	ME F491	FINITE DIFFERENCE METHOD FOR BOUNDARY VALUE PROBLEM USING PARALLEL COMPUTERS
MAYUR SAXENA	Navneet Goyal	CS F491	OPENFOAM/FREEFEM++ SIMULATIONS OF WIND TURBINE AND REDUCED ORDER MODELING OF IN-PLANE,OUT-OF-PLANE VIBRATIONS OF ROTOR BLADE OF THE WIND TURBINE
SNEHA SUMAN	Sonal Mazumder	CHE F491	VIDEO BASED PERSON RECOGNITION
SARTHAK TIWARI	Sanjeev Kumar	BIO F491	SYNTHESIS AND CHARACTERISATION OF FLUOROSCENT NANOPARTICLES FOR BIOMEDICAL APPLICATION.
RISHIKA SURYA	Dipendu Bhunia	CE F491	IMPACT OF EXTERNAL FACTORS ON AUTOIMMUNITY AND CHRONIC DISEASES
ESHITA VYAS	Dipendu Bhunia	CE F491	TO INVESTIGATE AND STUDY THE PROPERTIES OF CELLULAR LIGHT WEIGHT CONCRETE.
ASHUTOSH VISHWAKARMA	Sanjeev Kumar	BIO F491	TO INVESTIGATE AND STUDY THE PROPERTIES OF CELLULAR LIGHT WEIGHT CONCRETE.
AISHIK DHAR	Pankaj Biswas	MATH F491	IMPACT OF EXTERNAL ENVIRONMENT ON AUTOIMMUNITY/CHRONIC DISEASE.
DIVYANSHU GOYAL	Rajiv Kumar	MATH F491	KALMAN FILTERS AND NEURAL NETWORKS
			STUDY AND IMPLEMENTATION OF GRAPH ALGORITHMS.

SPECIAL PROJECTS			
NAME	FACULTY	COURSE CODE	PROJECT TITLE
MANTINDER JIT SINGH	Amit Kumar Verma	MATH F491	CELLULAR AUTOMATA AND COMPLEXITY
Y SOWMYA	Sai Jagan Mohan	MF F491	COMPUTATIONAL FLUID DYNAMICS AND ITS APPLICATIONS IN AIRCRAFT DESIGN
AKASH PARAKRAM SINGH	Shivi Agarwal	MATH F491	STUDY OF SCALE EFFICIENCY IN FUZZY ENVIRONMENT.
KRUTI PRANAV KHAROD	Kunal Bhattacharya	PHY F491	RELEVANCE OF INFORMATION MEASURES IN FINANCIAL DATA.
AKSHAT SINGHAL	Subhashish Gangopadhyay	PHY F491	SEMICONDUCTOR NANOSTRUCTURES IN OPTO ELECTRONIC DEVICES
ANSHULA SHARMA	Niladri Sarkar	PHY F491	STUDY OF TRANSPORT IN NANO-SCALE MOSFETS
MUKUL KHEDWAL	Madhukar Mishra	PHY F491	PHYSICS OF ACCELERATORS & ITS APPLICATIONS
RASHI KHANDELWAL	Avinash Gautam	CS F491	ANALYSIS OF AREA COVERAGE/TERRAIN EXPLORATION ALGORITHMS USING MULTIPLE MOBILE ROBOTS.
ABHISHEK SHARMA	Madhukar Mishra	PHY F491	CROSS SECTION AND DECAY RATE CALCULATIONS IN QUANTUM ELECTRODYNAMICS

STUDY PROJECTS			
NAME	FACULTY	COURSE CODE	PROJECT TITLE
SUNKARA VAMSI KRISHNA	Lucky Sharan	EEE F266	STUDY OF SOLITON BASED DWDM NETWORKS
KONAKALLA SAI GANESH	Rikmantra Basu	EEE F266	ANALYTICAL MODELLING OF III -V COMPOUND QUANTUM CASCADE LASER
PRANET VERMA	Avinash Gautam	EEE F266	EVALUATION OF SEVERAL PATH PLANNING ALGORITHMS FOR COVERAGE USING MULTIPLE MOBILE ROBOTS
PRITISH PANI	Hari Om Bansal	EEE F266	ENERGY MANAGEMENT IN A HYBRID ELECTRIC VEHICLE
SRIJAN RASTOGI	Dheerendra Singh	EEE F266	STUDY OF PMSM (PERMANENT MAGNET SYNCHRONOUS MOTOR) CHARACTERISTICS FOR THE SUITABILITY OF ELECTRIC VEHICLES
PRAKHAR KUMAR	K.Solomon Raju	EEE F266	IMPLEMENTATION OF FINGERPRINT IDENTIFICATION SYSTEM
SHYAM MURTHY	Vineet Kumar	EEE F266	IRIS BIOMETRICS:-IRIS SEGMENTATION ALGORITHMS
NILAY BINJOLA	JP Misra	EEE F266	STUDY OF MULTI-AGENT SYSTEMS
RITIKA	K K Gupta	EEE F266	APPLICATION OF NEURAL NETWORKS IN IMAGE PROCESSING AND VISUALIZATION
REVATI VENKATA CHAITANYA GADE	Dheerendra Singh	EEE F266	STUDY OF ORGANIC SOLAR CELLS CHARACTERISTICS
ASTHA MISHRA	Sushila Shekhawat	GS F266	TO IDENTIFY, DEVELOP, AND ANALYZE SPECIFIC CASE STUDIES IN INDIAN JOURNALISM.
AARTI SHARMA	Pushp Lata	GS F266	NEED FOR CHANGE IN ENGLISH LANGUAGE PEDAGOGY AT UNIVERSITY LEVEL
DUSHYANT KUMAR	Omvir Chaudhry	ECON F266	BRAND IMAGE
RAVINA	Sushila Shekhawat	GS F266	IMPACT OF MASS MEDIA ON INDIAN CULTURE: A CASE STUDY APPROACH.
HARSH VARSHNEY	Kaushar Vaidya	PHY F266	IDENTIFICATION OF YOUNG STELLAR OBJECTS IN STAR-FORMING REGIONS
ARNAV GUPTA	Madhushree Sarkar	CHEM F266	APPLICATION OF COORDINATION POLYMERS IN GAS STORAGE.
MANISH KUMAR	Paritosh Shukla	CHEM F266	STUDY OF QUINOLINE CARBOXYLIC ACID DERIVATIVES.
VANDITA	Madhushree Sarkar	CHEM F266	ANALYSIS OF COORDINATION POLYMER OF 4 4

STUDY PROJECTS			
NAME	FACULTY	COURSE CODE	PROJECT TITLE
RAMANATH KAMATH			BIPYRIDINE
RAJATH S	RR Mishra	PHY F266	TRANSFORMATION OPTICS
SMARTH KAKKAR	Ashish Runthala	BIO F266	HARNESSING LOCAL STRUCTURAL FOLDS FROM DIFFERENT TEMPLATES TO CONSTRUCT AN IMPROVED MODEL TOPOLOGY.
SAURJYA SARKAR	Kaushar Vaidya	PHY F266	A STUDY OF PROPERTIES OF H II REGIONS
NIRALI KANSARA	NV Muralidhar Rao	FIN F266	SOME ASPECTS OF PORTFOLIO MANAGEMENT BY CLUSTERING INDIAN STOCK MARKET DATA
ADITI JOSHI	Rajan Pandey	FIN F266	MODELING VOLATILITY AND ITS FORECASTING USING DATA FROM OPTIONS MARKET.
ANURAAG JAIN	NV Muralidhar Rao	FIN F266	EFFECTIVENESS OF OKUN'S LAW: DO BRIC NATIONS FOLLOW IT?
GEET KALRA	Arya Kumar	FIN F266	CALCULATION OF AMOUNT OF FUNDING RAISED BY AN INDIVIDUAL BASED ON HIS ABILITIES BY THE USE OF ITEM RESPONSE THEORY.
SHARDUL VIKKRAM SINGH	Pramod Kumar	INSTR F266	STUDY OF XILINX ZYNQ DEVICES
PALAK JAIN	Rakhee	MATH F266	STUDY OF FUZZY RELIABILITY THEORY
SHASHANK GUPTA	Srinivas Kota	MF F266	QUALITY DETERMINATION AT CONCEPTUAL STAGE
AKASH PARAKRAM SINGH	Udayan Chanda	FIN F266	CREDIT SCORING MODELS FOR THE EVALUATION OF BUSINESS LOAN APPLICATIONS.
AKSHAT SINGHAL	Anupam Singhal	CE F266	FLOW OF WATER THROUGH PIPES IN A 10 STOREY BUILDING.
ANIRUDH SHARMA	Kaushar Vaidya	PHY F266	IDENTIFICATION OF YOUNG STELLAR OBJECTS IN STAR-FORMING REGIONS
ROHAN K MEHTA	Kunal Bhattcharya	PHA F266	JARZYNSKI EQUALITY
MILIND SAH	D D Pant	PHY F266	FLUORESCENCE QUENCHING IN MICELLES
KAUSTUBH SHRIKRISHNA NAWADE	Avinash Gautam	EEE F266	DESIGN AND IMPLEMENTATION OF TERRAIN COVERAGE ALGORITHMS FOR MULTIPLE ROBOT SYSTEMS
ANSHULA SHARMA	Sneh Lata Murotiya	EEE F266	DESIGN OF DIGITAL CIRCUITS USING CNTFET
TANAYVEER SINGH BHATIA	Tapomoy G Sarkar	PHY F266	DIFFERENTIAL GEOMETRY GRAVITY AND GAUGE THEORIES
RUCHIR DWIVEDI	Tapomoy G Sarkar	PHY F266	COSMOLOGICAL STRUCTURE FORMATION
ANMOL BANSAL	Madhukar Mishra	PHY F266	DETECTION OF NUCLEAR RADIATION OR PARTICLES
KARTIK DOKANIA	Navin Singh	PHY F266	STACKING ENERGIES OF NUCLEIC ACID BASES
RASHI KHANDELWAL	Tapomoy G Sarkar	PHY F266	STUDY OF STELLAR EVOLUTION
KEDIA SAMEER RAJIV	Manjuladevi V	PHY F266	METAMATERIALS AND THEIR APPLICATIONS
BHASKAR SINGHAL	Madhukar Mishra	PHY F266	APPLICATION OF NUCLEAR PHYSICS IN DIAGNOSTICS AND TREATMENT (NUCLEAR MEDICINE)
ABHISHEK YADAV	Madhukar Mishra	PHY F266	CURRENT STATUS OF NEUTRINO PHYSICS IN INDIA AND ABROAD.
ARMANJEET SINGH	D D Pant	PHY F266	FLUORESCENCE QUENCHING
ROHIT UPRETI	Kunal Bhattcharya	PHY F266	PRINCIPALS OF BROWNIAN MOTORS
KSHITIJ SAXENA	Pramod Kumar	INSTR F266	STUDY OF XILINX ZYNQ DEVICES
RACHIT JAIN	B.D.Pant	INSTR F266	DEVELOPMENT OF ELECTRONIC INSTRUMENTATION FOR MEMS BIO SENSORS.
VIPIN PRITIMANI	Amol Holkundkar	PHY F266	STUDY OF PLASMA BASED PARTICLE ACCELERATORS
GURBEER SANDHU	A Anand Kumar	INSTR F266	SLIDING MODE CONTROL OF INDUCTION MOTOR
MANAN	Navin Singh	PHY F266	THERMODYNAMIC STUDY OF MELTING OF

STUDY PROJECTS			
NAME	FACULTY	COURSE CODE	PROJECT TITLE
MEHROTRA			DOUBLE-STRANDED DNA IN CROWDED SOLUTION
AKSHIT SETH	Sai Jagan Mohan	ME F266	ANALYSIS OF HYDRODYNAMIC INSTABILITY
RIDDHI JAIN	Arvind Kumar Sharma	CHE F266	STATISTICAL THERMODYNAMICS: POSSIBILITIES AND CHALLENGES.
AIANA GOYAL	Pratik N Sheth	CHE F266	E-WASTE
SOUMYA SANDIPA	Dipendu Bhunia	CE F266	DESIGNING AN APP/WEBSITE FOR TABULATING CONCRETE MIX DESIGN PROPORTIONS BASED ON TEMPERATURE AND MOISTURE CONTENT.
SHRUTI PANDEY	Dipendu Bhunia	CE F266	DESIGNING AN APP/WEBSITE FOR TABULATING CONCRETE MIX DESIGN PROPORTIONS BASED ON TEMPERATURE AND MOISTURE CONTENT
SYED ADEEL ZAKI	Anupam Singhal	CE F266	DESIGN OF INTELLIGENT TRANSPORT SYSTEM FOR PILANI TOWN AND STUDY OF AIR POLLUTANTS
ANURAG GOYAL	R Gupta	CE F266	FACILITY MANAGEMENT USING GIS AND GA
AYUSH SAXENA	AK Sarkar	CE F266	TRAFFIC FORECASTING
SIDDHARTH JHAWAR	AK Sarkar	CE F266	ESTIMATION OF PEDESTRIAN LEVEL OF SERVICE PLOS
ABHISHEK PADHI	Dipendu Bhunia	CE F266	ANALYSIS AND DESIGN OF INDUSTRIAL STRUCTURES
G. NITIN CHAKRAVARTHY	Shamsher B Singh	CE F266	BLAST RESISTANT DESIGN OF STRUCTURES
SHIVAM BANSAL	R Gupta	CE F266	APPLICATIONS OF VISUAL LOGIC IN CIVIL ENGINEERING
INAMPUDI CHAITANYA	Gajendra S Chauhan	GS F266	THE FUTURE OF PRINT MEDIA VIS-A-VIS ONLINE MEDIA
SIDDHARTH	Dipendu Bhunia	CE F266	ANALYSIS OF INDUSTRIAL STEEL STRUCTURES
SHALEEN MANOCHA	G Muthukumar	CE F266	REHABILITATION OF A BUILDING.
MAYANK MISHRA	Shamsher B Singh	CE F266	BLAST RESISTANT STRUCTURES
MOHIT CHATURVEDI	Shibani K Jha	CE F266	SIMULATION STUDIES OF THERMAL FRONT IN GEOTHERMAL RESERVOIR
KHUMAAN MALPANI	Ravi Kant Mittal	CE F266	BEHAVIOUR OF FOOTINGS RESTING ON RANDOMLY REINFORCED SOIL.
EBIN JOSEPH PACHILAMUTTATH	Anshuman	CE F266	SEISMIC FORCES IN MEMBERS SUPPORTING FLOATING COLUMNS IN MULTI-STOYED BUILDINGS
KUNAL BIYANI	Anshuman	CE F266	SEISMIC FORCES IN MEMBERS SUPPORTING FLOATING COLUMNS IN A MULTISTORY BUILDING
DHARMDEEP SINGH	AK Sarkar	CE F266	DEVELOPING A NEW SCALE FOR RURAL ACCESSIBILITY INDEX
ANKUSH GUPTA	R Gupta	CE F266	PASSIVE SOLAR ARCHITECTURE
VARUN PANCHOLY	Shibani K Jha	CE F266	SIMULATION STUDIES OF THERMAL FRONT IN GEOTHERMAL RESERVOIR
PRIYA AGARWAL	Shibani K Jha	CE F266	SIMULATION STUDIES OF MERCURY DISSOLUTION IN GROUND WATER AT ITS RESIDUAL SATURATION.
ANNESH BORTHAKUR	Dipendu Bhunia	CE F266	CONSTRUCTION OF LOAD BEARING WALLS USING INTERLOCKING CONCRETE BLOCKS
KUSHAGRA GUPTA	Shibani K Jha	CE F266	SIMULATION STUDIES OF MERCURY DISSOLUTION IN GROUND WATER AT ITS RESIDUAL SATURATION
VIPUL ARORA	R Gupta	CE F266	FUZZY LOGIC APPLICATIONS IN CIVIL ENGINEERING
UTKARSH GUPTA	Dipendu Bhunia	CE F266	ANALYSIS AND DESIGN OF INDUSTRIAL STRUCTURES
GANDHI PREM SRUJALKUMAR	R Gupta	CE F266	PASSIVE SOLAR ARCHITECTURE
VISHAL	Ravi Kant Mittal	CE F266	STATIC AND DYNAMIC PROPERTIES OF RANDOMLY REINFORCED SOIL

STUDY PROJECTS			
NAME	FACULTY	COURSE CODE	PROJECT TITLE
PRAVEEN BANSAL	Dipendu Bhunia	CE F266	CONSTRUCTION OF LOAD BEARING WALLS USING INTERLOCKING CONCRETE BLOCKS
ATIF JAN	Rikmantra Basu	EEE F266	ANALYTICAL MODELLING OF SILICON BASED QUANTUM CASCADE LASER.
P S S MAHESWARI	A Anand Kumar	EEE F266	STUDY OF RENEWABLE ENERGY SOURCES
ADITYA HARIT	Akbar	EEE F266	MODELLING AND CONTROL OF AUTONOMOUS UNDERWATER ROBOTIC BODY
ANSHUMAN MISHRA	J L Raheja	EEE F266	SHAPE RECOGNITION USING GENETIC ALGORITHM
ASHUTOSH K R PANDEY	Shan Balasubramaniam	CS F266	FORMAL MODELING AND SPECIFICATION OF PROPERTIES OF P2P SYSTEMS.
MAHIMA GUPTA	Ravi Saini	CS F266	FACE RECOGNITION ALGORITHMS
VAIBHAV VERMA	Mahesh Angira	INSTR F266	STUDY OF VARACTOR BASED ON RF MEMS TECHNOLOGY
ANVEET CHAWLA	Rajneesh Kumar	INSTR F266	STUDY OF VARIOUS SENSORS USED IN WIRELESS POWER TRANSMISSION
HARKARE AMEYA PRASHANT	Sangeeta Sharma	GS F266	GUERRILLA MARKETING IN INDIA : SCOPE AND STRATEGIES.
JOSE JOY	Praveen Kumar A V	INSTR F266	MATERIAL CHARACTERIZATION OF MICROWAVE FREQUENCIES USING RESONANT CAVITY METHODS.
RAJAT GREWAL	Vineet Kumar	INSTR F266	IRIS BIOMETRICS:-IRIS SEGMENTATION ALGORITHMS
SWAYAM PRABHA	K K Gupta	INSTR F266	APPLICATION OF NEURAL NETWORKS IN IMAGE PROCESSING AND VISUALIZATION
PRABHDEEP SINGH WALIA	Akbar	INSTR F266	MODELLING AND CONTROL OF AN AUTONOMOUS UNDERWATER ROBOTIC DEVICE
PRACHI KUSHWAH	Vinita Tiwari	INSTR F266	COMPARITIVE STUDY OF EQUIVALIZERS IN WIRELESS COMMUNICATIONS
PILLIGUNDLA PRANNOY	K.Solomon Raju	INSTR F266	IMPLEMENTATION OF FINGERPRINT IDENTIFICATION SYSTEM
VEMURI HARI PRIYA	Dheerendra Singh	INSTR F266	STUDY OF ORGANIC SOLAR CELLS CHARACTERISTICS
SENJALIYA BHAVIN	Mahesh Angira	INSTR F266	STUDY OF RF SWITCHES BASED ON RF MEMS TECHNOLOGY.
RAJENDRABHAI PRAKHAR	J L Raheja	IS F266	SHAPE RECOGNITION USING GENETIC ALGORITHM
AGARWAL			
BALADARI NIKHITA	Anu Gupta	INSTR F266	SCIENTIFIC STUDY OF CARBON NANOTUBES AND ITS APPLICATIONS IN OPTOELECTRONICS.
ANKIT MAHAJAN	Sneh Lata Murotiya	INSTR F266	CNTFET BASED DESIGN OF DIGITAL COMPONENT
ABHISHEK KUMAR ROUSHAN	Vineet Kumar	INSTR F266	IRIS BIOMETRICS
NEOPHY BISHNOI	Hari Om Bansal	INSTR F266	USAGE OF SIGNAL PROCESSING METHODS FOR ROAD PROFILE MEASUREMENT IN HYBRID ELECTRIC VEHICLES
CHIRAG TALREJA	J L Raheja	INSTR F266	DEFLAGRATION DETECTION USING IMAGE PROCESSING
SUDEVAN C	Praveen Kumar A V	INSTR F266	DESIGN ASPECTS OF ELECTROMAGNETIC CAVITIES FOR PARTICLE ACCELERATORS.
SHUBHAM ABROL	Srinivas Kota	MF F266	THOROUGH STUDY ON RELATIONSHIP BETWEEN SAFETY AND PRODUCT IN TERMS OF (SOCIETY/INDIVIDUAL/ENVIRONMENTAL)SAFETY.
MAYANK GAUTAM	Srinivas Kota	MF F266	THOROUGH STUDY OF ONLINE RETAILING, ITS INFLUENCE ON SOCIETY AND ENVIRONMENT.
VAIBHAV	Rakhee	MATH F266	TO OPTIMIZE THE UNSPRUNG WEIGHT OF A FSAE RACE CAR
AVIRUDDH JAIN	Rajesh P Mishra	MF F266	DEVELOPMENT OF LEANNESS MATRIX FOR MANUFACTURING
SANJANA TEJE	Subrata Bandhu Ghosh	MF F266	THE SYNTHESIS AND USE OF BIODEGRADABLE NANOMATERIALS FOR BIO MEDICAL

STUDY PROJECTS			
NAME	FACULTY	COURSE CODE	PROJECT TITLE
ROHAN ARYA	Jitendra S Rathore	MF F266	APPLICATIONS
ANKIT SARAF	Srinivas Kota	MF F266	STUDY OF DYNAMIC FORCE ANALYSIS ON CHASSIS AND STEERING ASSEMBLY.
RICKY LOHKAR PRADHAN	Somdatta Bhattacharya	HSS F266	THOROUGH STUDY OF TRADITIONAL RETAILING, ITS INFLUENCE ON THE SOCIETY AND ENVIRONMENT.
HARSH KHANDELWAL	Abhijit K Digalwar	MF F266	REPRESENTATION OF ASSAMESE CULTURE IN SELECT EXAMPLE OF CONTEMPORARY LITERATURE
HARDIK GUPTA	Abhijit K Digalwar	MF F266	STUDY OF CRITICAL SUCCESS FACTORS FOR GREEN SUPPLY CHAIN MANAGEMENT.
EKBOTE ARJUN SHRIDHAR	Anshuman Dalvi	PHY F266	STUDY OF VARIOUS LEAN MANUFACTURING TOOLS AND TECHNIQUE
KORADIA NEEL VINODKUMAR	MS Dasgupta	ME F266	LATP-GLASS COMPOSITES FOR LITHIUM BATTERY APPLICATIONS
PANKHURI PRIYA	Subrata Bandhu Ghosh	MF F266	BUILDING A FEEL AND TOUCH LIBRARY FOR ENGINEERING GRAPHICS
SHANMUKH DHRONA KANKANALA	Srinivas Kota	MF F266	DESIGN OF A PORTABLE EXTRUDER TO CREATE ECO-FRIENDLY RAW MATERIALS FOR 3D PRINTING.
RACHNA JHA	P Srinivasan	MF F266	DETAILED STUDY OF PRODUCT AFTERUSE STRATEGIES IN INDIA
YUGANSHU JAIN	Rajesh P Mishra	MF F266	CREEP-FATIGUE INTERACTION ON TURBINE BLADES OF NICKEL-COBALT SUPERALLOYS
PREETI KUMAR	Hitesh Dutt Mathur	INSTR F266	DEVELOPMENT OF RELIABILITY STRATEGIES FOR A MANUFACTURING ORGANIZATION
ADITYA MANGLA	Poonam Goyal	CS F266	DESIGN AND DEVELOPMENT OF SIMULATION MODEL OF MICROGRID.
SHIKHIN GARG	Ashish Runthala	BIO F266	PARALLELISING PRE-PROCESSING TECHNIQUES FOR CLUSTERING
SOURADEEP BHATTACHARYA	Kaushar Vaidya	PHY F266	HARNESSING LOCAL STRUCTURAL FOLDS FROM DIFFERENT TEMPLATES TO CONSTRUCT AN IMPROVED MODEL TOPOLOGY.
ANKITA DAIYA	Shilpi Garg	BIO F266	A STUDY OF PROPERTIES OF H II REGIONS.
ISHA GOEL	Rajdeep Chowdhury	BIO F266	EPIGENETIC CONTROL OF APICOMPLEXANS WITH SPECIAL REFERENCE TO PLASMODIUM AND RELATED.
VIBHUTI MEHTA	Pushp Lata	HSS F266	INVESTIGATING THE LIPID PROFILE OF CANCER CELLS
VANDANA SAINI	NV Muralidhar Rao	ECON F266	ORGANIZATIONAL CULTURE AND LEADERSHIP:AN EMPIRICAL STUDY
MINAL AGRAWAL	NV Muralidhar Rao	ECON F266	SOME ASPECTS OF FINANCIAL MANAGEMENT IN SMALL SCALE INDUSTRIES
PINKY SAINI	Sarvesh Satija	ECON F266	SOME ASPECTS OF FINANCIAL MANAGEMENT IN SMALL SCALE INDUSTRIES
MALAY SINGH	RR Mishra	PHY F266	BITS,PILANI AS VIRTUOUS ORGANISATION:JOURNEY FROM INCEPTION TO PRESENT
HITESH AGARWAL	Manjuladevi V	PHY F266	TRANSFORMATION OPTICS
PARTH GARG	RR Mishra	PHY F266	ANALYSIS OF VARIOUS KINDS OF SENSORS FOR SPACE MISSIONS.
SURABHI JAIN	Rajneesh Choubisa	HSS F266	SPACECRAFT DYNAMICS AND CONTROL
OHIL CHAWLA	Yashvardhan Sharma	IS F266	EXPLORING THE UTILITY AND SIGNIFICANCE OF R
VARUN BHARDWAJ	Rajesh P Mishra	ME F266	A STUDY ON APPLICATION OF MAS FOR WEATHER FORECAST
ABHINAV ANURAG	Rajneesh Choubisa	HSS F266	DEVELOPMENT OF GUI OF FUZZY AMD MODEL
SUMI JAIN	Sangeeta Sharma	GS F266	EXPLORING THE UTILITY AND SIGNIFICANCE OF R.
			TO STUDY MARKETING SKILLS FOCUSING ON GUERRILLA MARKETING AND ALSO COMPARING

STUDY PROJECTS			
NAME	FACULTY	COURSE CODE	PROJECT TITLE
			IT WITH DIGITAL MARKETING.
VAKACHARLA HARI CHANDU	Devendra Kumar	MATH F266	NUMERICAL SOLUTIONS OF ODE AND PDE USING FDM
VENISETTY CHANDRAKANTH	Umesh Dhyani	GS F266	POLITICAL PARTY CAMPAIGNING & USE OF SOCIAL MEDIA
YASH JAIN	K Hari Babu	IS F266	ENHANCING EXISTING CONGESTION CONTROL MECHANISMS USING SOFTWARE DEFINED NETWORKING .
G. SAI SRIVASISHTA	Praveen Goyal	FIN F266	ANALYSIS OF CSR REPORTING PRACTICES IN INDIAN SERVICE SECTOR
SRIGIRIRAJU V P S SAI KRISHNA	Anil Rai	GS F266	FOLK LORES OF INDIA
DAMA CHAITANYA	Umesh Dhyani	GS F266	MEDIA AND ITS ROLE IN PROMOTING POLITICAL PARTY IDEOLOGIES AND SOCIAL WELFARE SCHEMES
MANMEET SINGH	J L Raheja	IS F266	OBJECT DETECTION USING THERMAL IMAGING
MUKUL GUPTA	NV Muralidhar Rao	FIN F266	ESTIMATION OF ECONOMIC PERFORMANCE OF INDIA FROM AN INFRASTRUCTURE POINT OF VIEW - ANALYSIS AND PREDICTIVE MODELLING
RAVINA GOYAL	NV Muralidhar Rao	FIN F266	EXISTENCE OF LEAPFROGGING IN ICT- ITS EFFECT ON INFRASTRUCTURE AND SUBSEQUENT EFFECT ON ECONOMIC GROWTH
SHREYA MATHUR	Rajan Pandey	FIN F266	MODELING VOLATILITY AND ITS FORECASTING USING DATA FROM INDIAN STOCK MARKET.
ADITI SINGHAL	Sneh Lata Murotiya	EEE F266	DESIGN OF DIGITAL CIRCUITS USING CNT-FET
HARSH LAILER	Jitendra S Rathore	ME F266	STUDYING OF NANOROBOTS MOVEMENT INSIDE A BODY AND THEIR SIMULATION USING BOUNDARY ELEMENT METHOD (BEM).
SHASHANK PANDEY	Jitendra S Rathore	ME F266	STUDY OF THE MOVEMENT OF NANOROBOTS INSIDE SPECIMEN BODY AND ITS SIMULATION. DEVELOPMENT OF GENETIC ALGORITHMS AND ITS IMPLEMENTATION TO PREDICT THE STRUCTURES OF VARIOUS IMPORTANT BIO MOLECULES. APPLICATION OF GENETIC ALGORITHMS IN DEVELOPMENT OF MODULAR ROBOTICS.
PALLE ABHISHEK REDDY	Shibasish Chowdhury	BIO F266	
KAPIL ARORA	Shashikant Sadistap	EEE F266	LATEST SEMI CONDUCTOR DEVICES FOR POWER ELECTRONIC DRIVES.
RISHABH CHOUDHARY	K.Solomon Raju	EEE F266	DEVELOPMENT OF SENSOR INTERFACING USING ARM PROCESSOR.
K SRINIVASA KEERTHI REDDY	A Anand Kumar	EEE F266	STUDY OF HIGH PERFORMANCE POWER ELECTRONIC CONVERTERS
AMAN GUPTA	Surekha Bhanot	EEE F266	ARTIFICIAL INTELLIGENCE TECHNIQUES AND THEIR APPLICATIONS
PALVATLA SHASHIKANTH REDDY	Gajendra S Chauhan	GS F266	THE FUTURE OF PRINT MEDIA VIS-A-VIS ONLINE MEDIA
VANAM SAISRI	Dheerendra Singh	EEE F266	MULTITERMINAL HVDC TRANSMISSION SYSTEM
BHAT VINIT ANIL	Rajneesh Kumar	EEE F266	CONTROL SYSTEM OF A WIRELESS POWER TRANSFER SYSTEM
SHAIK ADIL ISLAM	Lucky Sharan	EEE F266	STUDY OF SOLLITON BASED DWDM NETWORKS.
VAMSI KRISHNA MEDA	Rajneesh Kumar	EEE F266	STUDY OF VARIOUS SENSORS USED IN WIRELESS POWER TRANSMISSION.
PEDDI RAVI TEJA	Lucky Sharan	EEE F266	STUDY OF SOFTWARE DEFINED OPTICAL NETWORKS.
V V SAI PRANEETH	NV Muralidhar Rao	ECON F266	PORTFOLIO MANAGEMENT IN INDIAN STOCK EXCHANGE USING CLUSTERING METHODS
RAJPUT DIGVIJAYSINGH	Vineet Kumar	EEE F266	IRIS BIOMETRICS
ABREO ALOYSIUS PETER	Rikmantra Basu	EEE F266	BASIC STUDY OF III-V COMPOUND BASED INTERMEDIATE BAND SOLAR CELL.
KIRAN RAMNATH	Rikmantra Basu	EEE F266	BASIC STUDY OF SI-BASED INTERMEDIATE BAND SOLAR CELL

STUDY PROJECTS			
NAME	FACULTY	COURSE CODE	PROJECT TITLE
NAVKARAN SINGH	Devika	HSS F266	TO STUDY THE EDITING TECHNIQUES REQUIRED DURING THE MAKING OF A FILM.
NEHA JINDAL	Akbar	EEE F266	DSP BASED SLIDING MODE CONTROLLER FOR AUTONOMOUS UNDERWATER VEHICLE(AUV)
ARNAV VARMA	Akbar	EEE F266	AUTONOMOUS CONTROL ROBOT USING PID CONTROLLER.
SIJO VM	Murali Palla	ME F266	FRACTURE BEHAVIOUR OF MATERIALS
HARISANKAR.R	Murali Palla	ME F266	FRACTURE BEHAVIOUR OF MATERIALS
CHERUVU PHALANIS	Sai Jagan Mohan	ME F266	STUDYING THE FUNDAMENTAL CONCEPTS OF COMPRESSIBLE AERODYNAMIC SENSITIVITY ANALYSIS.
NIKHIL GUPTA	Murali Palla	ME F266	MODELLING AND SIMULATION OF MATERIALS USING LAMMPS SOFTWARE.
KARWA CHAITANYA AMOL	Sharad Srivastava	ME F266	FLUID DYNAMICS OF ANIMAL LOCOMOTION
ROHAN MISHRA	G Meenakshi Sundaram	EEE F266	QUALITY FACTOR ANALYSIS OF MEMS RESONATORS
ANIRBAN ROY	Ravi Inder Singh	ME F266	RUNTIME CONVERSION OF 4 STROKE IC ENGINE TO 2 STROKE AND VICE-VERSA
CHILUKURI ABHIJIT	Sai Jagan Mohan	ME F266	CALCULUS OF VARIATIONS: APPLICATIONS TO CONTROL AND OPTIMIZATION
KUNAL MANCHANDA	Murali Palla	ME F266	CRACK PROPAGATION IN COMPOSITES.
CHE TAN ANAND	Sachin U Belgamwar	ME F266	MECHANICAL AND ELECTRICAL CHARACTERIZATION OF CARBON NANOTUBE REINFORCED COPPER NANO COMPOSITE.
SHASHANK BAVEJA	Jitendra S Rathore	ME F266	BUCKLING SIMULATION AND ANALYSIS
J V N KARTHIK	Murali Palla	ME F266	MODELLING AND SIMULATION OF MATERIALS
PRATIK DHAR	Murali Palla	ME F266	MODELLING AND SIMULATION OF MATERIALS
AFZAL AHMED KHAN	Murali Palla	ME F266	STRENGTH AND TOUGHNESS IN COMPOSITES
VINEET GUPTA	Jitendra S Rathore	ME F266	STUDY OF DYNAMIC FORCE ANALYSIS ON CHASSIS AND ENGINE ASSEMBLY
VIKHYAT KALRA	Ravi Inder Singh	ME F266	RUNTIME CONVERSION OF 4STROKE IC ENGINE TO 2STROKE AND VICE-VERSA
KUSHAGRA SHARMA	G Meenakshi Sundaram	EEE F266	QUALITY FACTOR ANALYSIS OF MEMS RESONATOR
ANURAG PRASHANTA	Sai Jagan Mohan	ME F266	BIFURCATING AIR JET AND FORMATION OF A NET-NEGATIVE CHARGED LIQUID SPRAY.
PODDAR CHITNENI HARISH DATTA	S Murugesan	PHA F266	STUDY ON VARIOUS TARGETS OF ANTI-TUBERCULAR AGENTS
PAVAN CHANDANA	Sunil Kumar Dubey	PHA F266	DEVELOPMENT AND IMPLEMENTATION OF MS EXCEL IN ANALYTICAL AND BIOANALYTICAL METHODS
ADHIRAJ SINGH SHEKHAWAT	Gautam Singvi	PHA F266	NANOSUSPENSIONS - INTRODUCTION AND CURRENT PERSPECTIVE
AANCHAL VARMA	Gautam Singvi	PHA F266	NANOPARTICLE AS TARGETTED DRUG DELIVERY SYSTEM
DHARMENDER NIRBAN	Gautam Singvi	PHA F266	LIPOSOMES AS TARGETTED DRUG DELIVERY SYSTEMS.
SHUBHAM RAJE	Hemant R Jadhav	PHA F266	NEW TARGET CELLS AND DIABETES.
TATA MAHANTH SAI RAJA	Rajeev Taliyan	PHA F266	TO STUDY THE PATHOGENESIS OF DIABETIC CARDIOMYOPATHY AND ITS MANAGEMENT
GRANDHI S N RATNABHIRAM	Gautam Singvi	PHA F266	AQUASOMES - A NOVEL DRUG DELIVERY SYSTEM
RISHABH KAUL	K.Solomon Raju	CS F266	A STUDY OF WIRELESS SENSOR NETWORKS SIMULATOR FOR ARM AND MSP430
ANANT SRINIVAS SUBRAMANIAN	Shan Balasubramaniam	CS F266	PARALLEL HIERARCHICAL CLUSTERING ALGORITHMS
SATYAKI UPADHYAY	K.Solomon Raju	CS F266	STUDY OF WIRELESS SENSOR NETWORK SIMULATOR - EMULINK

STUDY PROJECTS			
NAME	FACULTY	COURSE CODE	PROJECT TITLE
KSHITIJ AWADHESH KUMAR	K.Solomon Raju	CS F266	A STUDY OF WIRELESS SENSOR NETWORKS SIMULATOR FOR ARM AND MSP430
ANUJ AGGARWAL	Asma Rani	CS F266	QUERY INVERSION
HIMANGI WADHWA	Ravi Saini	CS F266	FACE RECOGNITION ALGORITHMS
JASHANJOT KAUR	Rajneesh Choubisa	HSS F266	EXPLORING THE UTILITY AND SIGNIFICANCE OF R
MEGHNA BANSAL	Shan Balasubramaniam	CS F266	AUTOMATIC ONLINE ASSESSMENT OF TESTS AND EXAMS- DEVELOPMENT OF ALGORITHMS TO VERIFY/MATCH DIGITAL CIRCUITS
RAGHAV JAJODIA	Dhiraj	CS F266	MOTION DETECTION OF OBJECT IN INFRARED
PRANAV GUPTA	Raj Kumar Gupta	PHY F266	SEAM CARVING OF IMAGES
YAYI SRI HARSHA	Arun Kumar	GS F266	EMPLOYEE RELATIONSHIP MANAGEMENT INDEX IN INDIAN IT SECTOR
SIDDHANT TULI	Yashvardhan Sharma	CS F266	A STUDY ON OPTIMIZATION OF MAS FOR WEATHER FORECAST.
SRISHTI DHAMIJA	Navneet Goyal	CS F266	MINING MULTI-VARIATE TIME SERIES DATA
ISHA	Ravi Saini	CS F266	FACE RECOGNITION ALGORITHMS
ANOOP D GHARDE	K Hari Babu	CS F266	REDUCING IMPACT OF ARP AND ICMP TROPHIC IN DATA CENTRES USING SDN.
GUNTAKA SAI CHARAN REDDY	Devendra Kumar	MATH F266	NUMERICAL SOLUTIONS OF ODE AND PDE USING FDM
RAJA V S K MURTHY	Sangeeta Sharma	HSS F266	CREATIVE THINKING:OPENING NEW VISTAS TO THINKING
TIRUMALASETTY ANKIT KUMAR ROUT	Omvir Chaudhry	ECON F266	THE ECONOMIC RAMIFICATIONS OF THE UKRANIAN CRISIS 2014
SHANKER R	P Srinivasan	ME F266	ANALYSIS OF DIRECT STEAM GENERATION BOILER FOR SOLAR THERMAL POWER PLANT
RAMYA KUSUMA PILLUTLA	Sundaresan Raman	IS F266	COMPARATIVE ANALYSIS OF SHADER ALGORITHMS
DEEPAK MALIK	J N Bandopadhyay	CS F266	REAL IMPLEMENTATION OF QUANTUM CRYPTOGRAPHY
NAGANDLA SAI BHARGAV	Tanu Shukla	HSS F266	ORGANIZATION CULTURE AND VARIOUS DIMENSIONS OF ACADEMIA
PATODI SHUBHAM RAJENDRA	Umesh Dhyani	HSS F266	USE OF INFORMATION TECHNOLOGY AND COMMUNICATION FOR AWARENESS OF GOVERNMENT SCHEME AND POLICY
KONDAMUDI VENKATA NAGA MANOHAR	Pushp Lata	GS F266	ANALYZING AND DEVELOPING CONTENT-PRESENTATION STYLES FOR WEBSITES
VARUN JAIN	Devendra Kumar	MATH F266	FINITE DIFFERENCE METHODS FOR DIFFERENTIAL EQUATIONS
SANCHIT SAMNANI	Rakhee	MATH F266	OPTIMIZATION OF SYSTEMS RELIABILITY
PUNEET BHADRECHA	Rajdeep Chowdhury	BIO F266	CANCER BIOLOGY
BHANU PRIYA S	AK Das	BIO F266	STUDY OF IMMUNOLOGICAL RESPONSES IN MALARIA AND HIV INFECTED INDIVIDUALS
ISHWARPREET SINGH BOPARAI	Bibhas Ranjan Sarkar	CHEM F266	CATALYTIC CONVERSION OF BIOMASS TO BIOFUELS WITH MAIN FOCUS ON LIGNIN FRACTION OF BIOMASS.
DARSHAN S BATHIJA	Bibhas Ranjan Sarkar	CHEM F266	A STUDY ON THE HYDROGEN PROTON EXCHANGE MEMBRANE FUEL CELL AND ITS APPLICATIONS AS AN ALTERNATE ENERGY SOURCE FOR EXISTING DEVICES.
DARSHAN S BATHIJA	Shamsher B Singh	CE F266	BLAST RESISTANCE OF FRP RETROFITTED UN-REINFORCED MASONRY WALLS. A STUDY AND DESIGN PROJECT.
ANANT MEHROTRA	Anupam Singhal	CE F266	TO STUDY THE FLOW OF WATER THROUGH PIPELINES IN A 10-STOREYED BUILDING
PRASUN KUMAR	B.D.Pant	EEE F266	PRESSURE SENSORS USING MEMS FOR AEROSPACE APPLICATIONS(DESIGN AND

STUDY PROJECTS			
NAME	FACULTY	COURSE CODE	PROJECT TITLE
AKSHIT JOHRI	B.D.Pant	EEE F266	DEVELOPMENT) MEMS BASED CHEMICAL SENSORS
JALAJ CHHABRA	Bibhas Ranjan Sarkar	CHEM F266	TO DO AN INDEPTH STUDY PROJECT OF PROCESSES INVOLVED IN DERIVATIZATION OF FATTY ACIDS TO FAMES, AN IMPORTANT COMPONENT OF ANY BIODIESEL.
ASHISH KUMAR YADAV	Surojit Pande	CHEM F266	LEAD FREE NANO-SOLDER
SIDDHARTH DIXIT	Bibhas Ranjan Sarkar	CHEM F266	PROPERTIES AND APPLICATIONS OF SUPERCRITICAL CARBON DIOXIDE
TANVEER SINGH VIRDI	Bibhas Ranjan Sarkar	CHEM F266	EFFECT OF ULTRASOUND ON LIGNOCELLULOSIC BIOMASS AS A PRETREATMENT FOR BIOREFINERY AND BIOFUEL APPLICATIONS
SAKSHI MARKHEDKAR	Nitin Chaturvedi	INSTR F266	COMPARATIVE STUDY OF VARIOUS SEMICONDUCTOR MEMORY CELLS.
SAHARSH NAGPAL	Shamik Chakraborty	CHEM F266	TO STUDY ABOUT APPLICATIONS OF 2-D MATERIALS (GRAPHENE)AND ANALYZING THEIR LIMITATIONS AND ADVANTAGES.
MAHAK DHAMEJA	S C Sivasubramanian	CHEM F266	COSMOCHEMISTRY
ROHIT ANAND	Srinivas Kota	MF F266	QUALITY DETERMINATION IN CONCEPTUAL STAGE
SAHIL DUMIR	NV Muralidhar Rao	ECON F266	USING THE MARKOV REGIME SWITCHING MODEL TO FORECAST FOREIGN EXCHANGE RATES WITH RESPECT TO THE RUPEE.
VINEET CHAUDHARY	NV Muralidhar Rao	ECON F266	LONG TERM RELATIONSHIP BETWEEN HUMAN DEVELOPMENT AND SOCIAL INFRASTRUCTURE ACROSS INDIAN STATES.
APOORV BHARGAVA	Rajan Pandey	ECON F266	ESTIMATION AND FORECASTING OF VOLATILITY OF NIFTY RETURNS
SAHIL KHATKAR	Navneet Gupta	EEE F266	STUDY OF IMPEDANCE MATCHING TECHNIQUES OF MICROSTRIP PATCH ANTENNAS.
SHUBHI AGARWAL	Omvir Chaudhry	ECON F266	TAX POLICY IMPLICATIONS ON INVESTMENT BEHAVIOR IN INDIA
NIKITA CHOUDHARY	A Anand Kumar	EEE F266	SLIDING MODE CONTROL OF AN INVERTER
DEEPAK MADAN	Akbar	EEE F266	APPLICATION OF CONTROL SYSTEMS FOR BIOLOGICAL PURPOSE
POTHIREDDY PRANATHI	Vinita Tiwari	EEE F266	VARIOUS TYPES OF FADING IN WIRELESS COMMUNICATION NETWORKS.
SAHIL PUNCHHI	Omvir Chaudhry	ECON F266	CREDIT RATINGS AND SYSTEMATIC RISK : A QUANTITATIVE ANALYSIS IN THE INDIAN MARKET
UTSAV MISRA	N Mehala	CS F266	VECTOR DECOMPOSITION OF DATA BY DEVELOPING MATHEMATICAL MODELS AND ALGORITHMS.
SAKSHI BANSAL	NV Muralidhar Rao	ECON F266	ANALYSING RELATIONSHIP BETWEEN INFRASTRUCTURE EXPENDITURE, ECONOMIC GROWTH AND EMPLOYMENT RATE
SHIVA MANNE	NV Muralidhar Rao	ECON F266	LONG TERM RELATIONSHIP BETWEEN HUMAN DEVELOPMENT AND SOCIAL INFRASTRUCTURE ACROSS INDIAN STATES
TOSHI GUPTA	NV Muralidhar Rao	EEE F266	ECONOMICS OF SOFTWARE PIRACY
SANKALP BHATIA	NV Muralidhar Rao	ECON F266	ECONOMICS OF SOFTWARE PIRACY
GAURAV DADHICH	Omvir Chaudhry	ECON F266	FII AND STOCK MARKET VOLATILITY
ANISHA VERMA	Chandra Shekhar	MATH F266	STUDY OF MACHINE REPAIR PROBLEM VIA QUEUING THEORY.
KARTIK GOYAL	Sangita Yadav	MATH F266	FINITE ELEMENT METHODS FOR ELLIPTIC PROBLEMS
TIRODKAR SUYASH ANANT	Pramod Kumar	EEE F266	STUDY OF XILINX-ZYNQ DEVICES

STUDY PROJECTS			
NAME	FACULTY	COURSE CODE	PROJECT TITLE
RISHABH KEDIYAL	Sangita Yadav	MATH F266	FINITE ELEMENT METHOD FOR ELLIPTIC PROBLEMS
RISHABH SHUKLA	Chandra Shekhar	MATH F266	QUEUING ANALYSIS OF MACHINE INTERFERENCE PROBLEM
R S PRAKRUTH	Srinivas Reddy K	EEE F266	STUDY ON RESIDUE NUMBER SYSTEM
NISHANT SHARMA	Sai Jagan Mohan	ME F266	MECHANICS OF BIRD FLIGHT
SANCHIT MITTAL	Shvetank Bhatt	PHA F266	RECENT ADVANCES IN DEPRESSION (NEWER TARGETS AND DRUGS)
AKSHAY AURORA	Amit Kumar Verma	MATH F266	STUDY OF ALGORITHMS RELATED TO CRYPTOGRAPHY
ABYODAYA AGRAWAL	Ravi Saini	CS F266	FACE DETECTION ALGORITHMS
S SRIVIGNESH	P Srinivasan	MF F266	CRACK PROPAGATION USING EPFM APPROACH OF BENT PIPES.
NIBIR PATHAK	Anil Kumar	ME F266	STUDY AND SIMULATION OF CARBON NANO-TUBE BASED NANO MOTOR AND ITS ACTUATION PRINCIPLES
NIYATI TIWARI	Niranjan Swain	FIN F266	COMPETITIVE ANALYSIS OF THE INDIAN HEALTHCARE SECTOR.
JOHN RAJAN MAVELY	Sandhya Marathe	BIO F266	CORRELATION BETWEEN HABITAT CHANGE (DESTRUCTION, FRAGMENTATION AND DISTURBANCE) AND NATIVE-NON-NATIVE SPECIES DYNAMICS
SURAJ DOSHI	Sandhya Marathe	BIO F266	UNDERSTANDING DYNAMICS OF PATHOGENIC INFECTION USING META-POPULATION THEORY.
ANSHU GUPTA	Suresh Gupta	CHE F266	TYPES OF BIOREMEDIATION AND THEIR COST EFFECTIVENESS USING CASE STUDIES.
RISHIKA SURYA	Sandhya Mehrotra	BIO F266	ANALYZING THE STRUCTURAL AND FUNCTIONAL DIVERSITY IN TRANSPORTER PROTEINS OF PROKARYOTES
SAHIL AGGARWAL	Rajdeep Chowdhury	BIO F266	ROLE OF LONG NON-CODING RNAS IN CANCER PROGRESSION AND IMMUNO-SUPPRESSION
AAYUSH AGGARWAL	AK Sarkar	CE F266	OPTIMIZING THE SERVICE TIME AT THE TOLL PLAZA
ESHITA VYAS	Sandhya Mehrotra	BIO F266	ANALYZING THE STRUCTURAL DIVERSITY IN TRANSPORTER PROTEINS OF PROKARYOTES
NANDURI PRABHAKAR NARASIMHA	Shibasish Chowdhury	BIO F266	DEVELOPMENT OF GENETIC ALGORITHMS AND ITS IMPLEMENTATION TO PREDICT THE STRUCTURES OF VARIOUS IMPORTANT BIO MOLECULES. APPLICATION OF GENETIC ALGORITHMS IN DEVELOPMENT OF MODULAR ROBOTICS.
SARANYA DAS	Shibasish Chowdhury	BIO F266	PATTERN RECOGNITION
ASHUTOSH VISHWAKARMA	Akbar	EEE F266	APPLICATION OF CONTROL SYSTEMS FOR BIOLOGICAL PURPOSE
ASEEM SAXENA	Ashish Runthala	BIO F266	COMBINING SEVERAL PROTEIN MODELS INTO A SINGLE HYBRID MODEL
SIDDHARTH SABHARWAL	Amit Kumar Verma	MATH F266	ANALYSIS ON EUCLIDEAN SPACES
SHARQUA ABDULLAH	Rajan Pandey	ECON F266	ASSET PRICE FLUCTUATIONS: OBSERVATIONS FROM TREASURY BILLS (INDIAN MARKET).
PRAGYA BANKA	Tanu Shukla	GS F266	ASPECTS RELATING GENDER ISSUES IN HIGHER EDUCATION INSTITUTES
MALANI ROHIT MAHESH	T Chakraborty	GS F266	AN ANALYSIS OF IMPACT OF CULTURAL INDUSTRIES ON URBAN ECONOMICS
NIKHIL KUMAR JHA	Udayan Chanda	FIN F266	CREDIT SCORING
NEHA GUPTA	Jyoti	FIN F266	THE IMPACT OF INFORMATION TECHNOLOGY ON HR MANAGEMENT: OPPORTUNITIES AND CHALLENGES
DIVYA MEHTA	Jyoti	FIN F266	HUMAN RESOURCE MANAGEMENT IN 21ST CENTURY
SUMIT SAINI	Rajneesh Choubisa	HSS F266	DEVELOPING A WEB.BASED INTERVENTION

STUDY PROJECTS			
NAME	FACULTY	COURSE CODE	PROJECT TITLE
			MODULE
SANTOSH SHARMA	Anil Rai	GS F266	THE ORIGIN AND THE DEVELOPMENT OF THE FOLK MUSICAL INSTRUMENTS OF RAJASTHAN.
PAMITA BHOMIA	Tanu Shukla	HSS F266	DEVELOPING OF WEBSITE FOR SALES DEPARTMENT
JYOTI SHARMA	Anil Rai	GS F266	THE ORIGIN AND THE DEVELOPMENT OF THE FOLK MUSICAL INSTRUMENT OF RAJASTHAN
SEEMA SAINI	Tanu Shukla	HSS F266	DEVELOPING OF WEBSITE FOR SALES DEPARTMENT
PRASHANT BIKA	Sushila Shekhawat	HSS F266	TO STUDY THE STRUCTURAL ASPECT OF FILMMAKING IN THE FILM OF ALFRED HITCHCOCK MARTIN SCORCESSE AND INGMAR BERGMAN
RENU CHOUHAN	Jyoti	FIN F266	HUMAN RESOURCE MANAGEMENT IN 21ST CENTURY
DAKSH DUTTA	Pankaj Kumar Sharma	BIO F266	EVOLUTION OF GOD: A SCIENTIFIC PERSPECTIVE
ROHIT GOEL	Tapomoy G Sarkar	PHY F266	ROTATING CHARGED BLACKHOLES
ANIRUDDHA GHOSH	Trilok Mathur	MATH F266	STUDY OF UNIVALENT FUNCTION THEORY
AKATH SINGH DUA	Rajiv Kumar	MATH F266	STUDY PROJECT ON DEGREE DIAMETER PROBLEMS IN GRAPH THEORY
PINKY MOOLANI	Shamik Chakraborty	CHEM F266	STUDY OF BINDING IN OLFACTORY RECEPTORS.
ADITI BANSAL	Paritosh Shukla	CHEM F266	LITERATURE SURVEY OF RYRAZOLOPYRAN AND OTHER CORES AS POTENTIAL CHK-1 KINASE INHIBITORS
MIHIR SHARMA	Tapomoy G Sarkar	PHY F266	SCHWARZSCHILD BLACKHOLES AND PLANETARY MOTION
SHABDA	Rajan Pandey	FIN F266	ASSET PRICE FLUCTUATIONS: OBSERVATIONS FROM INDIAN STOCK EXCHANGE
AMITAYUSH THAKUR	Rajiv Kumar	MATH F266	HAMILTONIAN GRAPHS AND CYCLES
SAURABH SATNALIKA	Dhiraj	CS F266	MOTION DETECTION OF OBJECTS IN INFRARED
RISHABH SINGH	Rajiv Kumar	MATH F266	STUDY ORIENTED PROJECT FOR DISTANCES IN GRAPHS AND DEGREE DIAMETER PROBLEM
JAIWANT RAWAT	Rajiv Kumar	MATH F266	SHORTEST PATH IN GRAPHS AND ITS APPLICATIONS
ABHISHEK R ATHREYA	Hari Om Bansal	EEE F266	ENERGY MANAGEMENT IN A HYBRID ELECTRIC VEHICLE
LOKESH JAIN	Rajiv Kumar	MATH F266	HAMILTONIAN GRAPHS AND CYCLES
DESAI MASOOM KARTIK	Bhagavatula Vani	BIO F266	GREEN PRODUCTS AND TECHNOLOGY.
SONALI GUPTA	Rajdeep Chowdhury	BIO F266	DEVELOPMENT OF AN APPROPRIATE MODEL SYSTEM FOR RAPID DETECTION OF CANCER CELLS
VATSAL PANWAR	Kaushar Vaidya	PHY F266	A STUDY OF PROPERTIES OF H II REGIONS
SHRUTI RIJHWANI	Harikrishnan G Nair	HSS F266	A STUDY ON THE ORIGIN AND MEANING OF THE TERM "POSTMODERN"
ISHAN BANSAL	Kiran DC	CS F266	EXPLORING LOOP OPTIMIZATION TECHNIQUES FOR MULTICORE PROCESSORS
PRASHAST BINDAL	Mayuri Digalwar	CS F266	STUDY AND IMPLEMENTATION OF REAL TIME MULTIPROCESSOR SCHEDULING ALGORITHMS
SATISHWAR SINGH DHILLON	J N Bandopadhyay	CS F266	QUANTUM CRYPTOGRAPHY: A NEW GENERATION OF INFORMATION TECHNOLOGY SECURITY SYSTEM
SHUBHAM AGARWAL	Navneet Goyal	CS F266	HIGH PERFORMANCE COMPUTING IN DATA MINING/MACHINE LEARNING
RUPPESH NALWAYA	Shan Balasubramaniam	CS F266	ALGORITHMS FOR EXTRACTION OF MACRO LEVEL COMPONENTS FROM DIGITIZED MURALS
KARANBIR SINGH	Rakhee	MATH F266	DELAY ANALYSIS OF FRACTAL TRAFFIC PASSING THROUGH NETWORK SERVERS.

STUDY PROJECTS			
NAME	FACULTY	COURSE CODE	PROJECT TITLE
KARANBIR SINGH	J N Bandopadhyay	CS F266	QUANTUM CRYPTOGRAPHY : NEW PARADIGM FOR SECURING INFORMATION.
RISHI KUMAR	Satyendra Kr Sharma	FIN F266	A STUDY ON FINANCING OF NEW PROJECTS.
AANCHAL SRIVASTAVA	Navneet Gupta	INSTR F266	STUDY OF ELECTRICAL INSTABILITY ISSUES IN NANOCRYSTALLINE SI TFT.
IYENGAR VIDYA MADHAVAN	Srikanta Routroy	MF F266	STUDY OF LE-AGILE SUPPLY CHAIN
TUSHAR GUPTA	Rajesh P Mishra	MF F266	NEW APPROACH TOWARDS INTEGRATED CELL FORMATION AND INVENTORY LOT SIZING IN AN UNRELIABLE CELLULAR MANUFACTURING SYSTEM
SAKET KUMAR	Jayashree Mahesh	GS F266	ENVIRONMENTAL MANAGEMENT ACROSS CULTURES.
SAKET KUMAR	Smita Raghuvanshi	CHE F266	DEVELOPMENT OF NEW METHODOLOGIES FOR IMPACT ASSESSMENT.
MANIK BANSAL	Utkarsh Maheshwari	CHE F266	RESIDUE UPGRADATION TO MAKE IT A MORE USEFUL PRODUCTS
SHRUTI KHANDELWAL	Smita Raghuvanshi	CHE F266	DEVELOPMENT OF NEW METHODOLOGIES FOR ENERGY IMPACT ASSESSMENT
SOUREESH GHOSH	Sanjiv Kr Choudhary	GS F266	LANGUAGE DEATH: CAUSES, EFFECTS, CASE-STUDIES AND SOLUTIONS
TULIKA PODDAR	NV Muralidhar Rao	FIN F266	ANALYSING RELATIONSHIP BETWEEN INFRASTRUCTURE EXPENDITURE, ECONOMIC GROWTH AND EMPLOYMENT RATE
SHUBHAM MEHTA	Sanjiv Kr Choudhary	GS F266	LANGUAGE DEATH- CAUSES AND IMPACT ON EHTNIC GROUPS
CHETAN ADITYA	Rajesh Mehrotra	BIO F266	STUDY OF THE MECHANISM OF DNA REPAIR AND ITS EVOLUTION.
ANIL KUMAR SINGH	Devendra Kumar	MATH F266	FINITE DIFFERENCE METHOD FOR PARTIAL DIFFERENTIAL EQUATIONS
TANAY SHANKAR	Smita Raghuvanshi	CHE F266	COMPETITIVE ADVANTAGE IN THE SUPPLY CHAIN OF FMCG COMPANIES BY UTILIZING CHEMICAL PROCESS TECHNOLOGY
MANI MRUDULA K	R Gupta	CE F266	EFFICIENT ADMINISTRATIVE USING GIS
HIMANISH GANJOO	Kumar S Bhattachrya	HSS F266	A STUDY OF LAL DEDS POETRY AND ITS IMPACT ON KASHMIRI CULTURE
ANUPAM SONI	Akbar	EEE F266	SELF-TUNED PID CONTROLLER FOR AUTONOMOUS VEHICLE CONTROL
GAURAV KAUSHIK	Shashikant Sadistap	EEE F266	STUDY OF QUAD-COPTERS AND ITS APPLICATION IN AGRICULTURE
ARUNABH BIYANI	P Srinivasan	ME F266	ENHANCING HEAT TRANSFER USING SUPERHYDROPHOBIC SURFACES
PRITHVIJIT MUKHERJEE	Anil Kumar	ME F266	STUDY AND SIMULATION OF CARBON NANOTUBE BASED NANOMOTOR AND ITS ACTUATION PRINCIPLES
RACHIT BHARGAVA	Srikanta Routroy	ME F266	STUDY OF VARIOUS ASPECTS OF LEAN SUPPLY CHAIN
BHARVESH ROHIT RAJESH	Srikanta Routroy	ME F266	STUDY OF VARIOUS ASPECTS OF LE-AGILE SUPPLIER DEVELOPMENT.
TANMAY JAISWAL	Rajesh P Mishra	ME F266	DIRECTED CONTROL CHARTS FOR DETECTING THE SHAPE CHANGES FROM LINEAR PROFILE TO QUADRATIC PROFILES.
KHISTY AMEYA VINAYAK	Srikanta Routroy	ME F266	STUDY OF CHARACTERISTIC OF AGILE SUPPLY CHAIN.
SHAURYA KAUSHAL	Amol M R Marathe	ME F266	MODELS IN ECOLOGY

DESIGN PROJECTS		
NAME	FACULTY	PROJECT TITLE
MEHTA PARAS YOGESHKUMAR	Tufan Chandra Bera	MODELLING OF THERMAL ASPECT OF MACHINING USING APDL IN ANSYS
CHINTHAKAYALA	Amol Holkundkar	COMPUTATIONAL STUDY OF CHARGE TRANSFER

DESIGN PROJECTS

NAME	FACULTY	PROJECT TITLE
BHARAT KUMAR		THROUGH DNA
NEENA TERESA J	K Hari Babu	LINUX KERNEL MODULE DEVELOPMENT
LAHOTI PRITESH	Kiran DC	INTEGRATING OPTIMIZATION PASS IN LLVM
ANANDRAM		COMPILER
AMIT CHOTIA	Navin Singh	DYNAMICS OF STRETCHING OF DNA MOLECULE
JATAVALLABHULA	J L Raheja	3D SEGMENTATION
KRISHNA MURTHY		
DHRUV SURI	Avinash Gautam	SEARCH AND CLASSIFY OBJECTS IN ENVIRONMENT
AKHIL TRIPATHI	Yashvardhan Sharma	USING MULTIPLE FLYING ROBOTS.
SHIKHAR VASHISHTH	K Hari Babu	DEVELOPMENT OF OPINION MINING FRAMEWORK.
ANUSREE SARKAR	J N Bandopadhyay	ENHANCING ZOTERO, RESEARCH MANAGEMENT
TEJAS BHALLA	Uma S Dubey	TOOL WITH P2P CAPABILITIES
ABHINANDAN SAIN	Prashant U Manohar	OPTIMAL DESIGN FOR THE AVIAN MAGNETIC
RAO ANKIT	Arya Kumar	COMPASS
SHIVAPRASAD		STRUCTURAL COMPARISON OF THE PROTEIN
NEELESH SAMBHAJICHE	Abhijit R Asati	ALPHA-LACTALBUMIN IN MAMMALS.
SAHIL PUNCHHI	Arun Kumar Jalan	TO DEVELOP COMPUTER CODES FOR CORRELATED
MOHD. ZIA ARIF	J L Raheja	WAVE FUNCTIONS USING ROHF REFERENCE
ANISHA VERMA	Suresh Gupta	EMPIRICAL STUDY OF THE CAPITAL ASSET PRICING
ARPIT BHUTANI	Pratik N Sheth	MODEL - STUDYING STOCKS ON THE BOMBAY
SHASHANK M	Shivi Agarwal	STOCK EXCHANGE
TIRODKAR SUYASH	Shivi Agarwal	IMPLEMENTATION OF C ALGORITHMS USING GRAPH
ANANT		THEORY
ABHISHEK MODI	J L Raheja	MECHANICAL ASSISTIVE PROSTHETIC DEVICE FOR
UTSAV TIWARY	J L Raheja	LEG AND HAND AMPUTEES
SAI VARUN ADDANKI	Anil Kumar Saini	3-D SEGMENTATION
ANKUR SHUKLA	Pramod Kumar	OPTIMIZATION OF PARAMETERS FOR HEAT
SIDDHANSH AGARWAL	NN Sharma	EXCHANGER NETWORK SYNTHESIS.
ASHWINI POKLE	Navneet Goyal	MODELING AND SIMULATION OF BIOMASS GASIFIER
MAYUR SAXENA	Vandana Agarwal	USING ASPEN PLUS
MUKUL BHUTANI	Navneet Goyal	DESIGN AN ANDROID APPLICATION TO OPTIMIZE
ABHINAV BHATIA	Navneet Goyal	DIET AND PHYSICAL ACTIVITIES.
SHRUTI GUPTA	Navneet Goyal	DESIGN AN ANDROID APPLICATION TO OPTIMIZE
PRATEEK JAIN	Uma S Dubey	DIET AND PHYSICAL ACTIVITIES
ARYA ROY	J L Raheja	3-D SEGMENTATION
PATIL KSHITIJ MAHESH	MS Dasgupta	3-D SEGMENTATION
TANDON DHRUV SANJAY	MS Dasgupta	DATA MODELLING IN PATIENT MONITORING SYSTEM
ABHISHEK BANERJEE	Ravi Inder Singh	APPLICATION OF ZIGBEE NETWORKS FOR AUDIO
		TRANSMISSION AND ITS IMPLEMENTATION ON
		FPGA.
		DIELECTROPHORETIC CELL SEPARATION
		PARALLELISING DATA MINING ALGORITHMS
		FACE RECOGNITION USING EVOLUTIONARY
		TECHNIQUES
		CONCURRENT R-TREE CONSTRUCTION
		FACE RECOGNITION WITH AGEING
		PARALLELIZATION OF DATA MINING ALGORITHMS
		STRUCTURAL COMPARISON OF THE PROTEIN
		ALPHALACTALBUMIN IN MAMMALS.
		USING IMAGE PROCESSING TECHNIQUE FOR HEAD
		DETECTION
		IMPROVEMENT & FABRICATION OF ROPE CLIMBING
		BOT
		IMPROVEMENT & FABRICATION OF ROPE CLIMBING
		BOT
		SIMULATING COMBUSTION IN AN HCCI ENGINE
		USING COMBUSTION MODULE IN FLUENT, THROUGH
		THE USE OF PROBABILITY DISTRIBUTION FUNCTION
		MODEL AND LESMODEL, USING ETHANOL E-85 AS

DESIGN PROJECTS

NAME	FACULTY	PROJECT TITLE
		FUEL
ANMOL SHER SINGH BEDI	K.Solomon Raju	IMPLEMENTATION OF MAC ALGORITHMS IN WSN USING WIRELESS SENSOR NETWORK SIMULATION TOOLS.
JOBANPREET SINGH NARANG	K.Solomon Raju	IMPLEMENTATION OF MAC ALGORITHMS IN WIRELESS SENSOR NETWORKS(WSN) SIMULATION.
DHANUKA MRIDUL DEEPAK	Lucky Sharan	SIMULATIVE ASSESSMENT OF MOBILE ADHOC NETWORKS
JASWANT NAG GANGIREDDY	Srinivas Kota	DETAILED STUDY OF BY-PRODUCTS FROM COMPANIES OF MULTIPLE DOMAINS TO UTILIZE THEM WITHOUT CAUSING ANY HARM TO THE ENVIRONMENT(REDUCING ENVIRONMENTAL IMPACT)
KUNAL	Srinivas Kota	DEVELOPMENT OF A GENERIC METHOD TO IDENTIFY MARKET OPPORTUNITY FOR AN IDEA IN CONCEPTUAL DESIGN
KAMATH GAURAV NARESH	Abhijit K Digalwar	STUDY OF DIFFERENT DRIVERS AND BARRIERS FOR GREEN SUPPLY CHAIN MANAGEMENT
AISHIK DHAR	Anil Kumar Saini	DATA MODELLING IN PATIENT MONITORING SYSTEM.
MANAN MEHROTRA	MS Dasgupta	AUTOMATED CONTROL MECHANISM FOR DUAL CLUTCH TRANSMISSION GEARBOX
AGRAWAL KHANDESH MOHANBHAI	Sonal Mazumder	REACTOR DESIGN FOR HIGH SCALE PRODUCTION OF NANOPARTICLES FOR DRUG DELIEVERY
AMITABH AGGARWAL	Anshuman	ANALYSIS OF BUILDING USING STAAD PRO.
AKANKSHA AGARWAL	Shamsher B Singh	COMPUTATION AND ANALYSIS OF POST-BUCKLING STRENGTH OF COMPOSITE PLATE.
NUKALA HEMA VENKATA SUMANTH	G Muthukumar	DESIGN ASPECTS OF RC BUILDINGS
KAMILA ROHIT VARMA	G Muthukumar	DESIGN ASPECTS OF RC BUILDINGS
HARSHIT GUPTA	Yashvardhan Sharma	STUDY OF VARIOUS FEATURE EXTRACTION METHODS FOR OPINION MINING
NEHA GUPTA	Tanu Shukla	PERCEPTION AND ANALYSIS OF THE USAGE OF COMPUTER MEDIATED COMMUNICATION IN BITS, PILANI.
DIVYA MEHTA	Tanu Shukla	PERCEPTION AND ANALYSIS OF OF USAGE OF COMPUTER MEDIATED COMMUNICATION IN BITS PILANI
DEVESH VERMA	Devika	DESIGNING A MODULE TO IMPROVE SPEAKING AND LISTENING SKILLS OF RURAL STUDENTS
PRASHANT BIKA	Rajneesh Choubisa	DEVELOPING A WEB.BASED INTERVENTION MODULE
LOKENDER	Devika	DESIGNING A MODULE TO IMPROVE SPEAKING AND LISTENING SKILLS OF RURAL STUDENTS
RENU CHOUHAN	Tanu Shukla	PERCEPTION AND ANALYSIS OF THE USAGE OF COMPUTER MEDIATED COMMUNICATION IN BITS PILANI
KAUSHIK RENGANAATH K	Rajesh Mehrotra	PROMOTER EVOLUTION - DESIGN OF BASIC EVOLUTIONARY PRINCIPLES AND TRANSCRIPTIONAL NETWORKS
EKANSH MITTAL	Sunita Singhal	SIMULATED ANNEALING FOR GRID SCHEDULING ALGORITHMS
AYUSH JAIN	Shan Balasubramaniam	DEVELOPMENT OF PEER TO PEER INFRASTRUCTURE FOR SOCIAL NETWORKS
PREM MUKESH PAREKH	K Hari Babu	PERFORMANCE ANALYSIS OF SDN NETWORKS OVER TRADITIONAL NETWORKS
PRASHAST BINDAL	Virendra S Shekhawat	DESIGN AND IMPLEMENTATION OF COOPERATIVE CACHES IN WIRELESS P2P NETWORKS
KARANDEEP JOHAR	Shan Balasubramaniam	DOMAIN-SPECIFIC AUTOMATED EVALUATION: MATCHING AND EVALUATION OF GRAMMARS AND AUTOMATA (PDA AND TURNING MACHINES).
RISHAB KALRA	K Hari Babu	PERFORMANCE ANALYSIS OF SDN NETWORKS OVER TRADITIONAL NETWORKS
KOTHUR SACHITH SRI	Asma Rani	ZERO LOSS INFORMATION DATABASES

DESIGN PROJECTS

NAME	FACULTY	PROJECT TITLE
RAM		
ABHISHEK VEERARAGHAVAN	Virendra S Shekhawat	DESIGN AND IMPLEMENTATION OF COOPERATIVE CACHES IN WIRELESS P2P NETWORKS
NIKITA BHALLA	J N Bandopadhyay	OPTIMAL DESIGN FOR THE AVIAN MAGNETIC COMPASS
SHIULI DAS	SK Hafizul Islam	STUDY AND DESIGN OF VISUAL CRYPTOGRAPHY TECHNIQUES.
ESHAN BHATIA	Shashikant Sadistap	EMBEDDED SYSTEM DESIGN FOR COAL DEGASSIFIERS.
JAIN CHIRAG KAMLESH	S Gurunarayanan	CACHE MEMORY DESIGN FOR MULTICORE ARCHITECTURES
B VIGNESH	Shashikant Sadistap	EMBEDDED SYSTEM DESIGN FOR COAL DEGASSIFIERS
ANKIT BANSAL	Ravi Inder Singh	RUNTIME CONVERSION OF 4-STROKE IC ENGINE TO 2-STROKE AND VICE VERSA
DEVASHISH NEMA	Tufan Chandra Bera	DETERMINATION OF CUTTING FORCE COEFFICIENTS IN MACHINING PROCESS
B SRUNGEER SIMHA	Sonal Mazumder	REACTOR DESIGN FOR HIGH SCALE PRODUCTION OF NANOPARTICLES FOR DRUG DELIVERY
TUSHAR RATHI	Suresh Gupta	OPTIMIZATION OF PARAMETERS FOR HEAT EXCHANGER NETWORK SYNTHESIS
MD ASIF AHSAN	Pratik N Sheth	MODELING AND SIMULATION OF AQUEOUS PHASE REFORMING OF BIO-MASS.
ARJUN VIKAS	Utkarsh Maheshwari	OPTIMISATION OF PARAMETERS IN A PETROLEUM REFINERY TO MAXIMISE PROFIT BY SIMULATION IN ASPEN PLUS
PRATEEK SAI GAHLOT	Arvind Kumar Sharma	L-S FLUIDIZED BED: A SYSTEMATIC ANALYSIS
ANIL KUMAR SINGH	Pratik N Sheth	MODELING AND SIMULATION OF BIOMASS GASIFICATION PROCESS USING ASPEN PLUS.
PENUMARTHI KIRAN	G Muthukumar	NON-LINEAR ANALYSIS OF SHEAR WALLS
SHASANKA MISHRA	Manoj Kumar	EFFECT OF TRANSVERSE PRESTRESSING ON SHEAR LAG IN BOX GIRDER BRIDGES
DEVYANI CHOUDHARY	R Gupta	EFFECTIVE ADMINISTRATION USING GIS
SIDDHARTH AWASTHI	Manoj Kumar	EFFECT ON SHEAR LAG DUE TO TRANSVERSE PRESTRESSING OF BOX GIRDER BRIDGES
NIPUN GUPTA	Pramod Kumar	AUDIO COMPRESSION USING ZIGBEE AND IMPLEMENTATION USING FPGA.
S BALASUBRAMANIAM	Nitin Chaturvedi	DESIGN OF NOVEL CACHE ARCHITECTURES FOR CHIP MULTIPROCESSORS
MAYANK GARG	Rahul Singhal	NATURAL SPEECH SYNTHESIS
KAUSTUBH SHEKHAR TANMANE	Sanjay Singh	VLSI ARCHITECTURE AND EMBEDDED SYSTEMS DESIGN FOR HAND GESTURE RECOGNITION
YUVRAJ SAHNI	Pramod Kumar	AUDIO COMPRESSION USING ZIGBEE AND ITS IMPLEMENTATION USING FPGA
HARSHIT BANSAL	Sunita Singhal	MULTIPURPOSE GRID SCHEDULING ALGORITHM
SINGH SONALI MITHILESHKUMAR	S Gurunarayanan	VLSI DESIGN OF DIGITAL SYSTEM
SRINIVAS GOPAL B V	Nitin Chaturvedi	DESIGN OF NOVEL CACHE ARCHITECTURE FOR CHIP MULTIPROCESSORS
ANUPAM SONI	Vinita Tiwari	STUDY AND MODELLING OF PHYSICAL LAYER OF LTE NETWORKS
NAMAN MAHESHWARI	S Gurunarayanan	IMPLEMENTATION OF CONVOLUTIONAL ENCODER AND VITERBI DECODER USING VERILOG AND HARDWARE IMPLEMENTATION USING XILINX TOOLBOX.
ABHINAV MISHRA	Navneet Gupta	MATERIAL SELECTION FOR HYBRID MICROWAVE INTEGRATED CIRCUITS USING ASHBY'S APPROACH
BINNANI SUMIT GOVINDLAL	Vinita Tiwari	ALGORITHM IMPLEMENTATION FOR FINGERPRINT IDENTIFICATION SYSTEM
RITESH JAISWAL	Navneet Gupta	DESIGN OF IMPEDANCE MATCHING TECHNIQUES OF MICROCHIP PATCH ANTENNAS
SUYASH SHRIVASTAVA	B.D.Pant	DEVELOPMENT OF ELECTRONIC CIRCUITS FOR MEMS SENSORS

DESIGN PROJECTS

NAME	FACULTY	PROJECT TITLE
S ARUN	Nitin Chaturvedi	DESIGN OF NOVEL ON CHIP CACHE ARCHITECTURES FOR MULTI CORE PROCESSORS
SHREYASH PRATAP SINGH	Nitin Chaturvedi	DESIGN OF NOVEL CACHE ARCHITECTURES FOR CHIP MULTIPROCESSORS.
PATEL DHRUV BHARATBHAI	P Srinivasan	MODELING AND SIMULATION OF SINGLE CRYSTAL STRUCTURE IN NICKEL-COBALT BASED ALLOYS USING AUTONOMOUS DIRECTIONAL CASTING(ADS) PROCESS.
PATEL DHRUV BHARATBHAI	B.D.Pant	DESIGNING A LAB ON A CHIP(LOC) DEVICE FOR DETERMINING MILK ADULTERATION.
CANDADAI AADITYA ANAND	Amol M R Marathe	REDUCED ORDER MODELLING OF VORTEX INDUCED VIBRATIONS AND RELATED CFD SIMULATIONS
JAYANT VIKRAM SINGH	B.D.Pant	DESIGNING A LAB ON A CHIP(LOC) DEVICE FOR DETERMINING MILK ADULTERATION.
MAYANK GROVER	Tufan Chandra Bera	PROCESS PLAN FOR MANUFACTURING A WORK HOLDING DEVICE
RACHIT BHARGAVA	Amol M R Marathe	NON LINEAR MESH GENERATORS IN MATLAB.
B NAVEEN	Bijoy Kumar Raut	DESIGN OF A VERSATILE LADDER CLIMBING ROBOT
MOHAMMAD ATIF	Amol M R Marathe	REDUCED ORDER MODELING OF VORTEX-INDUCED VIBRATIONS AND RELATED CFD SIMULATIONS.
ANURAG NANDI	Tufan Chandra Bera	MANUFACTURING OF WORK HOLDING DEVICE FOR KISTLER DYNAMOMETER
DEVESH GUPTA	MS Dasgupta	OPTIMISED FAIRING DESIGN OF FORMULA-1 RACING CAR
BHARVESH ROHIT RAJESH	Tufan Chandra Bera	PROCESS PLAN FOR MANUFACTURING A WORK HOLDING DEVICE
KHISTY AMEYA VINAYAK	Tufan Chandra Bera	MANUFACTURING OF WORK HOLDING DEVICE FOR KISTLER DYNAMO-METER.
RITESH BATRA	Rajesh P Mishra	DESIGN OF OPTIMUM MANUFACTURING PROCESS IN STEEL INDUSTRY
BHILARE SANKET SATISH	Tufan Chandra Bera	MODELLING OF THERMAL ASPECT OF MACHINING USING APDL IN ANSYS
JAMMALAMADAKA MANI SAI SURYATEJA	MS Dasgupta	OPTIMISED FAIRING DESIGN OF FORMULA-1 RACING CAR

NEW COURSES INTRODUCED IN THE YEAR 2014

New / Modified Courses:

S. No.	Course No.	Course Title & Description	L	P	U
1	BITS C419	Management of Cross Cultural Engineering Teams	3	0	3
2	BITS C490	Project Management			4
3	BITS F113	General Mathematics I	3	0	3
4	BITS F114	General Mathematics II	3	0	3
5	BITS F214	Science, Technology and Modernity	3	0	3
6	BITS F218	General Mathematics III	3	0	3
7	BITS F219	Process Engineering	3	0	3
8	BITS F399	Humanistic Theories of Science and Technology	3	0	3
9	BITS F429	Nanotechnology for Renewable Energy and Environment	3	1	4
10	BITS F430	Renewable Energy Laboratory	0	2	2
11	BITS F472	Photovoltaic Devices	3	0	3
12	BITS F483	Indian Wisdom for Modern Management	3	0	3
13	BITS F490	Project Management			4
14	CE F422	Urban Hydrology	2	1	3
15	CHE G552	Advanced Transport Phenomena			5
16	CHE G553	Statistical Thermodynamics			4
17	CHE G554	Computational Fluid Dynamics			4
18	CHE G555	Design of Experiments			4
19	CHE G556	Electrochemical Engineering			4
20	CHE G557	Energy Systems Engineering			4
21	CHE G558	Chemical Process Optimization			4
22	CHE G559	Reactor Physics and Engineering			5
23	CHE G560	Nuclear Fuel Cycle and Waste Management			5
24	CHE G561	Nuclear Reactor Control and Instrumentation			4
25	CHE G562	Thermal Hydraulics and Heat Transfer			4
26	CHE G563	Nuclear Chemical Engineering			4
27	CHE G564	Nuclear Materials and Radiation Damage			4
28	CHE G565	Radiation and Radio Isotopes Applications			4
29	CHE G566	Nuclear Safety, Security and Safeguards			4
30	CHE G567	Natural Gas Processing			4
31	CHE G568	Modeling and Simulation in Petroleum Refining			4
32	CHE G569	Petroleum Production Economics			4
33	CS F469	Information Retrieval	3	0	3
34	ECE F312	EM Fields and Microwave Engineering Laboratory	0	1	1
35	ECON F315	Financial Management	3	0	3
36	ECON F417	Risk Management and Insurance	3	0	3
37	EEE F245	Control System Laboratory	0	1	1
38	EEE F246	Electrical and Electronic Circuits Laboratory	0	2	2
39	EEE F347	Communication Networks Laboratory	0	2	2
40	EEE F348	FPGA Based System Design Laboratory	0	2	2
41	EEE F462	Advanced Power Systems	3	0	3

S. No.	Course No.	Course Title & Description	L	P	U
42	EEE F473	Wind Electrical Systems	3	0	3
43	EEE F474	Antenna Theory and Design	3	1	4
44	EEE F475	Special Electrical Machines	3	1	4
45	EEE F476	Switchgear and Protection	3	1	4
46	EEE F477	Modeling of Field-Effect NanoDevices	3	0	3
47	EEE F478	Power Systems Laboratory	0	2	2
48	EEE G593	Power Quality			5
49	EEE G594	Advanced VLSI Devices			5
50	EEE G595	Nanoelectronics and Nanophotonics Technology			5
51	FIN F413	Risk Management & Insurance	3	0	3
52	GS F313	Marxian Thoughts	3	0	3
53	HSS F237	Contemporary Indian English Fiction	3	0	3
54	HSS F238	Sports and Society	3	0	3
55	HSS F330	Appreciation of Art	3	0	3
56	HSS F351	Social and Political Ecology	3	0	3
57	HSS F352	Technology, Work and Society	3	0	3
58	HSS F353	Philosophy of Aesthetics	3	0	3
59	HSS F354	Introduction to Islamic Economy	3	0	3
60	INSTR F473	Wind Electrical Systems	3	0	3
61	MATH F422	Numerical Methodology for Partial Differential Equations	3	1	4
62	MBA G553	Organizational Change and Development	3	0	3
63	MBA G554	Innovative Leadership	3	0	3
64	MBA G555	International Human Resource Management	3	0	3
65	ME F482	Combustion	3	0	3
66	ME F483	Wind Energy	3	0	3
67	ME F484	Automotive Technology	3	0	3
68	ME F485	Numerical Techniques for Fluid Flow and Heat Transfer	3	0	3
69	ME G612	Plastics Engineering	3	2	5
70	MGTS F322	Marketing	3	0	3
71	PHA F215	Introduction to Molecular Biology & Immunology	3	0	3
72	PHY F112	General Physics	3	0	3

SPECIAL LECTURES DELIVERED BY INVITED SCHOLARS

1. Dr. Pavan Muttil, Asst Prof. at University of New Mexico, USA
2. Dr. Joga Rao Gobburu (US FDA Outstanding Achievement Award), School of Pharmacy, University of Maryland, Baltimore,
3. Dr. Sunil Jambhekar, Professor, Pharmaceutical Sciences, LECOM Bradenton School of Pharmacy, USA
4. Dr. Pradman K. Qasba, Volunteer Scientist, Structural Glycobiology Section, NCI, NIH, USA.

LIST OF FIRST DEGREE THESIS COMPLETED DURING THE YEAR 2014

Second Semester 2013-14

Pilani Campus:

Sr No	Name	Topic	Supervisor
1.	Divyanshi Srivastava	Intron mediated regulation of mono-allelic gene expression involved in antigenic variation in <i>Plasmodium falciparum</i>	Juan M. Vaquerizas
2.	Avantika Gupta	Identification of genes responsible for conferring growth advantage to the cells mutant for the tumor suppressor PTEN	Hugo Stocker
3.	Anirvan Komath Majumdar	3-D polymer nanocomposite scaffold for bone tissue engineering	Kaushik Chatterjee
4.	Amitvikram Dutta	Modelling and Simulation of downdraft biomass gasifier using ASPEN Plus	Pratik N Sheth
5.	Arpit Kishore	Modeling and simulation of Fischer – Tropsch Process	H K Mohanta
6.	Kavya Yarlagadda	Biochemical and Environmental applications of biopolymers	Sonal Mazumder
7.	Sartaj Singh Manhas	Generic Model Control of pH in a Continuous Stirred tank Reactor (CSTR)	H K Mohanta
8.	G Dhiraj	Simulation of the process of steam reforming of natural gas for production of hydrogen	Arvind Kr. Sharma
9.	Ashis Dash	Review & Development of Grapheme based electro catalysts for fuel cell applications	Bikash Kumar Jena
10.	Ayan	Solar refrigeration (Absorption)	Sameer Mithel
11.	Abhitej Kodali	Aqueous phase reaction for the production of hydrogen using biomass	Banasri Roy
12.	Bhargava Nemmaru	Dynamic modeling of hydrogen production system	Raghunathan Rengaswamy
13.	Bhawarth Sangwan	Characterization, evaluation and visualization of the life cycle of different cutting fluids	Stefan Andrew
14.	Nikita Sengar	Making bio-fuels more energy and cost efficient	Vasudeva M.
15.	Anjani Ganti	Measurement of Thermal Conductivity of Nanofluids	Raj Kishore Dash
16.	Saneet Mahradeu	Exploring Renewable Energy Options for BITS, Pilani, Pilani Campus	Rajiv Gupta
17.	Kaushik Ravi Sharma	Economical Design of Foundation	R K Mittal
18.	Saurabh Singh Dev	Direct Shear Test of Genet Reinforced Soil	Kamalesh Kumar
19.	Toshniwal Madhur	Optimization of footing subjected to Inclined & Eccentric loading	R K Mittal
20.	Siddhant Jain	Utilization of Pickling Sludge in Pavement Tiles	Anupam Singhal
21.	Kilaru Mandhar	Test for Compressive Strength and L Box, U Box, V FUNNEL Tests for self Compacting Concrete	Dipendu Bhunia
22.	Saurabh Singhal	Buckling of Composite Plates	S N Patel
23.	Rohit Pamnani	Shear Strength Characteristics of Fly Ash Mixed Pilani Soil	Kamalesh Kumar
24.	Saurabh Bulchandani	Finite Element Bending Analysis of Composite Cylindrical Shell using Degenerated Shell Element	S N Patel
25.	Ayushman Kheterpal	Linear and Non Linear Design of Shear Wall	G Muthukumar
26.	Sumit Kumar	Study on Environmental Indicators for Environment Assessment in Indian Concrete	Ajit Pratap Singh
27.	Syed An Ahmad	Differences Between API RP53 and SD53 & Analysis of	Pradeep Kumar Senha

Sr No	Name	Topic	Supervisor
		Major Environmental Factor in Deepwater Drilling in East Coast of India	
28.	Sharmila Sinha	Study of the Response of Spider webs to wind & point Loads	Rajiv Gupta
29.	Shaifali Mehta	Ground Water Modeling	Anupam Singhal
30.	Gaurav Tyagi	Development & Usage of Innovative Porous Concrete Slabs for Purification of Polluted Rainwater	Rajiv Gupta
31.	Himanshu Gupta	Study of Leaching of fly Ash	Sanghmitra Kundu
32.	Adnan Hussain	Building Classification Models for Multivariate Time Series data for Crop Yield Prediction	Navneet Goyal
33.	Abhijit Lal	Developing data visualization tools for big data	Navneet Goyal
34.	Divyansh Shukla	Temperature Prediction Using Fuzzy Time Series and MTPSO Algorithm	Yashvardhan Sharma
35.	Tanu Gupta	Comparison of Multi Criteria Decision Making Techniques	Vishal Gupta
36.	Siddharth Seth	Investigate and develop Multi Touch System Based on Computer Vision Techniques	M. K. Rohil
37.	Abhishek Singh	Provable Secure one Round Authenticated Group Key Agreement Protocol Using ECC and CL-PKC	Sk Hafizul Islam
38.	Vishvmitra Belsare	Simultaneous Image Classification and Annotation Using Multi-Modal PLSA	VS Shekhawat
39.	Gandhi Srv Ajit	Context based pedestrian detection in still images	VS Shekhawat
40.	Ishit Jariwala	Study of techniques of exploiting fine grained parallelism of a sequential code on multicore processor	J P Misra
41.	Dhruv Kumar	Incremental Algorithms for Density-based Clustering Algorithms	Navneet Goyal
42.	Sudhanshu Mittal	Genetic algorithm inspired coverage path planning using Multi-Robot System	Avinash Gautam
43.	Ranbir Mitra	Implementation of Dynamic Feature Selection Techniques for Hardware Predictors	S. Gurunarayanan
44.	Abhinav Duggal	Development of Applications and Components for application for Windows 8 platform	Vandana Agarwal
45.	Deepak G	Analytics for windows azure and Indian Elections Prediction Market	S P Vimal
46.	Khannan Sundar	A Machine learning based framework for Anomaly Detection	S P Vimal
47.	Apoorv Upreti	Static Program Analysis for Detecting Software Defects	S P Vimal
48.	Shreya Inamdar	Concurrent Data Structures	Murali P
49.	Amit Chowdhary	SSL Decryption, WAN Simulation, network quality monitoring, Audio Codec performance comparison & Adaptive forward error correction	Vishal Gupta
50.	Vatsal Rastogi	Product Review Classification	Murali P
51.	Shruti Sinha	Modeling information flows in a service organization	Leela Rani
52.	Palash Gupta	Understanding and Modelling Information Flows in Services for Exploring Enhancements	Leela Rani
53.	Deepesh Lakhota	Case Studies on Mergers & Acquisitions	NVM Rao
54.	Anurag Gupta	Oil Price Volatility and its impact on Indian Macroeconomy: An analysis	NVM Rao
55.	Mohammed Shariq Farhan	Energy Structure and its future in India	NVM Rao
56.	Anmol Gupta	Effectiveness of Monetary Policy in Curbing Inflation to achieve desired level of growth: An Empirical Investigation for the Indian Economy	Arya Kumar
57.	Anjum Dhamija	Universal Health Coverage	Arya Kumar
58.	Utsav Kumar	Modelling Risk Scores to Identify Potential Defaulters	NVM Rao

Sr No	Name	Topic	Supervisor
59.	Shruti Sinha	Modeling information flows in a service organization	Leela Rani
60.	Prashant Jain	Development of an Aggregate FII Index for India	Omvir Chaudhry
61.	Ankit Shivkumar Nimodia	Modelling Risk Scores to Identify Potential Defaulters	NVM Rao
62.	Sanil Badhani	Gold Investment in an Emerging Market: A case from India	Arya Kumar
63.	Saumya Agrawal	Reputation of Financial Services Companies: Factor Analytic Investiaton	Anil Bhat
64.	Salil Lahiri	Development of Agricultural Sector in Indian Economy	Arvind Sudarshan
65.	Sumit Bajaj	Design of reconfigurable high speed filters using reduced number scheme for application in SDR	K Srinivas Reddy
66.	G Rahul Reddy	Residue number system and application for multirate FIR filter	K Srinivas Reddy
67.	Vipul Tyagi	Vibration Signal Analysis using EMD for Bearing Fault Detection	K K Gupta
68.	Pulkit Khemka	Comparative study of FET & wavelet transform on hardware for SHM	Ashish Mishra
69.	Tarun Mohan Gupta	Empirical Mode Decomposition based Acoustic Emission Analysis for condition monitoring	K K Gupta
70.	Navdeep Aggarwal	Residue Number System and its application for multirate FIR filter	Srinivas Reddy
71.	B Shravan Achar	Design and Simulation of a Novel Fi-Wi Access Network	Rahul Singhal
72.	Ishan Jain	Different Techniques to control the induction motor fed by Z-source inverter used in Electric Vehicle	A Ananda Kumar
73.	Siddhant Agasti	Designing a Hybrid Novel Fi-Wi Access Network	Rahul Singhal
74.	Patel Stavan Kaushik	Neural Networks in Machine Learning	Surekha Bhanot
75.	Abhilekh Bartwal	Implementation of Indirect Field Control in Induction Motor fed by Z-source inverter used in Electrical Vehicle	A Ananda Kumar
76.	Shruti Inamdar	Design of all digital phase locked loop	Abhijit Asati
77.	Abhilash Jain	A study on Ternary Logic arithmetic and scheduling of multicore processors	Sudeep Mohan
78.	Shriyans Bhatnagar	Single MEMS based device for logic opeartion	Karumbaiah Chappanda
79.	Tanya Verma	Automated shimming of human spinal cord for BO mapping at 3T	K K Gupta
80.	Siddharth Seth	Investigate and construct multi-touch system based on computer vision techniques	Mukesh Kumar Rohil
81.	Nikhil Kaswan	Residue number system to binary number converters	K Srinivas Reddy
82.	Yashwardhan Anand Narvane	Techno-Economic Analysis of Smart Multi-Grids	Parimita Mohanty
83.	Munje Ishan Deepak	Design Space Exploration of memory functional units for dataflow oriented massively parallel reconfigurable architecture	S. K. Nandy
84.	Kapil Vatwani	Design space exploration of memory hierarchy for dataflow oriented massively parallel reconfigurable architecture	S. K. Nandy
85.	Aranyak Mishra	Instrumentation and signal processing for monitoring of posture and movement for assisted living and other applications	Prem C. Pandey
86.	Vinay Kumar B.R.	Indoor positioning techniques for airplane cabin systems	T.V. Prabhakar
87.	Deepika Bablani	Design of a neuromorphic cognitive system	Bharadwaj Amrutur
88.	Akshay V Jain	Security in Java	Swati Yadav
89.	Amrit Raj K	Simulation study of gold helix metamaterial on the basis of antenna theory	Joby Joseph

Sr No	Name	Topic	Supervisor
90.	Pramod R	Characterization, modeling and simulation of silicon nanowire diodes	Navakant Bhat
91.	Manish Saini	Acquisition of Learning and Speaking Skills of English	Devika
92.	Kritika Mandad	Study of Film Techniques	Devika
93.	K.V.Nitin	Adapt, Adopt and Co-opt: Analyzing Cinematic Representation of Selective South Asian Novels	Kumar Sankar Bhattacharya
94.	Pranav Mayekar	Role of Linguistic Diversity in Sustainable and Inclusive Urban-Rural Development, and Biodiversity Conservation in India	Pushplata
95.	Himanshu Tyagi	A Study on Various Policies for the Disposal of Hazardous Waste and Their Implementation	Sanjiv Kumar Chaudhary
96.	Manisha Rana	E-governance -- Use of Technology in Communication Model and in Information Processing	Pushplata
97.	K. Kalyan Kumar*	Examining equality and related concerns in higher education	Tanu Shukla
98.	Anubha Kaushik	An Exploration of Interest and Self Efficacy in Technical Education	Tanu Shukla
99.	Goutham Shekhar	Advanced Study in Cinematic Elements	Geetha B
100.	Viknesh. N	An exploratory study on the origins of technical education and the technological university in Modern India	Hari Nair
101.	Akhil J.V.	Swaraj, Liberation, and Conviviality: A study of the ideas of Gandhi, Freire, and Illich on Education	Hari Nair
102.	Kadimcharla Pavan Kotes	Online knowledge sharing platform for No- government organizations	Sangeeta Sharma
103.	G. Karthik	The cure: Developing an interactive decision tree builder for breast cancer survival prediction	Andrew Su
104.	Shruti Shenbagam	Carrier Screening of Spinal Muscular Atrophy in Pregnant Women	I. C. Verma
105.	Anupam Singh	Analysis of selected protein-protein interactions in Mycobacterium Tuberculosis	Nagasuma Chandra
106.	Sugandha Saboo	Formulation and Characterization of Spray dried VLPs as an oral vaccination strategy	Pawan Muttil
107.	Abhinav Agarwal	Studies in Supersymmetric Quantum Mechanics	Yogesh Kumar Mathur
108.	Anagh Pathak	Sensor Applications using Quartz Crystal Microbalance	Raj Kumar Gupta
109.	Viswadeep Sarangi	Face Detection using Artificial Neural Networks	Raj Kumar Gupta
110.	Anshum Garg	Algorithm for Motif Census in Complex Networks.	Kunal Bhattacharya
111.	Bhavesh Jaikumar Chauhan	Some Studies in Physics beyond Standard Model	Rishikesh Vaidya
112.	Subhendu Mishra	Image Reconstruction	R. R. Mishra

First semester 2014-2015

Sr No	Name	Topic	Supervisor
1.	Tanvi Taparia	Effect of Blood Meal on the Olfactory Gene Repertoire in the Filarial Vector, Culex quinquefasciatus: A RNA-Seq Analysis.	Rickard Ignell
2.	Akhil Chaturvedi	Study of hand-eye Coordination in humans and non human primates using EEG.	Aditya Murthy
3.	Ankita Gupta	A network representation of DNA Structures	Shibashish Chowdhary
4.	Debojit Sengupta	Secondary Structure prediction of micro RNAs	Shibashish Chowdhary
5.	Sushant Mehta	Finding Homologous micro RNA sequences using BLAST	Shibashish Chowdhary
6.	Venkatesh Ganesan	Efficient Nucleotide Sequence Alignment using EMBOSS Needle	Shibashish Chowdhary
7.	Mudit	Calculation of water influx and its impact on oil recovery in a edge water drive reservoir	Utkarsh Maheshwari

Sr No	Name	Topic	Supervisor
8.	Ashutosh Sharma	Biodegradation of gasoline and chlorinated VOCs.	Smita Raghuvanshi
9.	Mandar N Thombre	Developing Surrogate Models via computer based experiments.	Heinz Preisig
10.	Pranav Kedia	Docetaxel Nano-suspensions for drug delivery	Kamalinder K Singh
11.	Roshan Mishra	A study on particle Dynamics in 2 – Dimensional Rotating Flow	Prasad Perlekar
12.	Kadiyala Prudhvi Krishna	Location Allocation of Health Centers	A. K. Sarkar
13.	Bakaraju Vivek	Study of Accidents on Four Lane Rural Highway	A. K. Sarkar
14.	Anish Mannam	A Study of variation in speed and headway characteristics along lane reduction	A. K. Sarkar
15.	Mohit Gupta	Building Information Modeling: Implementation, Benefits, Building Performance & improved seismic performance on a residential building	Rajiv Gupta
16.	Utpal Sannyashi	Determination of shear strength characteristics of fly ash mixed Pilani soil	Kamlesh Kumar
17.	Harish Kumar Mulchandani	Dynamic Analysis of Bridge Pies under action of Pushover Loads	S. B. Singh
18.	Sarvagya Bahadur	Development of Low cost Ro Water Purification Using Egg Shell Membrane	Anupam Singhal
19.	Piyush Sood	Analysis of Suspension Bridge Cables	S. B. Singh
20.	Dasgupta Udit Shan.Ar H S	Random Field Modelling of Earth Pressures on Retaining Walls.	S. M. Dasaka
21.	Akshit Gupta	Building Information Modeling: Implementation, Benefits, Building Performance & improved seismic performance on a residential building	Rajiv Gupta
22.	Piyush Bansal	Economical Design of Shallow Foundation	Ravikant Mittal
23.	R Srinivas	Ground Water Management for sustainability development.	A P Singh
24.	K Siddharth Narayan	Development of A Decision Support System For Rural Roads Using HDM- 4.	A P Singh
25.	Virender Singh Phogat	Study of Pavement Performance of Flexible Pavement on Low Volume Roads.	A K Sarkar
26.	Ruchika Agarwal	Travels time Reliability Study of Public Transit Buses of Jaipur, Rajasthan.	A K Sarkar
27.	Bhupali Dutta	Development of need based rural network and impact of Accessibility on women Empowerment	A K Sarkar
28.	P Rajesh Reddy	A Detail Study on Economic Feasibility of different Pavements for different loadings in Indian condition.	A K Sarkar
29.	Pooja N Bhanegaonkar	Traffic calming for Improving Road Safety in BITS Pilani Campus.	A K Sarkar
30.	Ajinkya S Mane	Study of Modal Shift to Bus Transit (BRT): A case study in Indore City.	A K Sarkar
31.	Ameen Syed	Study of FRP Prestressed Bridge Girder	S B Singh
32.	Prashant Kumar Jha	Inference of Boundary Condition on the Lateral Tensional Buckling of Thin Walled FRP Graders	S B Singh
33.	Ayub Ahmed	Sustainable Integrated Water Resources Management	Rajiv Gupta
34.	Minakshi	EIA for the proposed special Economic Zone for Pilani	Anupam Singhal
35.	I Sasidhar Kumar Reddy	The National Drinking Water Security ACT, JAL ACT	Rajiv Gupta
36.	Vemula Swathi	Application of Storm Water Management in URBAN Flood Management.	A P Singh
37.	Sonal S Kulkarni	Analysis of Uncertainty and variability in Ground Water and its Impact on Human Health	A P Singh
38.	Adesh Kumar Rao	Desin and implementation of terrain exploration algorithm for multiple mobile robots	Avinash Gautam
39.	Aditi S Chaudhary	Multi Agent Area Coverage Algorithms	J.P. Misra
40.	Saumya Agrawal	Multi Agent Area Coverage Algorithms	J.P. Misra
41.	Vibhav Agarwal	To Extract fine grain Threads from sequential programmes	Kiran DC
42.	Debanshu Sinha	Peer Prioritization in Bittorrent Leveraging SDN	K Hari Babu
43.	Gautam Goyal	Study of software defined network & design and implementation of control plane	VS Shekhawat
44.	Prasham Mishra	Software Transactional Memory for Multicore Architeture	Kiran DC
45.	Lovish Bansal	Exploring Loop Unrolling for Multicore Processor Using LLVM Compiles	Kiran DC
46.	Shivam Sharma	Algorithms for analyzing known warps and deformations	Mukesh Rohil
47.	Shobhit Trehan	Object based image analysis using support vector machines	Mukesh Rohil
48.	Priyanshu Agarwal	Techniques to generate smooth non-manifold surfaces	Mukesh Rohil

Sr No	Name	Topic	Supervisor
49.	Udit Saxena	using segmented image data Multivariate time series analysis: Real time gesture recognition using K-Partite Graphs	Navneet Goyal
50.	Siddhant Jain	Dynamic Class Classification: Framework for merging & splitting of classes	Navneet Goyal
51.	Narayan Periwal	Comparison of Pthread and Open MP Performance	Navneet Goyal
52.	Akash Goel	Human detection & Recognition in Surveillance videos	Navneet Goyal
53.	Anamika Pandey	Application for software fault tree analysis approach in use-core based requirement analysis Process	Pankaj Vyas
54.	Shreya Jain	Software failure modes and effects analysis for use-core based requirement	Pankaj Vyas
55.	Sohail Shariff	Efficient Image Information Retrieval using search clustering based techniques	Poonam Goyal
56.	Sumit Sharma	Fast and Parallelizable Single Link Hierarchical Clustering Algorithms	Poonam Goyal
57.	Gupte Ketki Aniruddha	Labeling of topical clusters	Poonam Goyal
58.	Swetha Susan George	Annotation of Classified Images	Poonam Goyal
59.	Rahul Chandnani	Investigation into Identification of SDN Strategies in Data Center Networks	Rahul Banerjee
60.	Sagar Arora	Terrain Exploration using multiple robots	Sudeept Mohan
61.	Sumanpreet Kaur	A framework for analysis of cell nuclei	Sundaresan Raman
62.	Sagar Gupta	Automated water distribution systems	Vishal Gupta
63.	Surbhi Agarwal	Comparing quality of priority derivation functions in analytic hierarchy processing	Vishal Gupta
64.	Naincy Suman	Resource utilization scheduling Algorithm in cloud computing	Sunita Bansal
65.	Mayank Jha	Improved Genetic Algorithm	Sunita Bansal
66.	Heman Walia	Exploring Loop Unrolling for Multicore Processor Using LLVM Compiles	Kiran Dc
67.	Ishit Jariwala	Weather Prediction Using Machine Learning Algorithms	Yashvardhan Sharma
68.	Nithyashri Govindarajan	Distributed Complex Event Processing	Yogesh Simmhan
69.	Harsh Jain	Impact of Networking and geography on Entrepreneurship	Omvir Chaudhry
70.	Sourabh Mahajan	A comparative study of the impact of Economic Growth and Direct Benefit Transfer Schemes upon Poverty Reduction in India	Omvir Chaudhry
71.	Spriha Saggarr	Impact of Fed's QE & its withdrawal on Emerging Market Economies	NVM Rao
72.	Ishan Sarat Chegu	A Study of Issues relating to Physician Involvement in Strategic Decision Making	N V M Rao
73.	Agarwal Vipul	Effect of Employee Protection Legislation on Employee Training	Arvind Sudarshan
74.	Satyam Shlok	Effect of Economic Growth on Environmental Degradation	A K Giri
75.	R Jatangi Akash	Clustering Indian Stock Market Data for a Diversified Portfolio	N V M Rao
76.	Deepansh Dubey	Applications of low-voltage electronic circuits for developing implantable biomedical ICs	Anu Gupta
77.	Ramprasad M Nambisan	MEMS Pressure Sensors	Sachin U Belgamwar
78.	Rohit Aggarwal	VLSI Design, Power Delay Modelling of Digital Circuits	Anu Gupta
79.	Sakdeo Amogh Vivek	VLSI Design : Asynchronous Pipeline Structure	Abhijit Asati
80.	Aaqib Ahmad	Asynchronous Pipelining	Anu Gupta
81.	Praveen P G	Power-Scalable and Multi-resolution ADC	Anu Gupta
82.	V Hariharasudhan	VLSI DSP Arithmetic; Filter design and Optimization using RND Arithmetic	Srinivasa Reddy
83.	Neha Jain	Design and simulation of flip-flops in sub-threshold region of operation and comparative study for different digital architectures	Abhijit Rameshwar Asati
84.	Polepeddi Aditya	DSP VLSI RNS FIR filter implementation	Srinivasa Reddy
85.	Shaleen Desai	Logical Effort	Sachin Maheshwari
86.	Sahil Mehta	FPGA Architecture of Asynchronous Logic Design	Anu Gupta
87.	Shubham Agrawal	Non-Linear Optical Effects in High-Speed WDM/DWDM(Wavelength Division Multiplexing)	Lucky Sharan
88.	Kiran V Sharma	power electronics	Bari Melendez
89.	Digveer De	Compressive Sensing	S.D . Joshi
90.	Mehak Mittal	Magnetism of Mall: Understanding Consumer Culture	Tathagato

Sr No	Name	Topic	Supervisor
91.	Tamanna	among the Urban Youth in Delhi	Chakraborty
92.	Arjun Sai	Critical Study of Distinguished Action and Adventure Movies	Devika
93.	Lakshmi Kumari	Advanced Cinematography Techniques Cultural Auditing In Indian Companies	Geetha
94.	Gaurav Agarwal	To access the Psychological Capital of employees in related Indian organizations and study their impact on various job attitudes	Sarvesh Satija
95.	Anant Jain	Study the various factors that make an organization a Virtuous Organization and its impact on various business outputs	Sarvesh Satija
96.	Vinti Arora	Modeling of high temperature thermal energy storage system using metallic phase change material	P. Srinivasan
97.	Amogh Gopinath	Life assessment of super heater coil in super critical thermal power plant	P. Srinivasan
98.	V V S Sohan Gudipati	The future power generation and need for carbon capture and storage in India	P. Srinivasan
99.	Aman Khurana	Bicycle stabilization using control movement gyroscope	B. K. Rout
100.	Pratik Aghor	Investigation of turning patterns using finite element method and symmetry	S. J. Mohan
101.	Gaurav Prabhudesai	Numerical study of natural convection in isothermal open cavities	Heng Ban
102.	Pulkit Kumar Dubey	Electro-thermo analysis of MEMS gas sensor platform	N. N. Sharma
103.	Ajay Palshikar	Piezoelectric materials and thin films with their application	N. N. Sharma
104.	Saurabh Sharma	Supply chain risk assessment using Bayesian networks	Satyendra K Sharma
105.	Aman Pratap S Rajvi	Experimental Investigation of mechanical properties and water absorption characteristics of glass-jute fabric hybrid composite	Sharad Shrivastva
106.	Vishesh Gupta	A numerical study gear pair system backlash and stiffness	Amol M Marathe
107.	Bandikatla Puneeth	Design and motion planning of dual arm space robot for capturing and orbiting object	J. S. Rathore & Dr. S. V. Shah
108.	Palli Kartik	E- Commerce: analyzing the distribution network and its evolution in India	S. Routroy
109.	Varun Tumati	Analyzing the supply chain performance in the steel industry	S. Routroy
110.	Ketul Shah	Study of multivariate data analysis techniques used in SCM	S. Routroy
111.	Jashid Hameed	Study of multivariate data analysis techniques used in SCM	S. Routroy
112.	Pershant Goyal	Applied multivariate data analysis in supply chain management using SPSS	B. K. Rout
113.	Peeyush Kumar	Applied multivariate data analysis in supply chain management using SPSS	B. K. Rout
114.	Kchitij Dawar	Synthesis of Heat transfer fluid using catalytic synthesis	S. K. Puri
115.	Palak Joshi	Participatory action research on section -12 of the right to education act, 2009	S. Murugesan
116.	Adamyia Prakhar Goyal	Studies in Advanced Classical Field Theory	Rishikesh Vaidya
117.	Yashvardhan Srivastava	Characterization of Copper Thin films and Manganese ferrites	Srijata Dey
118.	Adbhut Gupta	Molecular Electronics	Raj Kumar Gupta
119.	Tanya Mishra	Redshifted Hi 21 cm signal from dark ages: Prospects of detecting neutrino mass	Tapomoy G Sarkar
120.	Arpit Malhotra	Study of Optical Properties of III-V Wide Band Gap Semiconductors.	Niladri Sarkar
121.	Hemant Kumar Singh	Effects of molecular crowding on DNA,RNA and other nucleic acids melting	Navin Singh
122.	Sagar Upreti	Exploring multipartite correlations in computation and communication	Shohini Ghose
123.	Apoorv Jindal	Graphene superconducting tunnel junctions and electronic transport in Bismuth nanowires	Mandar Deshmukh
124.	G. Bhavana Deepthi	Estimation of Dark Matter content in dwarf galaxies using TiRiFiC and Designing a Data Collator for ORT	Jayaram Chengalur
125.	Sankalp Gilda	Helioseismology of Large-scale Flows	S. P. Rajaguru
126.	Vivek Sharma	Neutrinos in Left Right symmetric Model	Anjan S. Joshipura
127.	Saripali Aditya Bharadwaj	Effective Transverse Thermal Conductivity of Composites	D. R. Mahapatra

**LIST OF PROJECTS COMPLETED UNDER HIGHER DEGREE
DISSERTATIONS AT PILANI CAMPUS DURING THE YEAR 2014**

Pilani Campus:

Second Semester 2013-2014

Sr No	Name	Topic	Supervisor
1.	Mohd. Golam Abdul Quadir	Role of cell surface glycoproteins in lung specific metastasis of murine melanoma cells.	Rajiv Kalraiya
2.	Naripjeet Singh Sabharwal	Cloning, Expression, Purification and X-Ray Crystallography of Icp55 Protein Using Synchrotron Beamline	Ravi Makde
3.	Debabrat Sabat	To find the effect of zinc oxide nanoparticles on protein expression via real time studies of genes involved in metabolic pathways of tomato plant	Jitendra Panwar
4.	Poornima Sharma	PKD: A molecule for retinal degeneration	Monalisa Mishra
5.	Venkata Bharadwaz Vedula	Preparation & Characterization of Acyclovir loaded carboxymethyl cellulose acetate butyrate nanoparticles	Sonal Mazumder
6.	Amrita	Experimental and theoretical studies for removal of heavy metals from industrial waste water using bioremediation	Suresh Gupta
7.	Sagar Gaikwad	Control configuration section for decentralized control of multivariable system	Amit Jain
8.	Pratibha Pal	CO ₂ Mitigation using mixed culture	Smita Raghuvanshi
9.	Shweta Sharma	Experimental and theoretical investigations on steam gasification & biomass for the production of hydrogen rich gas	Pratik N Sheth
10.	Sumeet Ghosalkar P	Development of metal doped bismuth vanadate (BIMEVOX) nanocatalyst systems for H ₂ production from biomass	Banasri Roy
11.	Sae Vyahare	Removal of heavy metal ions by metallic nano articles as adsorbents	Suresh Gupta
12.	Shubhi Vashishtha	Development and study of metal based nano catalyst for H ₂ production from biomass using aqueous phase reforming.	Banasri Roy
13.	Deepankar Kalita	Modelling, Simulation and control of drum boiler	H K Mohanta
14.	Abhideep Singhai	Identification of new generation surfactants	R K Sapru
15.	Bhuvanesh M.	Numerical simulation of thermal EDR laboratory tube run	S K Sinha
16.	SHANTANU JOSHI	Techniques to recognize handwritten characters and segment the regions of sketches and tables	M. K. Rohil
17.	NISHANT DAVID	Integrating LLVM with TINYSTM to exploit Fine Grains Parallelism	DC Kiran
18.	YASHIKA CHAWLA	Feature selection for web queries	Poonam Goyal
19.	TOSIF KHAN	Study of application porting techniques	V S Shekhawat
20.	Abhishek G Nair	Automatic Prediction of Perceptual Image Quality	K K Gupta
21.	Amit Bisaria	Design and Analysis of RWA algorithms in Optical WDM Networks	V S Shekhawat

Sr No	Name	Topic	Supervisor
22.	Vikrant Lakhanpal	Design and Fabrication of Microstrip Patch Antennas with Defected Ground Structures	Meenakshi Sundaram
23.	V Sai Krishna Varenya CH	Dynamic parallel application for android devices	Ashish Mishra
24.	Lovena Balani	10 Gbps Bidirectional OFDM Access Network Over Fiber	Rahul Singhal
25.	Anirban Jyoti Hati	Writer Identification in Music Score Documentation without Staff-line Removal	Umapada Pal
26.	Neeraj Dhanraj Bokde	Customizable Base Station Application Development in wireless sensor network	G L Bodhe
27.	ZAID BIN AHSAN	Strategic Online Communications for Brand Building	Pushplata

LIST OF EQUIPMENTS PROCURED DURING THE YEAR 2014

Biological Sciences

1. MP Tetra cell & accessories
2. TC20 Automated Cell Counter with Counting Kit
3. Thermo Electron Make Fluroskan Ascent
4. Manual Microtome Model: Leica RM2125 RTS
5. Applied BioSystems Verii 96 Well Thermal Cycler
6. Plant Growth Chamber
7. Thermo Scientific Sorvall ST16R
8. Refrigerated Multostack Shaking Incubator
9. Protein Purifications System

Chemical Engineering

1. Autoclave Vertical High Pressure
2. Dissolved Oxygen Meter
3. Multi Programmable Syringe Pump
4. Bio Filter Column Setup
5. Bio-Rad Sadtler IR Spectra Package

Chemistry

1. Weighing Balance Mettler Toledo
2. RCT basic IKAMAG Safety Control (2)
3. Mechanical Orbital Shaker(2)
4. Rotary Vacuum Pump
5. Oil Free Air Compressor
6. Electrochemical Workstation
7. Xenon Lamp
8. Model-1200 Series (Hand held Potentiostat)
9. Recirculating cooler
10. Spectrophotometer with spectra Manager & accessories
11. Laser Source for Florescence application
12. AvaSpec for Absorption and Fluorescence measurement
13. Apparatus for freezing point depression
14. Rotary Evaporator Package (2)
15. Denver Analytical Balance
16. Buchi Rotavapor
17. Vacuum pump

Civil engineering

1. Chiller Unit
2. Diamond Core bits
3. Viscosity System
4. BOSCH Diamond Cutter
5. Pressure Surge in a Pipe and Water Hammer
6. Solar Pump with panel

Computers and peripherals

1. Canon multifunctional copier machine - Repro
2. Dell desktops (279) -Mech.eng.,physics,hum&sci, WILPD,CSIS,IPC,Chemistry
3. High-Speed Laser Printer - WILPD
4. Dell T7610 Workstation -Mech. Engg
5. Sony Vaio Tablet-(9) -WILPD, IPC
6. Apple iMac Desktop 21.5 (6) - SDET
7. 4 GB RAM (18) -CSIS
8. Projector (13) -WILPD, I.U
9. HP 48 Core Machine -CSIS
10. HP Desktop (5)- Placements
11. Dell Latitude 3540 CTO -Placements
12. 8 Bay NAS Storage -WILPD
13. ZoneFlex 7982 dual band(10) -IPC,CSIS
14. EX3300 24 Port 10/100/1000BaseT -CSIS
15. Five Input HDCP-Compliant Scaler -WILPD
16. HP LaserJet Printer (3) -Hum.& Sci.. civilengg.. ,Admissions
17. Lenovo Laptop (3) -Hum.&Sci
18. Sony Vaio Laptop (3) -Director, Hum sci ..
19. Cluster Node (49) -Physics
20. Laptop HP (2)- IPC
21. Broadband Ridge Horn Antenna 1–18 GHz DRH20 -EEE
22. CTS-EX90-K9-NPP Touch UI (8) - SDET
23. ATS SLA Printer -Mech..Engg
24. ASUS Laptop -Physics
25. HP Laserjet Printer & Scanner -ID
26. HP NB PC -Chemistry
27. IBM Server X3650 M4 (2) -SDET , Chemistry
28. Apple MacBook Pro -Chemistry
29. Dell laptop -CSIS
30. IBM Servers-(20) -Physics ,CSIS, WILPD
31. IBM Tower Server -CSIS

Computer hardware

1. Turtlebot 2 - CSIS
2. I2U MS Rack with front Glass door and Fan Tray –WILPD

Computer Software

1. FireBird V 2560 - CSIS
2. FortiGate FG-80C-BDL - Admissions
3. virtual class room -WILPD

Electrical, Electronics & Instrumentation Engineering

1. 3-Phase Diode Rectifier
2. IEEE 802.15.4 TelcoB Mote with sensor Suite
3. Induction motor (3)
4. NI USB-4432 - 24-Bit Sigma-Delta ADC & kit
5. Economy Multipurpose Lab Stations
6. Aligent microwave counter
7. Digital storage oscilloscope
8. Optical power meter
9. Starter Kit
10. Xilinx Parts and accessories(2)
11. AtlysT Spartan-6 FPGA Development Board
12. Stepper Motor controlled Azimuth Antenna positioner
13. RF cable (2)
14. D.C. Power Supply

Mechanical Engineering

1. 8 CH. FFT Analyzer (12 SPU)
2. Digital Torsion Testing Machine
3. Fatigue testing machine
4. CO2 Refrigeration System
5. Vacuum Oven,
6. Refrigerator
7. Testo 350 Flue Gas Analyser box with accessories
8. C-1000-12-Calibration Kit
9. Evaporator Box Coater Model BC-300
10. Ease of Use Probe System
11. Sheid enclosure with triaxial feed

Networking Equipment

1. EX4300 24 PORT 10/100/1000 base T -IPC
2. Splicing machine – IPC
3. Infortrend for eon naspro 810 - WILPD

Pharmacy

1. Microwave Synthesizer

2. Nitrogen Evaporator
3. Animal Identification System
4. Probe sonicator
5. New DataCapsule-Evo, 4-Channel
6. Isolated organ bath
7. Isometric force transducer
8. High sensitivity transducer
9. Isotonic transducer
10. BuchiRotavapor

Physics

1. Linear Air Track
2. CRO Dual Channel
3. Faraday Effect experiment kit
4. Power Supply with accessories
5. Measurement of Magneto resistance of Semiconductors accessories
6. Kerr Effect Experiment Kit
7. miniature spectrometer
8. tungsten halogen light source

Others

1. CCTV Camera -PRU
2. RMS ECG Cardpia 800 - Medical centre
3. Digital RVG System - Medical centre
4. Stanlay 300m Duct Rodder - IPC
5. Rolling Table with twin post panel
6. Ahuja Cordless Mic Wi320 -I.U
7. Optilion Electrolyte Analyzer - Medical centre
8. Usha Heat Converter FS812T - V FAST
9. Spice Stellar Pinnacle (Brown) Mobiles (100) - SDET
10. 10 KVA UPS - Bio
11. 6 KVA UPS - Pharmacy, Bio, Chemistry ,I.U

**CUMULATED LIST OF BOOKS PUBLISHED UNDER THE AUTHORSHIP OF
BITS FACULTY**

A. Text Books

S.No.	Author	Title	Publisher	Year
Bio Sciences				
1.	Rastogi, S.C.	An outline of Developmental Physiology	Rajasthan Hindi Granth Academy, Jaipur	1973
2.	Rastogi, S.C.	Essentials of Animal Physiology	Wiley Eastern, New Delhi	1977
3.	Rastogi, S.C.	Experimental Physiology	Wiley Eastern, New Delhi	1982
4.	Mitra, Sandhya	Elements of Molecular Biology	MacMillan	1982
5.	Rastogi, S.C.	Cell Biology	Tata McGraw Hill, New Delhi	1988
6.	Rastogi, S.C.	Biochemistry	Tata McGraw Hill, New Delhi	1993
7.	Rastogi, S.C., Sharma, V.N., Tandon, A.	Concepts in Molecular Biology	Wiley Eastern, New Delhi	1993
8.	Mitra, Sandhya	Essentials of Genetics	Tata McGraw Hill, New Delhi	1994
9.	Mitra, Sandhya	Business of Living	Wiley Eastern, New Delhi	1994
10.	Roy, U., Saxena V.	A Handbook of Genetic Engineering	Kalyani Publications	2007
11.	Ashish Runthala	Hunting Drugs for Potent Antigens in the Silicon Valley	IGI GLOBAL	2010
Chemical				
12.	Khan, F.I., Abbasi, S.A.	Risk assessment of chemical process industries: advanced techniques	Discovery Pub. House	1998
13.	Abbasi, S.A., Krishnakumari, Khan, F.I.	Hot topics: Global warming, acid rain, ozone hole, industrial disasters, dis-infection	Oxford India Pr.	1999
14.	Babu, B.V.	New Optimization Techniques in Engineering	Springer-Verlag, Heidelberg, Germany	2004
15.	Babu, B.V.	Process Plant Simulation	Oxford University Press, India	2004
16.	Babu, B.V.	One Chapter in the Book Advances in Computational Optimization and its Applications	Universities Press, Hyderabad	2007
17.	Babu, B.V., Angira, R.	One Chapter in the Book Soft Computing Applications in Industry	Springer Verlag	2007
18.	Babu, B.V., Angira, Rakesh	Optimization of Industrial Processes using Improved and Modified Differential Evolution	In Soft Computing Applications in Industry, Edited by Bhanu Prasad, Springer-Verlag, Heidelberg, Germany.	2008
19.	Babu, B.V., Ramakrishna, V.	Water Crisis: Origin Identification and Management	In India's Water Crisis, Edited by K R Gupta, Atlantic Publishers, New Delhi	2008
20.	Babu, B.V., Gupta. S.	Removal of Heavy Metal Pollutants from Wastewater Using Low Cost Absorbents	In India's Water Crisis, Edited by K R Gupta, Atlantic Publishers, New Delhi	2008
21.	Ashish M. Gujarathi and B. V. Babu (contributed a chapter	Advances in Optimization and Simulation of Low Density Polyethylene (LDPE) Tubular	Nova Science Publishers, USA	2010

S.No.	Author	Title	Publisher	Year
	in Advances in Chemistry and Chemical Engineering)	Reactor		
22.	Ashish M. Gujarathi and B. V. Babu (contributed a chapter in Handbook of Optimization)	Multi-objective Optimization of Low Density Polyethylene (LDPE) Tubular Reactor using Strategies of Differential Evolution	Springer, Germany	2010
Chemistry				
23.	Choudhari, Roy T.	Basic Thermodynamics	Engineering Tata McGraw Hill, Bombay	1973
24.	Choudhari, Roy T.	Applied Thermodynamics	Engineering Tata McGraw Hill, Bombay	1973
25.	Gupta, S.P.	Quantum Biology	New Age, New Delhi	1997
26.	Khan, F.I., Abbasi, S.A.	Risk assessment of chemical process industries: advanced techniques	Discovery Pub. House	1998
27.	Srivastava, R.C., Saha, S.K., Jain, A.K.	Thermodynamics- A Core Course	Prentice New Delhi	Hall, 2004
28.	Gupta, S.P., Gupta, R.R.	QSAR & Molecular Modeling Studies in Heterocyclic Drugs II	Springer-Verlag, Berlin	2007
Civil Engineering				
29.	Gupta, Rajiv	Construction planning & technology Second Edition	CBS New Delhi	2014
30.	Ghoshal, S.	Microprocessor based system design	Macmillan	1996
31.	Ghoshal, S.	Computer-Aided analysis & design	PHI	1997
32.	Moondra, H.S. & Gupta, Rajiv	Laboratory manual for civil engineering	CBS, New Delhi	2000
33.	Kumar, Kamlesh	Basic Geotechnical Earthquake Engineering	New Age International Publishers, Limited, New Delhi.	2006
34.	Raju, K.S.	Prediction in Ungauged Basins for Sustainable Water Resources Planning and Management	Jain Brothers, New Delhi	2007
35.	Kulkarni, D.M. & A.K. Sarkar	Engineering graphics with AutoCAD	PHI, New Delhi	2009
36.	K. Srinivasa Raju & D. Nagesh Kumar	Multicriterion Analysis in Engineering and Management	PHI Learning Pvt. Ltd., New Delhi.	2010
37.	K. Srinivasa Raju & A. Vasani (Ed.)	Sustainable Water Resources Management and Impact of Climate Change	B.S. Publications, Hyderabad.	2010
38.	Singh, S. B.	Analysis and Design of FRP Reinforced Concrete Structures,	McGraw-Hill Education Pvt. Ltd., New Delhi	2014
Computer Science				
39.	Mathur, A.P., Arora K.S., Reddy U.S.	Introduction to Pascal	Tata McGraw Hill, New Delhi	1983
40.	Mathur, A.P.	Introduction to Microprocessors (Third Ed.)	Tata McGraw Hill, New Delhi	1989
41.	Sharan, S.N.	Fundamentals of Expert System	CBS, New Delhi	1993
42.	Banerjee, Rahul	Architecture and Conceptual Design of the Unix System	Khanna Publishers	1993
43.	Banerjee, Rahul	Internetworking Technologies: An Engineering Perspective	Prentice Hall of India	2003
44.	Ghosh, S.	Programming in C	Prentice Hall of India	2004

S.No.	Author	Title	Publisher	Year
Electrical & Electronics Engineering				
45.	Maheshwari, L.K., Anand, M.M.S.	Laboratory Manual for Introductory Electronics Experiments	New Age International Publisher	1979
46.	Jain, R.P.	Modern Digital Electronics	Tata McGraw Hill, New Delhi	1984
47.	Jain, R.P., Anand, M.M.S.	Digital Electronics	Tata McGraw Hill, New Delhi	1984
48.	Ramanan, K.V.	Functional Electronics	Tata McGraw Hill, New Delhi	1984
49.	Iyer, T.S.K.V.	Circuit Theory	Tata McGraw Hill, New Delhi	1985
50.	Nagrath, I.J., Kothari, D.P.	Modern Power System Analysis (Second Ed.)	Tata McGraw Hill, New Delhi	1989
51.	Nagrath, I.J.	Basic Electrical Engineering	Tata McGraw Hill, New Delhi	1991
52.	Maheshwari, L.K., Kapoor, A.	Digital Electronics	McMillan India, New Delhi	1992
53.	Khare, R.P.	Analysis Instrumentation	CBS, New Delhi	1993
54.	Nagrath, I.J., Kothari, D.P.	Power Systems Engg.	Tata McGraw Hill, New Delhi	1994
55.	Nagrath, I.J., Kothari, D.P.	Theory and Problems of Electrical Machines (TMH outline series)	Tata McGraw Hill, New Delhi	1996
56.	Nagrath I.J., Kothari, D.P.	Electric Machines (Second Ed.)	Tata McGraw Hill, New Delhi	1997
57.	Nagrath, I.J.	Electronics: Analog and Digital	Prentice-Hall of India, New Delhi	1998
58.	Nagrath, I.J. Kothari, D.P.	Theory and Problems & Basic Electrical Engineering	Prentice-Hall of India, New Delhi	1998
59.	Nagrath, I.J. Sharan, S.N. Ranjan, R. Kumar, S.	Signals and Systems	Tata McGraw Hill, New Delhi	2001
60.	Anand, M.M.S.	Electronics Instruments & Instrumentation Technology	PHI	2003
61.	Ghosh, S.	Fundamentals of Electrical and Electronics Engineering	Prentice Hall of India	2003
62.	Khare, R.P.	Fiber Optics and Optoelectronics	Oxford University Press	2004
63.	Bansal, R.C.	One Chapter in the Book Electric Vehicles	CRC Press	2005
64.	Ghosh, S.	Electrical Machines	Pearson Education	2005
65.	Maheshwari, L.K., Anand, M.M.S.	Analog Electronics	Prentice Hall of India, New Delhi	2005
66.	Maheshwari, L.K., Anand, M.M.S.	Laboratory experiments and PSPICE simulations analog electronic	Prentice-Hall of India	2006
67.	Bhattacharya, D.K., Sharma, Rajnish	Solid State Electronic Devices	Oxford University Press, New Delhi	2007
68.	Surekha Bhanot	Process Control-principles and applications	Oxford University Press	2008
69.	Khare, R.P., Dixit, R.K.	Rejuvenation without medicines [English translation of ' <i>Bina Aushadhiyon ke Kayakalp</i> ' (in Hindi) by Pt Shriram Sharma Acharya]	Shri Vedmata Gayatri Trust, Shantikunj, Haridwar	2008
70.	Shambhudass, Khare, R.P.	Companions in Solitude [English translation of ' <i>Sunsan ke Sahachar</i> ' (in Hindi) by Pt Shriram Sharma Acharya – Translation by V. A. Shivshankaran]	Shri Vedmata Gayatri Trust, Shantikunj, Haridwar	2008
71.	Navneet Gupta	Principles of Material Science and	Dhanpat Rai & Co., New Delhi	2001

S.No.	Author	Title	Publisher	Year
		Engineering		
72.	Navneet Gupta	Semiconductor Materials and Devices	Dhanpat Rai & Co., New Delhi	2006
73.	Navneet Gupta	Fundamentals of Electronic Devices	Dhanpat Rai & Co., New Delhi	2009
74.	L.S. Bobrow and Navneet Gupta	Foundation of Electrical Engineering: Asian Edition	Oxford University Press, New Delhi	2013
75.	William Stallings & V K Chaubey (adaptation)	Wireless Communications Networks	Pearson Education Second Edition Indian Subcontinent adaptation	2009
English				
76.	Krishna Mohan, Manerjee, Meera	Developing Communication Skills	MacMillan India Ltd., New Delhi	1990
77.	Sharma, R.C. Krishna Mohan	Business Correspondence and Report Writing (2nd Ed.)	Tata McGraw Hill, New Delhi	1994
78.	Krishna Mohan, Raman, Meenakshi	Effective English Communication	Tata McGraw-Hill, New Delhi	2000
79.	Raman, Meenakshi, Sharma, Sangeeta	Technical Communication: Principles and Practice	OUP, New Delhi	2004
80.	Raman, Meenakshi [Ed.]	English Language Teaching	Atlantic Publishers and Distributors Ltd, New Delhi	2004
81.	Raman, Meenakshi, Singh, Prakash	Business communication.	Oxford University Press	2006
82.	Lata, Pushp Sanjay Kumar	Communicate or Collapse	Prentice Hall of India, New Delhi	2007
83.	Krishna, M., Sharma Sangeeta	Frozen Ripple	Future Publishers, Howrah	2007
84.	Sarangi, J., Mishra Vinod	Explorations in Australian Literature	Sarup and Sons, New Delhi	2007
85.	Raman, Meenakshi Sharma, Sangeeta	Technical Communication – Principles and Practice. For Gujarat Technological University	OUP, New Delhi.	2008
86.	Raman, Meenakshi Sangeeta Sharma	Technical Communication: English Skills for Engineers	OUP, New Delhi.	2009
87.	Pushp Lata and Sanjay Kumar	Communicate to Conquer: A Handbook of Group Discussion and Job Interviews with DVD	New Delhi: Prentice Hall of India (PHI)	2010
88.	Pushp Lata and Sanjay Kumar	Communication Skills	Oxford Higher Education	2011
Engineering				
89.	Nagrath I.J., Madan Gopal	Systems : Modelling and Analysis	Tata McGraw Hill, New Delhi	1982
90.	Nagrath I.J., Madan Gopal	Control Systems Engineering (Second Ed.)	Wiley Eastern, New Delhi	1982
91.	Subramanian, K.R.V., Kadayam, S.R.	System Simulation: An Introduction to GPSS	CBS Publishers, New Delhi	1992
92.	Gupta, A.	Systems Analysis	CBS, New Delhi	1993
93.	Bansal, R.C., Bhatti, T.S., Kothari, D.P.	Small Hydro Power System	Dhanpat Rai and Company	2004
94.	Ghosh, S.	Control Systems: Theory and Applications	Pearson Education	2004
95.	Gupta, Rajiv, Nagrath, I.J.	Introduction to Systems	New Age International Publishers	2005
96.	Ghosh, S.	Network Theory: Analysis and	Prentice Hall of India	2005

S.No.	Author	Title	Publisher	Year
Synthesis				
Humanistic Studies				
97.	Prakash, Nirupama, Dash, Motilal	Conflict Resolution: Peace Development	Jain Brother, New Delhi	2004
98.	Dash, Motilal, Dhyani, Umesh	Entrepreneurship Culture	Allied Publishers, New Delhi	2005
99.	Sachdev, K.N.	Ethics: A Virtue Theoretic Approach	Adhyayan Publishers & Distributors, Delhi	2005
100.	Sachdev, K.N., Maharana, S.K.	Perspectives on Indian Ethics	Icon Publishers, New Delhi	2007
101.	Maharana, Suryakant	Bhārtrhari on Word and Consciousness: The Advaita Perspective” in Dr. K.S.Prasad (ed.) Language and Mind The Classical Indian Perspective, Vol 2	Decent Books (D.K. Printworld Publishers), New Delhi, pp. 147-148	2008
102.	Prakash, Nirupama	Safe motherhood in globalized world	Routledge, London	2009
Instrumentation				
103.	Anand, M.M.S.	Electronic Instruments and Instrumentation Technology	Prentice Hall, New Delhi	2004
Mathematics/Physics				
104.	Bose, R.K., Joshi, M.C.	Methods of Mathematical Physics	Tata McGraw Hill, New Delhi	1984
Mathematics				
105.	Krishnamurthy, V., Mainra, V.P., Arora, J.L.	Introduction to Linear Algebra	Affiliated East-West Press Pvt. Ltd., New Delhi	1976
106.	Pant, J.C.	Project Management: CPM, PERT, CERT with Linear Programming (Third Ed.)	Jain Brothers, New Delhi	1994
107.	Patnaik, R.K.	Calculus - Differential and Integral	CBS Publishers, New Delhi	1994
108.	Pant, J.C.	Introduction to Optimization: Operations Research (Fifth Ed.)	Jain Bros., New Delhi	2000
109.	Prasad, Devi	Introduction to Numerical Analysis	Narosa, Publishing House	2005
110.	Johnson, R.A., Gupta, C.B.	Miller and Freund's Probability and Statistics For Engineers	Pearson Education, New Delhi	2005
111.	Prasad, Devi	Elementary linear algebra.	Narosa Publishing House	2006
112.	Ganesh, M.	Introduction to fuzzy sets and fuzzy logic.	Prentice-Hall of India	2006
113.	Mishra, B.N., Mishra, B.K.	Optimization: linear programming	Ane Books	2006
114.	Dubey, Balram	Introductory Linear Algebra	Asian Books, New Delhi	2007
115.	Gupta, C.B.	Quantitative Methods	Asian Books, New Delhi	2007
116.	Sathpathi, D.K., Mishra, B.K.	Mathematical Modeling	Ane Books India, New Delhi	2007
117.	Ganesh, M.	Basics of Computer Aided Geometric Design : An Algorithmic Approach	IK International Publishing house Pvt. Ltd., New Delhi	2008
118.	Gupta, C.B., Mallik, K.	Engineering Mathematics-I	New Age Publications, New Delhi	2008
119.	Gupta, C.B., Mallik, K.	Engineering Mathematics-II	New Age Publications, New Delhi	2008
120.	Gupta, C.B.	Application of Optimization in Operations Research	IK International Publishing house Pvt. Ltd., New Delhi	2008
121.	Sharma, B.K.	A Text Book of Engineering Mathematics II	Asian Books Pvt. Ltd., New Delhi	2008

S.No.	Author	Title	Publisher	Year
122.	Gupta, C.B.	Advanced Mathematics	NAIL, New Delhi	2009
123.	Krishnamurthy, V.	Combinatorics - Theory and Applications	East-West Press Pvt. Ltd., New Delhi. Also republished by Ellis Horwood, U.K.	1985, 1986
124.	CB Gupta, SR Singh and Sandeep Kumar	Advanced Discrete Structure	IK International, New Delhi	2010
125.	DS Chauhan, KN Singh, Paresh Vyas, Rakesh Pandey, Subhash Yadav, Trilok Mathur	Beez Ganita (Algebra)	Vardhman Mahaveer University, Kota	Open 2010
126.	SP Goyal, AK Goyal, Vimlesh Soni, Sunil Saxena, Trilok Mathur	Sammishra Vishleshan (Complex Analysis)	Vardhman Mahaveer University, Kota	Open 2010
Management Studies				
127.	Dhyani, Umesh, Dash, Motilal, Kumar, Arya	Grass Roots Entrepreneurship-Strategy for Development	Jain Book Agency	2004
128.	Sharma, Sangeeta, Singh, Raghuveer	Advertising: Planning and Implementation.	Prentice-Hall of India	2006
129.	Anubhavananda Swami, Kumar, Arya	Management with Difference	Ane Books India, New Delhi	2007
130.	Bhat, Anil, Kumar, Arya	Management – Principles, Processes and Practices	OUP, New Delhi.	2008
131.	Chaudhary, Omvir & Singh, Prakash	Principals of Management	New Age International Publishers	2011
132.	Mechanical Engineering			
133.	Vaishwanar, R.S., Lakshmi-narayanan, V.	A Textbook of Practical Geometry (Ninth Ed.)	Jain Brothers, New Delhi	1992
134.	Mittal, R..K., Nagrath, I.J.	Robotics & Control	TMH	2003
135.	Parasar, B.S.N., Mittal, R.K.	Workshop Practice	Prentice Hall of India	2003
136.	Mittal, R.K., Sharma, N.N.	Emerging Mechanical Technology	RPS Press, Chennai	2007
137.	Prakash, Ravi	Nondestructive Testing Techniques	New Age Int. Publishers, New Delhi	2007
138.	Parashar, B.S.N.	Cellular manufacturing systems	PHI, New Delhi	2009
Pharmacy				
139.	Parimoo, P.	Textbook of Medicinal Chemistry	CBS, New Delhi	1995
140.	Mithal, B.M.	Textbook of Pharmaceutical Formulation (Sixth Ed.)	Vallabh Prakashan, New Delhi	1997
141.	Mithal, B.M.	Textbook of Forensic Pharmacy (Tenth Edition)	Vallabh Prakashan, New Delhi	1998
142.	Parimoo, P.	Pharmaceutical Analysis	CBS, New Delhi	1998
143.	Mithal, B.M., Saha, R.N.	Handbook of Cosmetics	Vallabh Prakashan, New Delhi	2000
144.	Sriram, D. Yogeeswari, P.	Medicinal Chemistry	Pearson Education, New Delhi	2007
Physics				
145.	Srivastava, Rajesh & Choubisa, Rakesh	Atomic and Molecular Physics	Narosa Publishing House	2011

S.No.	Author	Title	Publisher	Year
Science & Technology				
146.	Mitra, C.R., Mandke, Parimal	S & T in Action	Prentice Hall, New Delhi	1988
147.	Mitra, C.R., Mandke, Parimal	Managing S&T – Conceptual Design of Management Tasks	Wiley Eastern Ltd, New Delhi	1989
Finance				
148.	Machiraju, H.R.	Working of Stock Exchanges in India	Wiley Eastern, New Delhi	1994
149.	Machiraju, H.R.	Principles and Practice of Merchant Banking	Wiley Eastern, New Delhi	1994
150.				
B. Other Than Text Books				
151.	Misra, S.D.	Amarakosh with Krishnamitra's Commentry in Sanskrit	Indira Prakashan, Patna	1972
152.	Sharma, R.C.	An approach to King Lear	McMillan, Madras	1975
153.	Mehta, H.C.	Science and Society in the University	Jain Bros., New Delhi	1976
154.	Prasad, S.N.	Studies in Gunedhya	Choukhamba Or-ientalia, Varanasi	1977
155.	Gaur, V.P.	Mahatma Gandhi : A study of his Message of Non- violence	Sterling, New Delhi	1977
156.	Krishna Mohan (Ed.)	Higher Education – A BITS Experiment	BITS, Pilani	1977
157.	Tewary, V.K.	Mechanics of Fibre Composites (International Edition)	Wiley Eastern, New Delhi John Wiley, New York	1978
158.	Prasad, S.N.	Katha Sarit Saagar Tatha Bhartiya Sanskriti	Choukhamba Or-ientalia, Varanasi	1978
159.	Krishna Mohan, Chatterjee, B.	A Practice Book of English Structure & Composition	Ram Prasad & Sons, Agra	1978
160.	Misra, S.D.	Advait Vedantamen Abhasavada	Indira Prakashan, Patna	1979
161.	Srivastava, G.P., Tiwari, S.Y.	Special Relativity (Hindi)	Rajasthan Hindi Granth Akadami, Jaipur	1979
162.	Mandke, V.V.	BITS Practice School, A case study in Industry- University Collaboration	BITS, Pilani	1980
163.	Krishna Mohan (Ed.)	Practice School: A New Concept in Higher Education	BITS, Pilani	1980
164.	Sharma, R.C. & others	Scientific Contexts	Tata McGraw Hill, New Delhi	1980
165.	Prasad, S.N.	Kalyanamalla's Anangaranga on Indian Erotics	Choukhamba Ori-entalia, Varanasi	1982
166.	Sharma, R.C. (Ed.)	Modern India, Shifting Perspectives, in honour of Dr. C.R. Mitra	S. Chand & Co., Delhi	1982
167.	Gulati, R.R.	Monochrome & Coloured Television	Wiley Eastern, New Delhi	1983
168.	Chaturvedi, P.D.	Language through Literature	Parshad Prakashan, Delhi	1986
169.	Mitra, C.R., Iyer, T.S.K.V., Krishnamurthy, V., Mandke, V.V., Subramanian, H., Venkateswaran, S., Arora, R.P., Maheshwari, L.K., Mandke, Parimal,	'Challenge and Response' Towards New Education Policy and Beyond	Wiley Eastern, New Delhi	1986

S.No.	Author	Title	Publisher	Year
	Day, Smarit, Mitra, A.			
170.	Misra, S.D.	Modern Researches in Sanskrit	Dr. Veermani Pd. Upadhyaya Felicitation Volume, Indira Prakashan, Patna	1987
171.	Gaur, V.P.	Studies on Nehru	Sterling Publishers, New Delhi	1987
172.	Rai, R.S., Mehrotra, R.C.	Elements Old & New (in Hindi)	N.C.E.R.T.	
173.	Rai, R.S.	Elements – Old & New	NCERT, New Delhi	1990
174.	Rai, R.S.	Applications of Nuclear Radiations	NCERT, New Delhi	1990
175.	Chaturvedi, P.D., Krishna Mohan, Pathak, S.N. (Ed.)	An Improbable Achievement – BITS – A profile of Change	Wiley Eastern Ltd., New Delhi	1990
176.	Krishnamurthy, V.	Culture, Excitement and Relevance of Mathematics	Wiley Eastern Publications, New Delhi	1990
177.	Krishnamurthy, V.	Ten Commandments of Hinduism	Wiley Eastern	1994
178.	Misra, S.D.	Madhya-Siddhanta Kaumudiderpana	Krishnadas Academy, Varanasi	1996
179.	Gupta, S.P.	A practical guide to the construction of low cost Typhom Resistant Housing (Second Ed.)	Building & Social Housing Foundation. Coalville, UK	1997
180.	Gupta, S.P.	Disaster mitigation in Asia and the Pacific	Asian Development Bank, Manila Philippines	1997
181.	Srivastava, R.C., Saha, S.K., Jain, A.K.	Thermodynamics	Prentice Hall of India	2004
182.	Sharma, Sangeeta, Singh, Raghuvir (Guest Ed.)	International Journal of Communication (Vol. 14)	Bahri Publications, New Delhi	2004
183.	Raman, Meenakshi [Ed.]	Critical Perspective in American Literature	Atlantic Publishers and Distributors Ltd., New Delhi	2005
184.	Raman, Meenakshi, Sharma, Sangeeta, Mishra, Binod [Ed.]	Communicating at Work Shifting Paradigms and Emerging Trends	Jain Brothers, New Delhi	2005
185.	Mishra, Binod [Ed.]	Existential Concern in Novels of Mulk Raj Anand	Adhyayan Publishers & Distributors, Delhi	2005
186.	Ghosh, S.	Control Systems for the JNTU	Pearson Education	2005
187.	Sachdev, Kumar Neeraj	Ethics: A Virtue-theoretic Approach	Adhyayan Publishers & Distributors, Delhi	2005
188.	Dhyani, Umesh	Global corporate executives 63 mantras	Allied Publishers	2005
189.	Srivastava, R.C. Nagappa, A.N.	Surface Activity in Drug Design	Elsevier	2005
190.	Dash, S.S.	Pricing in the Telecommuni-cation Sector in India.	Academic Excellence, Delhi	2006
191.	Mishra, Binod, Kumar, Sanjay (Ed.)	Indian Writings in English.	Atlantic Publishers, New Delhi	2006
192.	Raman, Meenakshi	New Dimensions of English Poetry: Impact of Science and Technology.	Indus Valley Publishers, Jaipur	2006
193.	Mishra, Binod	Explorations in Australian literature.	Sarup & Sons Publishers, New Delhi	2006
194.	Mishra, Binod	Critical Response to Feminism.	Sarup & Sons Publishers, New Delhi	2006
195.	Mishra, Binod	Grammar in Use (A series of three books for Class VI, VII and VIII)	Arvind Publications, Meerut.	2006
196.	Ghosh, Smarajit	Signals and systems	Pearson Education	2006
197.	Fatmi, S.N.	Social Ecology and Agrarian	Icon Publications, New Delhi	2006

S.No.	Author	Title	Publisher	Year
		Classes		
198.	Modak, Pintu, Pareek, R.P.	Exercise and Diabetes Cardiovascular Disease and Obesity.	Jain Brothers, New Delhi	2006
199.	Gupta, S.P., Gupta, R.R. (Ed.)	QSAR and Molecular Modeling Studies in Heterocyclic Drugs I	Springer Verlag, Berlin	2006
200.	Parashar, B.S.N.	Elements of Manufacturing Processes	Prentice Hall of India	2006
201.	Modak, Pintu	Stretch and relax	Khel Sahitya Kendra, New Delhi	2009
202.	Krishna Mohan, Meenakshi Raman	Advanced Communicative English	TMH, New Delhi	2009
203.	Raman, Meenakshi	Soft Skills: Cornerstone of Professional Success	Jain Brothers, New Delhi	2009
204.	Raman, Meenakshi, Sangeeta Sharma	Communication skills for Mumbai University	OUP, New Delhi	2009
205.	Raman, Meenakshi, Sangeeta Sharma	Professional Communication for UPTU	OUP, New Delhi	2009
206.	Raman, Meenakshi, Sangeeta Sharma	Communicative English for BPUT	OUP, New Delhi	2009
207.	Sharma, Sangeeta	Pester power effect of advertising on Children	CIPS, Jaipur	2009
208.	Sharma, Sangeeta & Binod Mishra	Communication Skills for engineers and scientists	PHI, New Delhi	2009
209.	Mishra, Binod & Gajendra S. Chauhan	Communication in a globalised world	Authors Press, New Delhi	2009
210.	Lata, Pushp & Sanjay Kumar	Communicate to conquer	PHI, New Delhi	2009
211.	Raman, Meenakshi & Sharma, Sangeeta	Technical Communication	Oxford Higher Education	2011
212.	Geetha, B. & Sarwal, Amit	Exploring Science Fiction	SSS Publications, New Delhi	2011
213.	Modad, Pintu & Debnath, KK	Science of Sports Training: A Comprehensive Approach	Sports Publications, New Delhi	2011
214.	Swami Anubhavananda & Arya Kumar	Ethics in Management - Insights from Ancient Indian Wisdom 2nd Edition	ANE Books Pvt Ltd	2014
215.	Leonard.S.Bobrow and Navneet Gupta	Foundation of Electrical Engineering: Asian Edition	Oxford University Press, New Delhi	2013
C. Books/Book chapter				
216.	Jagadeesh Anmala	Mixing and Bimolecular Reactions in Heterogeneous Porous Media Flows: Transport, Mixing and Reactions	LAP Lambert Academic Publishing, Germany	2010
217.	Jagadeesh Anmala	Rainfall-Runoff Modeling Using Artificial Neural Networks and Physically-based Model: Theory, Simulation, and Results	LAP Lambert Academic Publishing, Germany	2010
218.	D. Sriram, P. Yogeewari	Medicinal Chemistry	Pearson Education, II edition	2010
219.	A. Sajeli Begum, A. B. Ray, M. Sahai	Non-conventional Lignans: Coumarinolignans, Flavonolignans and Stibenolignans” Progress in the Chemistry of Organic Natural Products	Springer Wien NewYork	2010
220.	Nagesh Kumar, D, K.	Modeling for Flood Control and	M.K. Jha, Springer, The	2010

S.No.	Author	Title	Publisher	Year
	Srinivasa Raju and Falguni Baliarsingh	Management, in Natural and Anthropogenic Disasters: Vulnerability, Preparedness and Mitigation	Netherlands and Capital Publishing Company, New Delhi,	
221.	H.D. Mathur, N.C. Hien, N. Mithulananthan, D. Joshi, R.C. Bansal	Distributed Generation: A Power System Perspective" Chapter 22 in Handbook on Renewable Energy Technology	World Scientific Publishing Co., Singapore	2011
222.	Ashish K. Sharma and Navneet Gupta	MEMS Switches for RFApplications - A Review," Sensors and Biosensors, MEMS Technologies and its Applications, Second volume	Sensors & Transducers, Canada	2013
223.	Vishal Saxena, Manoj Kannan, Shilpi Garg	Genetic Engineering Techniques, Course BIO C418		213
224.	R N Saha, Garima Balwani, Vibhu	Transmucosal Drug Delivery: Role of Nanoparticulate Systems	Studium Press LLC, USA	2014

Other Publications

1. Babu, B.A. "Learning an enjoyable experience", PHENOMENON, Annual Magazine of Chemical Engineering Association, BITS, Pilani, pp. 4-5, 2005
2. Babu, B.A. "Electronics, Instrumentation, and Control (E&IC) in Chemical Engineering", IMAGE-2005, Annual Magazine of Instrumentation Forum, BITS, Pilani, pp. 23-24, 2005
3. Banerjee, S. and Nozaki, S. Chapter V, Few-electron Memory: Fabrication, Operations and Challenges, Handbook of Semiconductor Nanostructures and Nanodevices, Edited by A.A. Balandin and K.L. Wang, American Scientific Publishers, Los Angeles, 2005.
4. Banerjee, S. and Nozaki, S. Chapter V, Few-electron Memory: Fabrication, Operations and Challenges, in Handbook of Semiconductor Nanostructures and Nanodevices, Edited by A.A. Balandin and K.L. Wang, American Scientific Publishers, Los Angeles 2005
5. Bansal, R.C. Electric Vehicles in Handbook of Automotive Power Electronics and Motor Drive", Edited by Dr. Ali Emadi, CRC Press, May 2005
6. Bhat A.K. Between the Lines, Vol. 1, Feb. 2005
7. Bhat, A.K. Creativity and Entrepreneurship in Knowledge Era, Phoenix- (Interface), pp.1-3, 2005
8. Bhat, A.K. India vs China- some lessons in economic development, Money Matters, pp. 18-20, 2005
9. Dixit, M., and Prakash, N. 'Conflicts of Two Generations' in Magazine 'The Smart Manager', Apr-May, Vol. 4, pp 70, 2005
10. Giri, A.K. Determinants of Demand for Money in India, Issues in Financial Developments, Edited by S.K Sham Bhat, pp. 259-318, Serials publication, Delhi, 2005
11. Giri, A.K. Search for Stable Money Demand Function for India: A Cointegration Approach Studies in Macroeconomics and Welfare, Ed. by BB Bhattacharya and Arup Mitra, Academic Foundation, New Delhi, pp.143-170, 2005
12. Kole, P.L., and Saha, R.N. Rifapentine – A New Edge to Tuberculosis Therapy, www.pharmaarticles.net. 1st May 2005
13. Kumar, A. Reinventing Effective Leadership, In the book on HR Interventions in the Global Competitive Regime, Ed Charles Xavier, Adhikari C S, Murthy Ramana B V, Excels Books, 2005
14. Kumar, A. e- Banking - Emerging Challenges to Indian Banks, Economics and Finance Association Annual Issue on Money Matters 2005
15. Kumar, A. Entrepreneurial Opportunities in Knowledge Economy, Phoenix - Special Issue brought out by Management Association during INTERFACE 2005. Between the Lines, Monthly Newsletter of Management Group, April 2005
16. Kumar, A. Managing Change in the Financial Industry through Convergence, Between the Lines, Monthly Newsletter of Management Group, April, 2005

17. Kumar, A. Entrepreneurship Development for Employment of Youths, Between the Lines, Monthly Newsletter of Management Group, April 2005
 18. Kumar, A., and Dhyani, U. Nurturing an Entrepreneurship Culture through Academia, University News, Vol. 42, 2004
 19. Kumaran, V. and Chandran, S. Documentation as Tool to Improve Communication and Productivity in Pharmaceutical Manufacturing Industry; In, Communicating at Work: Shifting Paradigms and Emerging Trends, Eds. Raman M., Sharma S., Mishra B.; Jain Brothers, New Delhi, pp. 149-161, 2005
 20. Manjunath, U. and Pareek, R.P. "Issues and Challenges in the Use of Internet and Telecommunication Technology by Medical Professionals" in Communicating at Work-Shifting Paradigms and Emerging Trends" Raman, Sharma and Mishra (Eds) Jain Brothers, New Delhi, pp. 135-148, 2005
 21. Meenakshi, R. Securing Admission to Overseas Graduate Schools: Essentials of Standardized Tests, Phoneix-Interface2005 Souvenir, BITS, Pilani, pp. 50-54, 2005
 22. Meenakshi, R. Magnificent Machines in Masterly English Poetry, Image 2005, Instrumentation Forum Magazine, BITS, Pilani, pp.59-62, 2005
 23. Meenakshi, R. Another New Year Resolution, Poem, Musings- Vol. IV, BITS, Pilani, pp.36, 2005
 24. Mishra, B. Bahut Talkh Thi Tumhe--- a poem in Hindi, Vani, BITS, Pilani, 2005
 25. Mishra, B. Divine Blessings –a poem in English, "Musings", 2005
 26. Mishra, B. A Comparative Study of Death-wish in the poems of John Keats and Emily Dickinson. Studies in Literature in English, Vol.-X. APD Delhi 2005.pp. 59-69, 2005
 27. Mishra, B. Significance of Silence and Pauses in Communication at work: Shifting Paradigms and Emerging Trends. Delhi. Jain Brothers, pp-239-246, 2005
 28. Mishra, B. Unanswered Question –a poem in English, TISTA, Vol.1.Ed. Jaydeep Sarangi. Feb.2005
 29. Nagappa, A.N. Future Prospects for Treatment of Pulmonary Fibrosis, PhramaBizCom, Oct 17,2004, Vol. 228, 2004
 30. Nagappa, A.N. Future Prospects for Treatment of Pulmonary Fibrosis, Phrama Biz .Com, Oct 17,2004, Vol. 228, 2004
 31. Prakash, N. Relevance of Social Science Concepts to Health Systems: Eualgesic State Management, In the book Pain Updated - Mechanisms and Effect, Edited by Rashmi Mathur, Anamaya Publishers, New Delhi, pp. 280-286, 2006
 32. Rout, L. Overcoming Communication Barrier to resolve Team Conflict. Published in Book Titled: Communicating at Work: Shifting Paradigms and Emerging Trends. Edited by: M. Raman, S. Sharma & B. Mishra Publisher: M/S Jain Brothers, New Delhi, pp.75-94, 2005
 33. Saha, R.N. Strong Industry – University Linkage: Necessity for Indian Pharma Industries to Exploit IPR in the book entitled Intellectual Property Rights: Issues and Challenges in Pharmaceutical Industries, Neeta Press, New Delhi, pp. 96-106, 2005
 34. Sarkar, A.K. Integrated Rural Accessibility Planning: Application in Rajasthan (India); RATP No. 12, International Labour Organization, 2005
 35. Sharma, S. Stark Reality in Musings Vol. IV, pp. 26, 2005
 36. Sharma, S. Scaling the Inner Parnassus: Unlocking the Creativity, pp 21-22, Phoenix, Souvenir, 2005
-

LECTURE NOTES PREPARED BY EDUCATIONAL DEVELOPMENT DIVISION

S.No.	Course No.	Course Title	Title of Notes	Author(s)/Editor(s)
	AAOC C212	Social Engineering II	Principles of Economics	V.P. Rao
	AAOC C312	Operations Research	Operations Research	S.Venkateswaran and others
	AAOC C322	Systems	Mode of Engg Systems by Bond Graph	R. Gupta
	AAOC C341	Numerical Analysis	An Introduction to Numerical Analysis	Devi Prasad
	AAOC C351	Instru Methods of Anal	Laboratory Manual for Instrumental Methods of Analysis	R. Mahesh and others
	BIO C241	Microbiology	Laboratory Manual for Microbiology	Saby John, S. Ramachandran
	PHA C241	Biophysics	Aspects of Biophysics	S.P. Gupta
	BIO C331	Biophysical Chemistry	Biophysical Chemistry	Nelashish Nandi
	BIO C331 & CHEM C341	Microbiology	Laboratory Manual for Microbiology	Y. Shivaji, S.K. Verma, U. Roy
	BIO C341/ PHA C452	Genetic Engineering	Laboratory Manual for Genetic Engineering	Suman Kapur, A.K. Das
	BIO C414	Membrane Liposome Technique	Liposome Technology	V.N. Sharma
	BIO G631	Plant Cell and Tissue Culture Technology	Laboratory Manual for Plant Cell and Tissue Culture Technology	Jitendra Panwar, Rajesh Mehrotra, K. Krithika
	BIO G 641	Experimental Techniques	Laboratory Manual for Experimental Techniques	Vishal Saxena and Others
	BIO G 642	Negotiation Skills and Techniques	Negotiation Skills and Techniques	Bhaskar Bose, S. Anitha
	BITS C319	Services Management System	Introduction to Outsourcing BPO and KPO	Usha Manjunath
	BITS C488	Object Oriented Programming	An Introduction to Object Oriented Programming	K.R.V. Subramanian
	MBA C488	Professional Practice	Professional Practice (Supp. Notes)	Krishna Mohan and others
	BITS G512	Comp. Base Simulation & Modelling	Comp. base Simulation & Modelling	K.R.V. Subramanian
	BITS G619	Technical Communication	Technical Communication	Meenakshi Raman and others
	BITS G624	Function & Work Stock Exchange	Stock Exchanges in India	H.R. Machiraju
	BITS G659	Environmental Conservation	Environmental Conservation	S.K. Singh and others
	CDP C323	Heat Transfer Operations/ Selected Chemical Engineering Operations/ Process Control	Chemical Engineering Lab. Manual	R.K. Gupta
	CE G531	Heat Transfer Operations/ Process Control/ Selected Chemical Engineering Operations	Chemical Engineering Laboratory Manual	B.V. Babu and Others
	CHE C351/ CHE C341/ CHE 441	Process Control	Process Control	R.P. Vaid
	CHE C351/ CHE C441/ CHE C431	Advanced Process Control	Advanced Process Control	H. K. Mohanta & Others
	CHE C441	Process Plant Simulation	Process Plant Simulation	B. V. Babu & Others
	CHE C473	Environmental Management System	Environmental Management System	B.V. Babu, S.D. Manjare
	CHE G541			
	CHE G513			

S.No. Course No.	Course Title	Title of Notes	Author(s)/Editor(s)
CHE G541	Process Plant Simulation	Process Plant Simulation	B.V. Babu
CHE G551	Fluidisation Engineering	Advanced Separation Techniques	R.K. Gupta and others
CS C321	Computer & Programming	Assembly Language Programming for MC68030 Based Computers	K.R.V. Subramanian
CS C331	Computer Organisation	Digital Systems Design	P.S.V.S.K. Raju
CS/EEE/ INSTR C391	Digital Electronics & Computer Organization	Lab Manual for Digital Electronics & Computer Organization	G. Raghurama, S. Gurunayanan
DE G611	Dynamics and Vibration	Advanced Dynamics for Engg.	N.N. Sharma
EA C411	Robotics	Robotics & Control	I.J. Nagarath, R.K. Mittal
EA C415	Introduction to MEMS	Introduction to MEMS NNMDC	N.N. Sharma
EA C421	Genetic Engineering	Genetic Engineering: A Lab. Manual	Utpal Roy and others
EA C422	Fibre Optics and Optoelectronics	Fibre Optics and Optoelectronics	R.P. Khare
EA C451	Internetworking Technology	Internetworking Technology	Rahul Banerjee
EA C452	Mobile Telecom. Networks	Mobile Telecom. Networks	J. Garrell
EA C463	Neural Networks & Appl.	Neural Networks & Application	L. Behera
EA C476	Power Apparatus and Networks	Laboratory Manual for Simulation Experiments on Power Apparatus and Networks	S. Roy
EA C482	Fuzzy logic & Appl.	Introduction to Fuzzy sets & Fuzzy logic	M. Ganesh
ECON C312	Money Bank & Inter Trade	Monetary Economics	G.P. Avasthi
ECON C321	Macroeconomics	Macroeconomics (Concept Methods & Models)	G.P. Avasthi
EEE C364/ INSTR C364	Analog Electronics	Analog Electronics	L.K. Maheshwari
EEE C371	EM Energy Conversion	Electric Machines-Lab. Manual	I.J. Nagrath
EEE C372	Circuits and Signals	Signals and Systems (Pts I & II)	I.J. Nagrath
EEE C382	Communication Systems	Laboratory Manual for Comm. Sys.	S. Balasubramanian and others
EEE C383	Communication Systems	Lab Manual for Communication Systems	S. Balasubramanian and others
EEE C391	Digital Electronics & Computer Orga.	Digital Electronics & Computer Orga.	G. Raghurama
EEE C391	Digital Electronics & Computer Orga.	Introduction to Computer Org. (Supp. Notes)	G. Raghurama, TSB Sudarshan
EEE C415	Digital Signal Processing	Laboratory Manual for Digital Signal Processing	Shikha Tripathi and Others
EEE C433/ EEEG581	EM Field & Waves, RF & Microwaves	Smith Charts	Hema Singh
EEE G 542	Power Electronics Converters	Laboratory Manual of Power Electronics	H.V. Manjunath Dheerendra Singh
EEE G 546	Systems Simulation Laboratory	Laboratory Manual for Power Electronic Systems Simulation on PSCAD/EMTDC	S. Roy
EEE G581	RF & Microwaves	Microwave Experiments	S. Balasubramanian and others
EEE G581	RF and Microwave Engineering	Laboratory Manual for RF and Microwave Engineering	S. Balasubramanian, Hema Singh
ENGG C212	Introduction to Systems	An Introduction to Systems	I.J. Nagrath and others
ENGL C121	English Lang. Skills I	Developing English Language Skills	Krishna Mohan et. Al
ENGL C342	Science Writings	Science Writings	M. Banerji
ENGL C353	Effective Public Speaking	Effective Public Speaking	Pushplata, Meenakshi Raman
ES C112	Thermodynamics	Thermodynamics Tables, Figures and Charts	Adopted from Book
ES C222	Energy Conversion	Basic Electrical Engineering	I.J. Nagrath
ES C241	Electrical Sciences-I	Basics of PSPICE (Suppl. Notes)	M.M.S. Anand

S.No. Course No.	Course Title	Title of Notes	Author(s)/Editor(s)
ES C241	Electrical Science I	Sinusoidal Forcing Function Response and Rectifiers	M.M.S Anand
ES C252	Electronics	Electronics – Analog & Digital	I.J. Nagrath
ES C263	Microprocessor Programming and Interfacing	Laboratory Manual for Microprocessor Programming and Interfacing	J.P. Mishra, S. Mohan, S. Gurunarayanan
ET C311	Selected Technologies	Selected Technologies	Jessil A.C.
ET C312	Tech. and Energy Assessment	Energy Efficiency and DSM application for Indian Industry	M. Ramachandran
FIN C311	Merchant Banking	Merchant Banking (Principles & Practice)	H.R. Machiraju
FIN C322	Project Finance	Project Finance	H.R. Machiraju
HSS C 313	Critical Analysis of Literature and Cinema	Introduction to Film Appreciation	Geetha B.
HSS C314	Print and Audio Visual Advertising	Print and Audio-Visual Advertising	Sangeeta Sharma
HUM C321	App of Indian Music	An Approach to Sangeet	R. Roy
HUM C341	Comp. Indian Literature	Comp. Indian Literature	S. Mitra and others
HUM C342	Graphic Art	Graphic Arts	A.P. Rastogi
HUM C382	Sankara's Thoughts	Sankara's Thoughts	S.D. Mishra
INSTR C312	Industrial Instrumentation & Control	Process Control – Issue and Application	Surekha Bhanot
INSTR C354	Instrumentation Technology	Electronics Instruments & Instr. Tech.	M.M.S. Anand and others
INSTR C355	Electronics Instruments & Instrumentation Technology	Experiments in Instrumentation (Lab. Manual)	M.M.S. Anand, Rajesh Purohit
INSTR C381	Transducers and Measurement Systems	Measurement Science- Concepts and Applications Vol. I and II	Surekha Bhanot
INSTR C312	Industrial Instrumentation & Control	Process Control-Issues and Application Vol I & II	Surekha Bhanot
IS C472	Geographical Information System	Computing Aspects of Geographical information system	Rajiv Gupta
MATH C121	Finite Mathematics	Topics in Finite Maths	J.C. Pant
MATH C131	Calculus	Calculus (Supplementary notes)	R.K. Patnaik
MATH C151	Linear Algebra	Supp. Notes to Linear Algebra	V. Krishnamurthy and others
MATH C211	Complex Variable	Laplace Transform	V.P. Mainra, B. Singh
ME C331	Transport Phenomena II	Transport Phenomena II Lab. Manual	R.K. Mittal
ME C331	Transport Phenomena-II	Data Book for Heat Transfer Applications (Supplementary Notes) Part I & II	M. Srinivas R.K. Mittal
ME C332	Steam & Gas Turbine	Steam & Gas Turbine	G. Singh
ME C332	Prime Movers and Fluid Machines	Laboratory Manual for Prime Movers and Fluid Machines	S.S. Deshmukh M.S. Soni
ME C342	Production Techniques	Lab. Manual for Production Technique	G. Harinarayana
MEL G631	Physics and Modelling of Microelectronics devices	Lab. Manual for MOSFET characterization	Anu Gupta
MF C314/ MFC 313	Metal forming & Machining	Metal Forming & Machining Lab Manual	P. Srinivas & A. digalwar
MSE G531	Concurrent Engineering History & Dev of Museums	Concurrent Engineering	K.S. Sangwan
MSMS C311	History & Dev of Museums	History & Dev of Museums	P. Mandke
MSMS C312	Museum Management	Museum Management	P. Mandke and others
MSMS C321	Exhibits & Presentation	Exhibits & Presentation	M.K. Kashiramka
MSMS C322	Profess Skills & Tech I	Profess Skills & Tech I	S. Kundu
MSMS C331	Museum Edu & Ext Services	Museum Edu & Ext Services	S. Kundu
MST G511	Nondestructive Testing Techniques	Nondestructive Testing Techniques	Ravi Pakash

S.No. Course No.	Course Title	Title of Notes	Author(s)/Editor(s)
PHIL C221	Symbolic Logic	Intro to Symbolic Logic	B.K. Neema
SOC C211	Dyna. Of Social Change	Dynamics of Social Change	N. Prakash and others
STD C312	Science Communication	Science Communication	M. Banerji
STD C322	R&D Management	Management of R&D (Supp. Notes) (Jan. 95)	T.S.K.V. Iyer
TA C111	Engg. Graphics	Engg. Graphics & CAD	A.P. Rastogi and others
TA C111	Engineering Graphics	Engineering Graphics with AUTOCAD	D.M. Kulkarni, A.K. Sarkar
TA C112	Workshop Practice	Manual Workshop Practice	G. Harinarayana
TA C112	Workshop Practice	Elements of Manufacturing Process	B.S.N. Parashar and others
TA C112	Workshop Practice	Workshop Practice (Suppl. Notes)	B.S.N. Parashar and others
TA C112	Workshop Practice	Practical Manual for Workshop Practice	R.K. Mittal, B.K. Rout
TA C112	Workshop Practice	Practical Manual for Workshop Practice	K.S. Sangwan and others
TA C152	Computer Programming I	Introduction to Comp. UNIX Algo. & Flowchart	Usha V. Subramanian and others
TA C162	Computer Programming I	Computer Fundamentals	Usha V. Subramanian
TA C211	Measurement Techniques I	Measurement Tech. I	Bioscience Faculty
TA C211	Measurement Techniques I	Measurement Tech. I	Chemistry Faculty
TA C211	Measurement Techniques I	Laboratory Manual for Chemistry Measurement Techniques I	Chemistry Group Faculty
TA C211	Measurement Techniques I	Measurement Tech. I	Physics Faculty
TA C211	Measurement Techniques I (Physics)	Measurement Techniques I (Physics) Observations and Results	Physics Group Faculty
TA C211	Measurement Techniques I	Laboratory Manual for Physics Measurement Techniques I: Observations and Results	Physics Group Faculty
TA C 211	Measurement Techniques I	Laboratory Manual for Physics Measurement Techniques I: Theory	Physics Group Faculty
TA C211	Measurement Technique-I	Lab Manual for Physics MT- I Observations and Results	Suresh Ramaswamy and others
TA C222	Measurement Techniques – II	A Lab. Manual for Measurement Techniques-II	K.E. Raman and others
TA C222	Measurement Techniques-II	Measurement Techniques-II (Supplementary Notes)	A. Sarkar & others
TA C222	Measurement Techniques-II	Measurement Techniques-II (Supplementary Notes)	A. Sarkar and others
TA C231	Business Communication	Business Communication	M. Raman and others
TAC 211	Measurement Technique-I	Lab Manual for Physics MT-I	Suresh Ramaswamy and others
TOC C215	Language Lab Practice	Language Lab Practice Lab Manual Office Practices	Devika Sangwan
	Office Practices	Lectures Notes for Work-integrated Trade Certificate Training Programme	M.M.S. Anand

SENIOR OFFICERS AT PILANI CAMPUS

University Wide:

- Vice-Chancellor:** Prof. Bijendra Nath Jain
- Registrar:** Prof. M.M.S. Anand
- Chief Financial Officer:** Mr. Manoj Fitkariwala
- Chief Research & Development Officer:** Mr. S.N. Zindal
- Dean, Academic Research (Ph.D. Programme):** Prof. Sanjay Kumar Verma
- Dean, Academic and Resource Planning:** Prof. S. Balasubramaniam
- Dean, Admissions:** Prof. Ajit Pratap Singh
- Dean, Faculty Affairs:** Prof. R. Mahesh
- Dean, Work Integrated Learning Programmes:** Prof. S. Gurunarayanan

Campus Wide:

- Director:** Prof. G. Raghurama
- Dean, Administration:** Prof. S.C. Sivasubramanian
- Dean, Academic Registration & Counselling:** Prof. Niti Nipun Sharma
- Dean, Instruction:** Prof. Ajit Pratap Singh
- Dean, Student Welfare:** Prof. Arya Kumar
- Associate Dean, Academic and Resource Planning:** Prof. Hitesh Datt Mathur
- Associate Dean, Academic Registration and Counselling:** Prof. Bijay Kumar Rout
- Associate Dean, Academic Research:** Prof. Hemant Ramanlal Jadhav
- Associate Dean, Admissions:** Prof. Hari Om Bansal
- Associate Dean, Faculty Affairs:** Prof. Anshuman Dalvi
- Associate Dean, Instruction:** Prof. Srikanta Routroy
- Associate Dean, International Programmes and Collaboration:** Prof. Dalip Kumar
- Associate Dean, Practice School:** Prof. P. Srinivasan (*Pilani Campus*)
- Associate Dean, Practice School:** Prof. (Ms.) S. Sindhu (*Off-campus Centre at Bangalore*)
- Associate Dean, Work Integrated Learning Programmes:** Shri K. Venkatasubramanian (*Pilani Campus*)
- Associate Dean, Work Integrated Learning Programmes:** Prof. Anil Kumar (*Pilani Campus*)
- Associate Dean, Work Integrated Learning Programmes:** Prof. G. Venkiteswaran
(*Off-campus Centre at Chennai*)

UNIT CHIEFS

<u>UNIT</u>	<u>NAME</u>
1. Centralised Purchases	Prof. N.V. Muralidhar Rao
2. Computer Assisted Housekeeping	Prof. S.C. Sivasubramanian
3. Estate Management	Dr. Anshuman
4. General Administration	Prof. M.M.S. Anand
5. Information Processing Centre	Prof. Janardan Prasad Misra
6. Instrumentation	Prof. Surekha Bhanot
7. Placement	Prof. Mani Sankar Dasgupta
8. Publications & Media Relations	Shri Giridhar M. Kunkur (<i>Officiating</i>)
9. Software Development & Educational Technology	Prof. Rahul Banerjee

HEADS OF DEPARTMENTS

<u>DEPARTMENT</u>	<u>NAME</u>
1. Biological Sciences	Dr. Rajesh Mehrotra
2. Chemical Engineering	Dr. Suresh Gupta
3. Chemistry	Prof. Anil Kumar
4. Civil Engineering	Prof. Manoj Kumar
5. Computer Science & Information Systems	Prof. Rahul Banerjee
6. Economics & Finance	Dr. Arvind Sudarsan
7. Electrical & Electronics Engineering & Instrumentation	Prof. Anu Gupta
8. Humanities & Social Sciences	Prof. Geetha B
9. Management	Prof. Anil Kumar Bhat
10. Mathematics	Prof. Dilip Kumar Maiti
11. Mechanical Engineering	Prof. Sai Jagan Mohan
12. Pharmacy	Dr. S. Murugesan
13. Physics	Prof. Debi Datt Pant

FACULTY-IN-CHARGE/OFFICIAL

<u>CENTRE/SECTION/ENTITY</u>	<u>NAME</u>
1. Medical Centre	Dr. R.P. Pareek (Medical Superintendent)
2. Accounts & Finance Section	Shri Satyen Sharma (Head)
3. Transport Services Section	Dr. Abhijit K. Digalwar (Faculty-in-charge)
4. Workshop	Prof. Kuldip Singh Sangwan (Faculty-in-charge)
5. Library	Shri Giridhar M. Kunkur (Librarian)
6. Reprography Section	Dr. Virendra Singh Nirban (Faculty-in-charge)
7. Publicity and Branding	Dr. Gajendra Singh Chauhan (Faculty-in-charge)
8. Pay Roll Processing (CAHU)	Dr. Yashvardhan Sharma (Faculty-in-charge)
9. Entrepreneurship Development	Dr. Jyoti (Faculty-in-charge)
10. Projection Systems and Instrumentation Services (IU)	Dr. Karunesh Kumar Gupta (Faculty-in-charge)
11. Admission Tests and Services (ADMD)	Prof. Hari Om Bansal (Faculty-in-charge)
12. Educational Technology Support (SDETU)	Dr. Virendra Singh Shekhawat (Faculty-in-charge)
13. Infant Care Center	Prof. Poonam Goyal (Faculty-in-charge)
14. Societal Development	Prof. Sangeeta Sharma (Faculty-in-charge)
15. Institute Functions	Dr. Sarvesh Satija (Faculty-in-charge)

CHIEF WARDEN

Prof. Sai Jagan Mohan

WARDENS

<u>BHAWAN</u>	<u>NAME</u>
1. Ashok & Bhagirath	Dr. Rajesh Prasad Mishra
2. Budh & Malaviya	Dr. Dipendu Bhunia
3. Gandhi & Krishna	Dr. Amit Kumar Verma
4. Meera	Prof. (Ms.) Surekha Bhanot
	Prof. (Ms.) Kusum Lata
5. Rana Pratap	Dr. R. Raghunathan
6. Shankar	Dr. Arun Kumar Jalan
7. Srinivasa Ramanujan	Dr. Virendra Singh Shekhawat
8. Vishwakarma	Mr. Jitendra Singh Rathore
9. Vyas	Prof. Sai Jagan Mohan

NON-RESIDENT WARDENS

<u>BHAWAN</u>	<u>NAME</u>
1. Ashok	Dr. Anshuman Dalvi
2. Bhagirath	Dr. Abhijeet K. Digalwar
3. Day Scholars	Dr. Ravi Kant Mittal
4. Gandhi	Dr. Manojkumar Surajkaranji Soni
5. Krishna	Dr. Sheth Pratik Nitinchandra
6. Malaviya	Dr. Navneet Gupta
	Dr. Suresh Gupta
	Dr. Paritosh Shukla
7. Meera	Prof. (Ms.) Poonam Goyal
8. Shankar	Prof. Jitendra Panwar
9. Vishwakarma	Dr. Virendra Singh Nirban
10. Vyas	Dr. Yashvardhan Sharma

LIBRARIAN

Shri Giridhar M. Kunkur

HEAD, ACCOUNTS & FINANCE

Shri Satyen Sharma

BITS Pilani

annual report 2014

Part B2: K.K. Birla Goa Campus

CONTENTS

	Page No.
B2.1 Senior officers, New appointments	B2: 1
B2.2 Admissions made	B2: 1
B2.3 Dual degrees and Transfers	B2: 1
B2.4 Academic calendar	B2: 1
B2.5 Courses offered	B2: 1-2
B2.6 Registration of students	B2: 2
B2.7 Academic and Professional counseling	B2: 2-3
B2.8 Award of Degrees and Medals	B2: 3
B2.9 Campus Interviews and Placement	B2: 4
B2.10 Department-wise reports	B2: 4-56
B2.11 Division/Unit/Center-wise activity highlights	B2: 57-76
B2.12 Central facilities report	B2: 76-81
B2.13 Major maintenance, renovations or new construction reports	B2: 81
B2.14 Major equipments acquired during the year	B2: 81-84
B2.15 Students Activities, Achievements, Scholarships, Cultural and academic festivals	B2: 84

BITS PILANI - KK BIRLA GOA CAMPUS

B2.1 SENIOR OFFICERS

1. Prof. K. E. Raman (Acting Director)

New appointments

During the year, the following new administrative appointments were made:

1. Dean .

The names and designations of senior officers of Goa Campus are given in 'Annexure B2-1'.

B2.2 ADMISSIONS

The number of students admitted in each of the semester is given below.

	Integrated First Degree Programmes	Higher Degree Programmes	Doctoral Programmes (PhD)	Total
Second Semester 2013-2014	-	-	FT - 15(04) PT – 09 (02)	24(06)
First Semester 2014-2015	617(71)	33(10)	FT - 05(02) PT – 09(03)	664(86)

The programme-wise details are given in Annexure B2-2 (Part B2).

B2.3 DUAL DEGREES AND TRANSFERS

(a) Dual Degree

During the Academic year 2013-2014, 193 students were permitted to work concurrently for two first degrees under the Dual Degree scheme. See Annexure B2-3 (Part B2) for details

(b) Transfer

During the Academic year 2013-2014, 13 students ((i) Within same tier : 9; (ii) Integrated First Degree to Higher Degree : 2, (iii) Higher Degree to Ph.D.: 0) was permitted to transfer.

B2.4 ACADEMIC CALENDAR

The Academic year of the Institute is divided into two semesters and a summer term.

	Starting Date	Ending date	Number of instruction days (excluding examination days)
Second Semester 2013-2014	13 Jan 14	16 May 14	75
First Semester 2014-2015	1 Aug 14	13 Dec 14	85
Summer Term 2013-2014	23 May 14	18 July 14	49

B2.5 COURSES OFFERED

The number of courses, offered during the year 2013 is as follows:

	Number of Courses offered
Second Semester 2013-2014	381
First Semester 2014-2015	334
Summer Term 2013-2014	1

During the year, the following new courses were introduced.

Sr.No	Comp code	Course No	Course Title
1	1433	BIO F417	BIOMOLECULAR MODELING
2	1436	BIO F421	ENZYMOLGY
3	111	BIO G515	STEM CELL & REGENER BIO
4	2016	BIO G612	HUMAN GENETICS
5	2019	BIO G671	BIOCONVERSION TECHNOLOGY
6	1768	BITS C419	MANAGEMENT OF CROSS CULTURAL ENGINEERING TEAMS
7	1808	BITS F416	INTRO TO NANO SCIENCE
8	1809	BITS F417	MICRO-FLUIDICS & ITS APP
9	1593	BITS F421T	THESIS
10	70	CHE G512	PETRO REFIN & PETROCHEM
11	79	CHE G513	ENVIR MANAGEMENT SYSTEMS
12	847	CHE G522	POLYMER TECHNOLOGY
13	20	CHE G523	MATH METHODS IN CHEM ENG
14	20	CHE G523	MATH METHODS IN CHEM ENG
15	2080	CHE G524	INTRO TO MULTIPHASE FLOW
16	2082	CHE G526	NUCLEAR ENGINEERING
17	2082	CHE G526	NUCLEAR ENGINEERING
18	2084	CHE G528	INTO TO NANO SCI & TECH
19	2032	CHE G622	ADV CHEMICAL ENGG THERMO
20	729	CHE G641	REACTION ENGINEERING
21	1572	CHEM F325	POLYMER CHEMISTRY
22	918	CS G553	RECONFIGURABLE COMPUTING
23	1262	EEE F427	ELEC POWER UTIL & ILLUM
24	1881	MATH F444	NUMERICAL SOL OF ODE
25	1418	MF F421	SUPPLY CHAIN MANAGEMENT
26	2066	MST G522	ADVANCED COMPOSITES

B2.6 REGISTRATION OF STUDENTS

The registration processes for both the semesters was completed on the first day of each semester.

	Number of students registered
Second Semester 2013-2014	2784
First Semester 2014-2015	2816
Summer Term 2013-2014	563

Details of Registration of students for the First Semester 2013-2014 are given in Annexure B2-4.

B2.7 ACADEMIC AND PROFESSIONAL COUNSELING

During the year, the Academic Counseling Board (ACB), estimated the extent to which students under its purview fell short of the minimum academic performance, drew up a time-frame within which afflictions were to be removed, determined the package of courses for their registration in each semester and laid down the

necessary stipulations for achieving intermediate targets. It further monitored their progress and applied necessary mid-course corrections, wherever required. The statistical summary of the number of On-campus students under its purview during the year is given below:

		II Semester 2013-2014	I Semester 2014-2015
1.	Total number of students under the purview of ACB at the beginning of the semester	75	50
2.	No. of students declared out of its purview at the end of the semester	32	17
3.	No. of students who left the Institute during the semester	5	1
4.	No. of new students who came under the purview of ACB at the end of the semester	12	77
5.	Total No. of students under the purview of ACB during the next semester	50	108

Academic Counseling cell organized the counseling of students who were under the purview of ACB. It involved the involvement of faculty members as advisors and an external professional counselor whom the students could consult. The parents of students were also called to interact with the ACB.

B2.8 AWARD OF DEGREES AND MEDALS

(a) Award of Degrees

During the year, a total of 871 students graduated. The details on the award of degrees are given below.

	Number of degrees awarded
74 th Award (vide Board of Governors meeting) 74.1 held on 24.10.13 74.2 held on 24.10.13 74.3 held on 1.3.14 74.4 held on 3.3.14	3(2) 1(0) 43(1) 7(1)
75 th Award (vide Board of Governors meeting) 75.1 held on 6.7.14 75.2 held on 6.7.14	791(185) 3(2)
76 th Award 76.1 76.2 76.1, 76.2 (subject to approval from vide Board of Governors meeting in its next meeting)	20(1) 3(1)
Total:	871(193)

Statistical details of these degrees are given in 'Annexure B2-5, Annexure B2-6'

(b) Award of Medals

For Academic Year 2013-2014

The list of students who were awarded various medals, for the students graduated at the end of First Semester, Second Semester and Summer Term of the academic year 2013-2014 in the following table:

S.No.	ID.No.	Name	Sex	CGPA Obtained	Position Obtained	Type of Medal to be Awarded
Integrated First Degree Programmes (No. of students: 602)						
1	2010A3PS060G	NAMITA PAUL	F	9.89	DISTINCTION	GOLD
2	2010A4TS472G	BAPAT SHOUNAK VINAYAK	M	9.88	DISTINCTION	SILVER
3	2010A7PS334G	RAUL AMEYA RAVINDRA	M	9.69	DISTINCTION	BRONZE

B2. 9 CAMPUS INTERVIEWS AND PLACEMENT**SEMESTER II, 2013-2014**

Number of companies which conducted campus interviews	67
No of interviews	318
No of offers made	345

SEMESTER I, 2014-2015

Number of companies which conducted campus interviews	55
No of interviews	237
No of offers made	196

The statistics (discipline-wise) and the list of organizations which conducted campus interviews during the year is given in Annexure B2-7 (Part B2).

B2.10 DEPARTMENT-WISE REPORT

In the following pages, a brief summary of the main activities and achievements of different departments of the campus is highlighted.

B2.10.1 Department: Biological sciences

Number of faculty members (as on 31 December 2014):: **16**

Senior Professors, Professors	00
Associate Professors	05
Assistant Professors	11
Lecturers	00
Visiting Faculty	01

Head of the Department: Dr. Meenal Kowshik .

Contact details (email): meenal@goa.bits-pilani.ac.in

Number of PhD Scholars: 35

Number of Project Fellows : 4

Ph.D. Thesis awarded during the year: 02

- Ms. Vidya Prabhudesai defended her Ph.D thesis "Anaerobic digestion of food waste in a horizontal plug flow reactor". She carried out her work under Prof. Srikanth Mutnuri.

Ph.D. Thesis Submitted during the year: 02

- Mr.Chandrasekhar Chanda submitted his Ph.D thesis titled Studies on Anticoagulant Toxins from Indian Cobra Venoms. He worked under the supervision of Prof. Dibakar Chakrabarty.

A. Sponsored Research activities:**(i) Ongoing projects: 17**

- Anasuya Ganguly, CSIR, Role of environmental toxins in kidney related diseases of Canacona Taluka, Goa :10 lacs.
- Anasuya Ganguly, Tissue engineering of human placental stem cells into a functional pancreas, DST :22.14 lacs .
- Dibakar Chackrabarty, Studies on anticoagulant platelet aggregation inhibitors from Indian cobra and viper venoms, DBT. Rs.15,00,000.
- Vijayashree Nayak, Study on EMT regulation through TGF β /SMADs in gall bladder disease, DST SERB, Rs .37,90,000
- Arnab Banerjee, Regulation of hypothalamic gonadotropin , SERC, New Delhi. 3 years . SERC, New Delhi .

6. Indrani Talukdar, Alternative splicing in signal transduction and disease: A genome wide approach, DST-FT DST-FT, Rs. 20,00,000.
7. Kundan Kumar , Identification and characterization of abiotic stress responsive With NoLysine (WNL) kinase in rice (*Oryza sativa* L.) DST-FT . 3 years . Rs .22,65,000 .
8. Malabika Biswas , Cloning and characterization of the promoters , 3 years . BRNS . Rs.23,99,719
9. Veeky Baths , Protein-ranking and novel intervention strategies against mycobacterium tuberculosis using graph theory and bioinformatics resources , 3 years . DST-FT . Rs. 8,60,000
10. Sumit Biswas , Studies on Putative GGEEF/Sensory Box Domain Protein of *Vibrio Cholerae* , 3 years .DST Rs 21,80,000 .
11. Sumit Biswas , Physicochemical characterization of the primary sigma factor of *Vibrio cholera* , 3 years . DBT . Rs.7,97,000.
12. Vijayashree Nayak , A new novel biodegradable polymer scaffold for cartilage tissue engineering . BRNS, DAE , 3 years Rs.23,34,700.
13. Kudan Kumarl ,entification and characterization of abiotic stress responsive With No Lysine (WNL) kinase in rice (*Oryza sativa* L.). Funding agency (Science & Engineering Research Board) under DST Fast Track scheme
14. Angshuman Sarkar ,Study the effect of quinacrine (QC) on Rho like small-GTPase and apoptosis in human lung and breast cancer cell line cultured in vitro. Funding Agency: DBT Cancer Biology Special Project.
15. Veeky Baths Protein Ranking and Novel Intervention Strategies against *Mycobacterium tuberculosis* using Graph Theory and Bioinformatics Resources. DST FASTTRACK SCHEME
16. Utpal Roy DST-Pilot project (SB/SO/HS-15/2013): Purification and characterization of a promising antifungal peptide (with special reference to *Candida albicans* and *Cryptococcus neoformans*) produced by a Wild-type *Bacillus* sp.
17. Nimali Prabhu, Magnetobatic bacteria: bioresource of nanomagnets, 27 lakhs, DST.

(ii) Projects sanctioned during the year: 08

1. Utpal Roy.DST-WOS Sponsored “Microbial Diversity and Biotechnological Potentials of selected polar microorganisms”
2. Utpal Roy DST-Pilot project (SB/SO/HS-15/2013): Purification and characterization of a promising antifungal peptide (with special reference to *Candida albicans* and *Cryptococcus neoformans*) produced by a Wild-type *Bacillus* sp.
3. Indrani Talukadar A pilot project grant for young investigators, titled as “Studies of the effects of quinacrine (QC) on regulation of Rho like small-GTPase and apoptosis in human lung and breast cancer cell lines cultured in vitro”, has been awarded for funding (as a co-PI), by the ‘Dept. of Biotechnology’ India, 2014.
4. Vijayashree Nayak Projects approved during the year: 2014(1) TGF β signaling pathway in gall bladder cancer, DST,
5. Dibakar Chakrabarty Anticoagulant and Platelet Aggregation Inhibitors from Indian Cobra Venoms [BT/PR5713/BRB/10/1112/2012]” funded 36.544 Lacs by DBT To Dibakar Chakrabarty, Angshuman Sarkar and Sukanta Mondal.
6. Arnab Banerjee, Role of polyamine in delayed embryonic development in the Indian fruit bat, *Cynopterus sphinx* . UGC startup grant, 2 years. Rs. 5,94,000
7. Srikanth Mutnuri, Empowered septic tank as decentralized wastewater treatment system” funded by DBT BIRAC Bill & Mellinda Gates foundation
8. Angshuman Sarkar , Study the effect of quinacrine (QC) on Rho like small-GTPase and apoptosis in human lung and breast cancer cell line cultured in vitro, DBT, 27 lakhs.

(iii) Projects completed this year: 03

1. Utpal Roy Biochemical and genetic characterization of antimicrobial (Candidacidal) Peptides Produced by the strain *E. faecalis* APR 210”[39-205/2010 (SR)] sponsored by UGC
2. Vijayashree Nayak , Projects completed this year: 1 Association between *s.typhi* chronic infection and gall bladder cancer

3. Meenal Kowshik, Ministry of Earth Sciences, Biological Synthesis of Metal Sulfide and Metallic Nanoparticles Using Halophilic Archaeobacteria, 17 lakhs

B. Publications: 29

1. Veeky Baths, Tarkeshwar Singh and Anil Kumar. Disruption of Cell Wall Fatty Acid Biosynthesis in Mycobacterium tuberculosis Using the Concept of Minimum Robust Domination Energy of Graph. Annual Research & Review in Biology 4(12): 2037-2044, 2014
2. Kratarth Goel, Raunaq Vohra, Anant Kamath, and Veeky Baths. Home Automation Using SSVEP & Eye-Blink Detection Based Brain-Computer Interface. IEEE International Conference on Systems, Man, and Cybernetics (SMC2014 Accepted)
3. Vidhya Prabhudessai, Bhakti Salgaonkar, Judith M. Braganca and Srikanth Mutnuri (2014) Pre-treatment of Cottage Cheese to Enhance Biogas production. (2014) BioMed Research International. Hindawi Publishing Corporation.
4. Deepthi Das, B. B. Salgaonkar, K. Mani and Judith M. Braganca. (2014) Cadmium resistance in extremely halophilic archaeon Haloferax strain BBK2. Chemosphere Elsevier. Science Direct. 112:385-392.
5. Adit Chaudhary, Imran Pasha M., Bhakti B. Salgaonkar and Judith M. Braganca (2014) Cadmium Tolerance by Haloarchaeal Strains Isolated from Solar Salterns of Goa, India. International Journal of Bioscience, Biochemistry and Bioinformatics, Vol. 4, No.
6. Geethanjali Ravindran, Dibakar Chakrabarty and Angshuman Sarkar. Cadmium toxicity alters mRNA expression of Rho-like genes in A549 cell line. J. Cell and Mol. Biol.
7. Naik, Kshipra, and Meenal Kowshik. "Anti-biofilm efficacy of low temperature processed AgCl-TiO₂ nanocomposite coating." Materials Science and Engineering: C 34 (2014): 62-68
8. Srivastava, Pallavee, Judith M. Braganca, and Meenal Kowshik. "In vivo synthesis of selenium nanoparticles by Halococcus salifodinae BK18 and their anti-proliferative properties against HeLa cell line." Biotechnology Progress (2014) DOI: 10.1002/btpr.1992.
9. Naik, Kshipra, and Meenal Kowshik. "Anti-quorum sensing activity of AgCl-TiO₂ nanoparticles with potential use as active food packaging material." Journal of applied microbiology 117, no. 4 (2014): 972-983.
10. Jadalannagari, Sushma, Ketaki Deshmukh, Sutapa Roy Ramanan, and Meenal Kowshik. "Antimicrobial activity of hemocompatible silver doped hydroxyapatite nanoparticles synthesized by modified sol-gel technique." Applied Nanoscience4, no. 2 (2014): 133-141
11. Arunkarthick, S., M. M. Bijeesh, GEETHA K. VARIER, MEENAL KOWSHIK, and P. Nandakumar. "Laser scanning photothermal microscopy: fast detection and imaging of gold nanoparticles." Journal of microscopy (2014) DOI: 10.1111/jmi.12164.
12. Srivastava, Pallavee, Judith Braganca, Sutapa Roy Ramanan, and Meenal Kowshik. "Green Synthesis of Silver Nanoparticles by Haloarchaeon Halococcus salifodinae BK6." In Advanced Materials Research, vol. 938, pp. 236-241. 2014.
13. Naik, Kshipra, Amrita Chatterjee, Halan Prakash, and Meenal Kowshik. "Mesoporous TiO₂ Nanoparticles Containing Ag Ion with Excellent Antimicrobial Activity at Remarkable Low Silver Concentrations." Journal of biomedical nanotechnology 9, no. 4 (2013): 664-673.
14. Jadalannagari, Sushma, Ketaki Deshmukh, Sutapa Roy Ramanan, and Meenal Kowshik. "Antimicrobial activity of hemocompatible silver doped hydroxyapatite nanoparticles synthesized by modified sol-gel technique." Applied Nanoscience 4, no. 2 (2014): 133-141.
15. Kumar, K. Mosa, K.A. Chikara, S. Musante, C. White, J.C. and Dhankher, O.P. (2014) Two rice plasma membrane intrinsic proteins, OsPIP2;4 and OsPIP2;7 are involved in transport and providing tolerance to boron toxicity. Planta 239:187-198.
16. Chamarthi, S.K. Kumar, K. Gunnaiah, R. Kushalappa, A.C. Dion, Y. and Choo, T.M. (2014) Identification of fusarium head blight resistance related metabolites specific to doubled-haploid lines in barley. European Journal of Plant Pathology 138:67-78.
17. Ingh G, Dhole K, Pai PP, Mondal S*. (2014) SPRINGS: Prediction of Protein-Protein Interaction Sites Using Artificial Neural Networks. Journal of Proteomics and Computational Biology (accepted).
18. Mondal S*, Pai PP. (2014) Chou's pseudo amino acid composition improves sequence-based antifreeze protein prediction. J Theor Biol. doi: 10.1016/j.jtbi.2014.04.006.

19. Dhole K, Singh G, Pai PP, Mondal S*. (2014) Sequence-based prediction of protein-protein interaction sites with L1-logreg classifier. *J Theor Biol.* 348:47-54.[Featured on Global Medical Discovery as a Key Scientific Article contributing to excellence in biomedical research.
20. Banerjee Arnab, Anuradha, Mukherjee Kaustab, and Krishna Amitabh. 2014. Testicular glucose and its transporter GLUT 8 as a marker of Age-dependent variation and its role in steroidogenesis in mice.. *J Exp Zool.* DOI: 10.1002/jez.1881.
21. Jane Fenelon, Arnab Banerjee. Bruce D Murphy. 2014. Embryonic diapause: development on hold. *Int J Develop Biol.*58: 163 – 174.
22. Kabilan M, Chandrashekar Sivaraman, Bhakti Salgaonkar, Srikanth Mutnuri and Judith M. Braganca (2014). Comparison of bacterial diversity from solar salterns and a simulated laboratory study. *Ann Microbiol* DOI 10.1007/s13213-014-0944-6.
23. D-Glucose Derived Novel Gemini surfactants: Synthesis and Study of Their Surface Properties, DNA Binding, and Cytotoxicity, Vikash Kumar, Amrita Chatterjee, Nupur Kumar, Anasuya Ganguly, Indranil Chakraborty and Mainak Banerjee, *Carbohydrate Research*, 2014, 397, 37–45.
24. A PEGylated-Rhodamine based sensor for “turn-on” fluorimetric and colorimetric detection of Hg²⁺ ions in aqueous media Subhenjit Hazra, Shruti Balaji, Mainak Banerjee, Anasuya Ganguly, Narendra Nath Ghosh and Amrita Chatterjee, *Analytical Methods*, 2014, 6, 3784–3790.
25. Biodegradation of aliphatic hydrocarbons in the presence of hydroxylcurcubit[6]uril, Rajesh Pasumarthi, Vikash Kumar, Sivaraman Chandrasekharan, Anasuya Ganguly, Mainak Banerjee, Srikanth Mutnuri, *Mar. Pollut. Bull.*, 2014, In press (DOI: 10.1016/j.marpolbul.2014.09.012).
26. Dibakar Chakraborty and Chandrasekhar Chanda. Snake Venom Disintegrins in Snake Venoms (Springer Handbooks of Toxinology, ed. P. Gopalakrishnakone) (Accepted).
27. Kinome-wide Functional Analysis Highlights the Role of Cytoskeletal Remodeling in Somatic Cell Reprogramming. Sakurai K*, Talukdar I*, Patil VS*, Dang J, Li Z, Chang KY, Lu CC, Delorme-Walker V, Dermardirossian C, Anderson K, Hanein D, Yang CS, Wu D, Liu Y, Rana TM. *Cell Stem Cell.* 2014 Apr 3;14(4):523-34. doi: 10.1016/j.stem.2014.03.001.
28. A Broad-Spectrum Antimicrobial Activity of Bacillus subtilis RLID 12.1 (2014) Ramya Ramachandran, Ajay Ghosh Chalasani, Ram Lal, and Utpal Roy. *The Scientific World Journal.* 968487. doi:10.1155/2014/968487. PMID: PMC4144302
29. Geetesh K Mishra, Gautam Bacher, Utpal Roy, Sunil Bhand (2015) A label free impedemetric immunosensor for detection of Escherichia coli in water. *Chemical Sensors:5: 4.*[Published first online in September 2014]. *Antimicrobial Peptide AP02431.*

Patents:

1. Veeky Baths ,Patent Application No: 2643/DEL/2014 TITLE OF THE INVENTION: A Brain Controlled Device Automation and Control System

C. Conferences attended/papers presented: 23

1. Dibakar Chakraborty, “Fibrinolytic agents and Platelet Inhibitors from Snake and the Sea” , IV Annual conference of The Toxinological Society of India 2014, he Department of Pharmacology, Calcutta School of Tropical Medicine, Kolkata.
2. Utpal Roy Purnima Singh, SM Singh,A.Srivastava and Utpal Roy “Bacterial diversity and biopotentials of culturable bacteria associated with different age sediments of Svalbard, Arctic” in “5th Symposium on Polar Sciences” held at National Institute of Polar Research (NIPR), Tokyo, Japan on 3rd December, 2014.
3. Geetesh K. Mishra, Gautam Bacher, Utpal Roy, and Sunil Bhand. A micro biosensor for label-free detection of salmonella in water. Paper presentation at Nano-and Functional Materials at BITS Pilani.7-8 November 2014.
4. Sumit Biswas ,Presented paper at the 6th International Symposium on Recent Trends in Macromolecular Structure and Function, Univ. of Madras, Jan 22, 2014
5. Sumit Biswas Presented paper at the Symposium (Brainstorming meeting) on Proteomics: Present and Future, CCMB, Nov 24, 2014
6. Sumit Biswas Presented paper at the 6th Annual Meeting of Proteomics Society of India: From Discovery to Function, and attended workshop, IIT Mumbai, Dec 6-11, 2014

7. Ankush Saddhe and Kundan Kumar (2014). Molecular phylogeny of mangroves based on DNA barcode markers in Goa, India's west coast. Tropical Ecology Congress 2014, School of Environmental Sciences, Jawaharlal Nehru University, New Delhi, India. (Oral Presentation)
8. Rakesh Manuka and Kundan Kumar (2014). Identification of abiotic stress responsive With No Lysine kinase in rice. International Symposium on Plant Signaling and Behavior. New Delhi, India. (Poster Presentation)
9. Dr Indarni Talukadar Oral presentation at "5th International Conference on Stem Cells and Cancer (ICSCC-2014): Proliferation, Differentiation & Apoptosis" at JNU, New Delhi, Nov-2014. Title of the talk: "Kinome-wide Functional Analysis Highlights the Role of Cytoskeletal Remodeling in Somatic Cell Reprogramming"
10. Cytotoxic effects of Russell's viper venom (RVV) in human alveolar adenocarcinoma cells cultured in vitro ; Jigni Sayeda Pathan, Ansie Martin, Dibakar Chakrabarty and Angshuman Sarkar*; 20th meeting of the French Society of Toxinology, Paris, France, Decembar 10-11, 2014.
11. Cellular responses of in vitro cultured human A549 cells to exposure of metal oxide nanoparticles, Ansie Martin and Angshuman Sarkar*, AICB, CDRI, Lucknow, December 10-12, 2014
12. Poster presentation titled "Three Dimensional Supermacroporous Carrageenan-Gelatin Cryogel Matrix As New Design of Biomaterials" in AMAN 2014 (May 17-19, 2014) at BITS Pilani, K.K Birla Goa Campus, Goa, India. Authors: Archana Sharma, Sumrita Bhat, Ashok Kumar and Vijayashree Nayak.
13. Archana Sharma, Sumrita Bhat, Ashok Kumar and Vijayashree Nayak " PEG-Gelatin and Carrageenan-Gelatin Supermacroporous Cryogel Matrices for Soft Tissue Engineering Applications" in TERMIS AM 2014 (December 13-16, 2014) at Renaissance Hotel, Washington, D.C, USA.
14. Bhakti B. Salgaonkar and Judith M. Bragança (2014) Bacillus megaterium strain H16 Producing Polyhydroxybutyrate. (Poster Presented) at Indo – UK International Workshop on Advanced Materials and Their Applications in Nanotechnology (AMAN 2014), 17th - 19th May 2014, BITS Pilani K K Birla Goa Campus, India.
15. Akriti Rastogi and Dibakar Chakrabarty, Anticoagulant Protein from Barrel Jellyfish, Rhizostoma pulmo from the Goan Coast, TSICON 2014, Calcutta School of Tropical Medicine, Kolkata, 19-22 November 2014. Won the best oral presentation award.
16. kriti Rastogi and Dibakar Chakrabarty, Anticoagulant Activity of Barrel Jellyfish (Rhizostoma pulmo) Tentacle Extract, 22nd Meeting of the French Society of Toxinology (SFET) "Toxins: New Targets and New Functions", Pasteur Institute, Paris, France, 10-11 December 2014.
17. Kratarth Goel, Raunaq Vohra, Anant Kamath, and Veeky Baths. Home Automation Using SSVEP & Eye-Blink Detection Based Brain-Computer Interface. 2014 IEEE International Conference on Systems, Man, and Cybernetics, October 5-8, 2014, San Diego, CA, USA
18. Pallavee Srivastava, EVR Nikhil, Judith M. Braganca, Sutapa Roy Ramanan, Meenal Kowshik, Tellurium nanoparticles biosynthesized by haloarchaeon Halococcus salifodiane BK3 (Poster). Indo-UK international workshop on advanced materials and their applications in nanotechnology at BITS Pilani K K Birla Goa Campus organized by BITS Pilani K K Birla Goa Campus and University of Leeds, UK, from 17th-19th May, 2014.
19. Avijit Das and Malabika Biswas, The putative Antirepressor protein of Staphylococcus aureus phage Phi11 has a killing effect on the host cells, Society of Biological Chemist(India), Bhubaneswar, 20th Dec, 2014
20. Chandrasekhar Chanda, Srinivas Sistla., Dibakar Chakrabarty. Characterization of KT-6.9, an anticoagulant protein purified from Indian Monocled Cobra (Naja kaouthia) venom.,Toxinology Society of India Conference (TSICON 2014), Calcutta School of Tropical Medicine, Kolkata from 20-22 November 2014.
21. Dr. Vijayashree Nayak , Interdisciplinary research workshop (IDR),Water and Sanitation, 14th and 15th of November 2014.
22. Rakesh Manuka and Kundan Kumar Identification of abiotic stress responsive With No Lysine kinase in rice International Symposium on Plant Signaling and Behavior 2014 Department of Botany, University of Delhi, Delhi
23. Hemotoxic activity of Sea star Coelomic Fluid" at the 22nd Meeting of The French Society of Toxinology, " Toxins- New Targets and New Functions" which was held in Pasteur Institute, Paris , France from 10-11 December 2014.

D. Books Published/Edited during the year:**(i) Chapters in books:03**

1. Sequence Analysis of Mycobacterial PE/PPE Proteins Veeky Baths and Utpal Roy **Baths, V. & Roy, U. (2014). Sequence Analysis of Mycobacterial PE/PPE Proteins.** Tuberculosis - A Comprehensive Clinical Reference. ISBN: 978-1-922227-94-2. iConcept Press. Retrieved from <http://www.iconceptpress.com/books/040-1-1/tuberculosis--a-comprehensive-clinical-reference>
2. Dibakar Chakrabarty and Chandrasekhar Chanda. Snake Venom Disintegrins in Snake Venoms (Springer Handbooks of Toxinology, ed. P. Gopalakrishnakone)
3. Meenal Kowshik, Bionano-Magnetic materials: Synthesis and applications, In Nanotechnology for Biomedical applications (Atlantic Publications, Ed by Thomas Varghese).

E. Conferences, seminars & workshops conducted: 1

1. Conference on “Decentralized Biogas digesters and their slurry management” was held at Goa, India at the Birla Institute of Technology and Science (BITS) – Pilani, K K Birla Goa Campus, Goa India in association with Institute of Agricultural and Urban Ecological Projects (IASP), affiliated to Berlin Humboldt University, Germany from November 20th to 22nd 2014.

F. Invited Talks given by BITS faculty: 03

1. Meenal Kowshik, delivered an invited talk on Biocompatible silver based composites exhibiting excellent antimicrobial and anti-biofilm efficacy : Potential candidates for bone tissue engineering, at the “National Conference on Nanopharmacology, at D Y Patil Medical College, Kolhapur, from 19-20 Dec 2014.
2. Veeky Baths, delivered an invited lecture on “Disruption of Fatty Acid Biosynthesis in Mycobacterium tuberculosis using graph theoretic approach” at Institute of Mathematical Sciences Chennai on 11th July 2014.
3. Veeky Baths, Invited as a resource person and delivered an invited lecture on 'Building an Alumni Affairs Infrastructure' The Alumni Relations Conference (ARC), India held at the Indian School of Business, Mohali Campus on March 29, 2014 (Saturday). Organised by FuturEd (Education Sector Consulting & Service Provider).

G. Invited talks arranged in the department: Nil**H. Awards and recognitions won by faculty and student: 5**

1. Utpal Roy Won the “Certificate of Excellence in Reviewing” awarded by Elsevier in Recognition of Outstanding Contribution to quality of journal by “Fungal Biology”.
2. Sumit Biswas ,Radiological Safety Officer accreditation from BARC, DAE
3. Angshuman Sarkar, has been selected by CSIR (Board), Govt of India as a member in a confidential exam related work.
4. Ravi Prasad Aduri Editor for open access journal “Enliven: Microbes and Microbial Techniques”
5. Kshipra Naik was awarded the 014 CEFIPRA - ESONN FELLOWSHIPCEFIPRA, in collaboration with Joseph Fourier University, Grenoble which supported the participation in the European School on Nanoscience and Nanotechnologies (ESONN) training programme - Session 2014 held during August 24 - September 13, 2014 at Grenoble, France.

I. Faculty Development, International Collaboration & Industry Immersion

1. Anasuya Ganguly, under the BITS Pilani – Industry Immersion Scheme: Visited Sanakara Nethralaya
2. Meenal Kowshik visited the University of Missouri and worked with Prof. Kattesh Katti in the area of Green Nanotechnology.
3. Vijayashree Nayak arranged visit by Dr. Michele Luxon, Lancaster University, UK. related to Twinning programmes and bilateral exchange of faculty and students between BITS, Goa and Lancaster University.

J. Significant new equipments/experimental facility added during the year:

1. Refrigerated Centrifuge
2. Temro scientific forma Direct CO₂ incubators with high Temperature Decontamination and HEPA filtration
3. Multiskan GO ELISA Reader
4. Electra Comet

K. Departmental association/club activities: Department seminars delivered by students and faculty .

B2.10.2 Department: Chemistry

Number of faculty members (as on 31 December 2014): 17

Senior Professors, Professors	02
Associate Professors	03
Assistant Professors	11 + 1 (DST-INSPIRE Faculty)
Lecturers	-
Visiting Faculty	-

Head of the Department: Dr. Raghu Nath Behera, Assistant Professor**Contact details (email):** rbehera@goa.bits-pilani.ac.in**Number of PhD Scholars:** 21**Number of Project Fellows :** 03**No. of Post Doctoral Scientists :** 01**Ph.D. Thesis awarded during the year:** 01

- Lizy Kanungo (Supervisor Prof. Sunil Bhand)

Ph.D. Thesis Submitted during the year: 01

- Prasath. R (Supervisor Prof. P Bhavana)

A. Sponsored Research activities:**(i) Ongoing projects: 17**

Name of the Investigator	Title of the project and duration	Amount sanctioned	Funding Agency
Prof. Sunil Bhand (PI), Prof. NN Ghosh (co- PI), NDRI Karnal: Dr. Y.S.Rajput (Cooperating Centre PI, CCPI) IIT Delhi: Prof Sudhir Chandra (Cooperating Centre PI, CCPI)	Imprinted polymer for sensing and removal of selected antibiotic and pesticide residue, Project no. NFBSFARA/PHT-4007/2013-14 (October 2013 to March, 2015)	Rs. 125.25511 Lakh (BITS, Pilani-Goa Campus funding share Rs. 54.39110 lakh)	National Funds for Basic and Strategic Research in Frontier Areas of Agricultural Science, ICAR, New Delhi
Co PI : Prof. Sunil Bhand (Dept of Chemistry, KK Birla Goa.Campus) biosensor, Co-Investigator(s) I: Prof. Utpal Roy (Dept of Biological Sciences, K.K. Birla Goa ,Campus) microbiology, Co-Investigator(s) Prof. Neeru Sood & Dr Turpti Gokhale : (Biological Science, Dubai Campus)	Development of Field Deployable biosensor for analysis of bacterial contaminant in potable water, Duration : 3 years (2014-2017)	Rs. 41 lakh, Duration : 3 years (2014-2017)	Funding to sub-project
Co-PI BITS Goa: Prof Sunil Bhand (Department of Chemistry) nanobiosensors, Indian PI BITS Goa: Prof. NN Ghosh (Department of chemistry) nanomaterials , PI-UK: Prof Paul Millner (Faculty of Biological sciences) biocatalysis	“Development and characterization of nanomaterials for biosensors and biocatalysts” , (May 2013-May 2015)	Rs 91 lakh	UKIERI (DST and British Council)
Indian Invited PI: Prof Sunil Bhand (funding for Exchange visit of PI and researcher), PI : Dr Cedtic Dicko, Lund University Sweden	Functional composite materials and their application in smart textiles, Duration: 3 years (2014-2017)		The Swedish Research Council

Name of the Investigator	Title of the project and duration	Amount sanctioned	Funding Agency
Dr. NN Ghosh (P.I.)	Development of Polymer Ferrite (and/ or Graphene Nanocomposites having High Thermal Stability and Microwave , Absorption Property for Radar Absorbing Coating Applications (ERIP/ER/1305004/01/1523) Status: Ongoing (2014)	Rs 14,59,00	Defence Research and Development Organization (DRDO), India
Dr. N.N. Ghosh Coinvestigator: Dr. Mainak Banerjee	"Preparation of Magnetically Separable, Mesoporous TiO ₂ Catalysts and Study of their Catalytic Properties" Duration: 3 years	Rs.16,30,000	CSIR, New Delhi
Dr. Narendra Nath Ghosh	"Investigation on microstructures of hard-soft ferrite nanocomposites and influence of microstructure on their properties" (Ref: CSR-KN/CRS-68/2014-15/ 508), (starting 2014) Duration: 3 years .	Rs. 7,00,000	UGC-DAE
Dr. Narendra Nath Ghosh	Development of Nanostructured High Surface Area Alumina and Silica based adsorbent with Tailored Pore structure for Removal of Fluoride ions from Ground Water	Rs. 29,07,150	Board of Research in Nuclear Science (BRNS), India
Dr. Raghunath Behera	Study of effective interactions in charged colloidal suspensions 3 years	Rs.10,81,080	CSIR
Dr. Narendra Nath Ghosh	Development and characterisation of nanomaterials for biosensors and biocatalysts, 2013 to 2015	Rs. 91 lakh	UKIERI (DST and British Council)
Dr. P. Bhavana	"An Investigation on Derivatives of meso Tetrathienylporphyrin as dye sensitized Solar cells , 3 years	Rs.17,11,080	CSIR
Dr. Anjan Chattopadhyay(PI), CoPI: Dr. Mainak Banerjee	Spectroscopic investigation of the properties of low-lying electronic states of some chemopreventive retinyl nitrones and comparison of their light-induced properties with retinyl iminium ions, 2012 -2015	Rs.12,64,830	CSIR
Dr. Anjan Chattopadhyay(CoPI) PI: Dr.Sujit Kumar Ghosh (VNIT, Nagpur)	Photophysical studies of some selected DNA damage reactions		CSIR
Dr. Mainak Banerjee Coinvestigator: Dr. Rahul Banerjee (NCL, Pune)	Synthesis of metal-organic-rous material based efficient chiral heterogenous catalysts by post synthetic modification and their applications in asymmetric reactions, 3 Years	Rs.22,25,580	CSIR

Name of the Investigator	Title of the project and duration	Amount sanctioned	Funding Agency
Dr. Ranjan Dey	Prediction of thermodynamic, thermophysical, transport, thermoacustical and excess properties of binary, ionic liquid mixtures and ionic liquids (RTIL's) ,3 years	Rs.10,12,830	CSIR
Dr. Subhadeep Banerjee	Development of β,β' -edge fused π -elongated donor-acceptor porphyrin possessing Near-IR optical spectra ,3 Years	Rs.22,60,000	DST-FT
Dr.Tanmoy Mondal	Nonadiabatic molecular processes on threefold electronic degeneracies" Duration: January 2014 to January 2019	Rs.35,00,000	DST- Inspire

(ii) Projects sanctioned during the year: 03

Name of the Investigator	Title of the project and duration	Amount sanctioned (Rs.)	Funding Agency
Prof. Sunil Bhand 3-2-14.Coinvestigator: Prof A P Koley,Mr Gautam Bacher,PCs:Dr. V K Suri Dr. R. Balasubramaniam Shivam Mishra,Ashwin Rathod,(ALL from Precision Engineering division, BARC, Mumbai)	Development of a field portable device for the analysis of environmental contaminants in water,3 years	Rs.2498010	BRNS
Dr. Subhadeep Banerjee	Development of β,β' -edge fused π -elongated donor-acceptor porphyrin possessing Near-IR optical spectra ,3 Years	Rs.22,60,000	DST-FT
Dr. Arunashree Panda	Chalcogen containing azomethine macrocycles and biocycles: synthesis, characterization, metal complexes and theoretical investigations of nature of intramolecular interactions between divalent chalcogen and nitrogen atoms, 3years	Rs. 17,10,000	DST (WOS scheme)

(iii) Projects approved during the year: Nil

(iv) Projects completed this year: 07

Name of the Investigator	Title of the project and duration	Amount sanctioned (Rs.)	Funding Agency
Prof. Sunil Bhand(Consortium PI), NDRI Karnal: Dr. Naresh Kumar Consortium ,Delhi:Prof Sudhir Chandra & Prof Ratnamala Chatterjee Prof Neelam Verma	Development of biosensors and micro techniques for analysis of pesticide residues, aflatoxin, heavy metals and bacterial contamination in milk Project no. Comp 4/C10125.	Rs.3107.318 lakh	ICAR, India

Dr. Sunil Bhand (Consortium Co-PI), Dr. YS Rajput (partner)	“Detection and mitigation of dairy pathogens and adulterants using chemical biology, Project No. C4/C30032,2009- March 30 2014	Rs.695.7363 lakh BITS, Pilani-Goa Campus funding share Rs. 91.34975 lakh	ICAR
Co-Investigator (Prof. NN Ghosh) , Prof. Sunil Bhand (Consortium PI), Dr. Naresh Kumar Consortium (partner),	“Novel biosensors techniques for analysis of pesticide residues, aflatoxin, heavy metals and bacterial contamination in milk Project no. Comp4/C10125.	2943.736 lakh, BITS, Pilani-Goa Campus funding share Rs. 444.4799 lakh.	ICAR
Halan Prakash	Design of peptides, peptide conjugates and investigations on their antimicrobial activity	10 lakhs	ABG
Dr.Mainak Banerjee	Isolation of natural products from Kokum”, completed on 31/12/14	2.25 lakhs	Kurade Agro
Dr.Mainak Banerjee	Redox-sensitive Vesicles of Cucurbit [7]urils as an Efficient Targeted Intracellular Drug Delivery Vehicle (SR/FT/CS-023/2010), completed on 28/04/14	24.15 lakhs	DST-fast track
Dr Amrita Chatterjee	Development of turn-on type Chemodosimer for Selective Recognition of Sulfhydryl-Containing Amino Acids and Peptides in aqueous media (SR/FT/CS-092/2009),, completed on Mar/14	19.866 lakhs	DST-fast track

B. Publications: 40

1. C. Deoghare, C. Bany, V. S. Nadkarni, R. N. Behera and R. Chauhan, "Synthesis, Characterization and Computational Study of Potential Itaconimide-based Initiators for Atom Transfer Radical Polymerization", RSC Advances, 4, 48163-176 (2014).
2. A. Panda and R. N. Behera, "Comparative study of E...N (E = Se/Te) intramolecular interactions in organochalcogen compounds using density functional theory", Journal of Hazardous Materials, 269, 2-8 (2014).
3. Rupesh K. Mishra , Gustavo A. Alonso, Georges Istamboulie, Sunil Bhand, Jean-Louis Marty “Automated flow based biosensor for quantification of binary organophosphates mixture in milk using artificial neural network” Sensors and Actuators B: Chemical (2014) In press accepted manuscript, available online 13 November 2014 [doi:10.1016/j.snb.2014.11.0](https://doi.org/10.1016/j.snb.2014.11.0).
4. Geetesh K. Mishra, Atul Sharma, Sunil Bhand “Ultrasensitive detection of streptomycin using flow injection analysis-Electrochemical quartz crystal nanobalance (FIA-EQCN) biosensor” Biosensors and Bioelectronics Sept (2014). In press accepted manuscript <http://dx.doi.org/10.1016/j.bios.2014.09.033> (IF 6.5)
5. Pranali P Naik, Geetesh Kumar Mishra, Beng tDanielsson, Sunil Bhand “Android integrated urea biosensor for public health awareness” Sensing and Bio-Sensing Research (2014) Elsevier, In press accepted manuscript, available online 28 November 2014 [doi:10.1016/j.sbsr.2014.11.001](https://doi.org/10.1016/j.sbsr.2014.11.001).
6. Bhagaban Behera, Souvik Pal, Lizy Kanungo, Sunil Bhand, Sudhir Chandra “Synthesis and characterization of ZnO-ZnAl₂O₄ whiskers and their application in biosensors” J. Nanosci Lett. (2014) Accepted (Advance online epublication), <http://www.cognizure.com/jnl.aspx?p=20063849>.
7. Geetesh K Mishra, Gautam Bacher, Utpal Roy, Sunil Bhand “A label free impedimetric immune sensor for detection of Escherichia coli in water” Chemical Sensors(2014) Accepted (Advance Online publication) <http://www.cognizure.com/chemsen.aspx?p=20063850>.
8. Geetesh K. Mishra, Atul Sharma, Kanchanmala Deshpande and Sunil Bhand “Flow Injection Analysis Biosensor for Urea Analysis in Urine Using Enzyme Thermistor” ApplBiochemBiotechnol (2014) 174:998–1009. (DOI 10.1007/s12010-014-0985-0). Special Issue: India-Japan Workshop on Biomolecular Electronics and Organic Nanotechnology for Environment Preservation’13.
9. Lizy Kanungo, Gautam Bacher, Sunil Bhand "Flow-Based Impedimetric Immunosensor for Aflatoxin Analysis in Milk Products" ApplBiochemBiotechnol (2014) 174:1157– 1165. DOI 10.1007/s12010-014-0995-y. Special Issue: India-Japan Workshop on Biomolecular Electronics and Organic Nanotechnology for

Environment Preservation'13.

10. Geetesh K. Mishra and Sunil Bhand "Biosensor for urea analysis in adulterated milk" (Invited Article -Special Volume National Agricultural Innovation Project) *Indian Farming* 64(2):115-117, May 2014.
11. Souvik Pal, Manoj Kumar Sharma, BengtDanielsson, Magnus Willander, Ratnamala Chatterjee, Sunil Bhand "A miniaturized nanobiosensor for choline analysis" *Biosensors ,and Bioelectronics* (2014) 54, 558 <http://dx.doi.org/10.1016/j.bios.2013.11.057> http://www.altmetric.com/details.php?citation_id=1964885
12. Lizy Kanungo and Sunil Bhand "A survey of Aflatoxin M1 in some commercial milk samples and infant formula milk samples in Goa, India" *Food and Agricultural Immunology*(2014) 25 (467 <http://dx.doi.org/10.1080/09540105.2013.837031> pp 1-10.
13. Subhenjit Hazra, Barun Kumar Ghosh, Hrishikesh Ravindra Joshi, Manoj Kumar Patra, Raj Kumar Jani, Sampat Raj Vadera, Narendra Nath Ghosh, Development of a Novel 'One-Pot' Synthetic Method for Preparation of (Mn_{0.2}Ni_{0.4}Zn_{0.4}Fe₂O₄)_x-(BaFe₁₂O₁₉)_{1-x}nanocomposites and Study of their Microwave Absorption and Magnetic Properties *RSC Advances* 4, 45715- 45725 (2014)
14. Barun Kumar Ghosh, Subhenjit Hazra, Bhanudas Naik, Narendra Nath Ghosh, "Preparation of Runanocatalysts supported on SBA-15 and their Excellent Catalytic Activity towards Decolorization of Various Dyes", *Journal of Nanoscience and Nanotechnology* (Accepted 2014).
15. Banasree Sarma, Debraj Dhar Purkayastha, Subhenjit Hazra, Lohit Gogoi, Chira R. Bhattacharjee, Narendra Nath Ghosh, Jayashree Rout, Biosynthesis of gold nanoparticles using a freshwater green alga, *Prasiolacrispa*, *Materials Letters* 116, 94–97 (2014).
16. S Hazra and NN Ghosh Preparation of Nanoferrites and Their Applications *Journal of Nanoscience and Nanotechnology* 14, 1983–2000, (2014).
17. Desagani Dayananda, Vilas Desai, Bhanudas Naik, Meenal Kowshik, Vadakkethonippurathu Sivankutty Prasad, Narendra Nath Ghosh*, A Simple Method for Preparation of Ag Nanoparticle Loaded Mesoporous γ -Al₂O₃ and their Antibacterial Property *Journal of Nanoscience Letters* 4: 15, 1- 5 (2014)
18. Himank Kumar, Anjan Chattopadhyay, R. Prasath, Vinod Devaraji, Ritika Joshi, P. Bhavana, Praveen Saini, and Sujit Kumar Ghosh, Design, Synthesis, Physicochemical Studies, Solvation, and DNA Damage of Quinoline-Appended Chalcone Derivative: Comprehensive Spectroscopic Approach toward Drug Discovery", *J.Phys.Chem.B* 118, 725 (2014).
19. Praveen Saini and Anjan Chattopadhyay "Spectroscopic features of the low-lying singlet states of some N-alkyl retinyl nitron model systems and their involvement in oxaziridine formation" *RSC Advances* 4, 20466 (2014).
20. Subhadeep Banerjee, Anjan Chattopadhyay, Arnab Banerjee, Meera Haridas, Praveen Saini, Moitreyi Das, Mahesh S. Majik, Yogesh Kr. Maurya, *Bioorganic & Medicinal Chemistry Letters*, Accepted, in press
21. Megha Subhash Deshpande, Sendy Junedi, Halan Prakash, Satoshi Nagao, Masaru Yamanaka, Shun Hirota. DNA cleavage by oxymyoglobin and cysteine-introduced metmyoglobin, *Chemical Communications (RSC) Chem. Commun.*, 50, 15034 (2014).
22. Rajesh Pasumarthi, Vikash Kumar, Sivaraman Chandrasekharan, Anasuya Ganguly, Mainak Banerjee, Srikanth Mutnuri, Biodegradation of aliphatic hydrocarbons in the presence of hydroxylcucurbit[6]uril, *Mar. Pollut. Bull.*, 88, 148-154 (2014).
23. Mainak Banerjee, Amrita Chatterjee, Vikash Kumar, Zigmee T. Bhutia, Dipratn G. Khandare, Mahesh S. Majik and Biswajit Gopal Roy, A simple and efficient mechanochemical route for the synthesis of 2-aryl benzothiazoles and substituted benzimidazoles, *RSC Adv.*, 4, 39606-39611 (2014).
24. Mahesh S. Majik, Supriya Tilvi, Stacey Mascarenhas, Vikash Kumar, Amrita Chatterjee and Mainak Banerjee, Construction and screening of 2-aryl benzimidazole library identifies a new antifouling and antifungal agent, *RSC Adv.*, 4, 28259–28264 (2014).
25. Vikash Kumar, Amrita Chatterjee, Nupur Kumar, Anasuya Ganguly, Indranil Chakraborty and Mainak Banerjee, D-Glucose Derived Novel Gemini surfactants: Synthesis and Study of Their Surface Properties, DNA Binding, and Cytotoxicity, *Carbohydrate Research*, 397, 37–45 (2014).
26. Subhenjit Hazra, Shruti Balaji, Mainak Banerjee, Anasuya Ganguly, Narendra Nath Ghosh and Amrita Chatterjee, A PEGylated-Rhodamine based sensor for "turn-on" fluorimetric and colorimetric detection of Hg²⁺ ions in aqueous media *Analytical Methods*, 6, 3784–3790 (2014).
27. Dipratn G. Khandare, Hrishikesh Joshi, Mainak Banerjee,* Mahesh S. Majik and Amrita Chatterjee,* An aggregation-induced emission based "turn-on" fluorescent chemodosimeter for the selective detection of Pb²⁺ ions, *RSC Adv.*, 4, 47076-47080 (2014).
28. Ranjan Dey, Akanksha Saini, Ashish K Sharma, J.D. Pandey, Estimation of some important thermodynamic

- and thermophysical and properties of ternary liquid mixtures from ultrasonic velocity and density data, *J. Mol. Liq.*, 195(2014)150-156.
29. Ranjan Dey and Anumeha Dwivedi, Design and Simulation of Portable Fuel Adulteration Detection Kit, *Journal of Energy and Chemical Engineering*, 2[2](2014), 74-80.
 30. Ranjan Dey and Aditya Harshavardhan, A comparative study of Ultrasonic velocities of Binary and Multicomponent Liquid mixtures at 298.15 K, *Journal of Energy & Chemical Engineering*, 2[1](2014)1-
 31. Pragnya P. Mishra, J. Theerthagiri and Rabi N. Panda "Mesoporous Vanadium Nitride Synthesized by chemical Routes" *Adsorption Science & Technology*, 2014, 32, 465-474.
 32. Shankar B. Dalavi and Rabi N. Panda, Magnetic properties of nanocrystalline Co and Ni synthesized via superhydride reduction route, *J. Magn. Mater.* **374**, 411-416 (2015)
 33. Shankar B. Dalavi and Rabi N. Panda, Magnetic properties of nano-structured nd Ni synthesized by modified NaBH₄ reduction route, *Particulate Science and Technology* (2014) (DOI: 10.1080/02726351.2014.941079).
 34. Banasree Sarma, Debraj Dhar Purkayastha, Subhenjit Hazra, Lohit Gogoi, Chira R. Bhattacharjee, Narendra Nath Ghosh, Jayashree Rout, Biosynthesis of fluorescent gold nanoparticles using an edible freshwater red alga, *Lemaneafluvialis* (L.) C.Ag. and antioxidant activity of biomatrix loaded nanoparticles, *Bioprocess and Biosystems Engineering*. (DOI 10.1007/s00449-014-1233-2) 1-7 (2014)
 35. Desagani Dayananda, Venkateswara Rao Sarva, Sivankutty Vadakkethonippurathu Prasad, Jayaraman Arunachalam, Narendra Nath Ghosh "A simple aqueous solution based chemical methodology for preparation of mesoporous alumina: Efficient adsorbent for defluoridation of water" *Particulate Science and Technology* (Accepted 2014, DOI: 10.1080/02726351.2014.919548).
 36. Desagani Dayananda, Swapnil Gupta, Venkateswara R. Sarva, Sivankutty V. Prasad, Jayaraman Arunachalam, Narendra N. Ghosh, Preparation of ZrO₂ nanoparticle loaded mesoporous Al₂O₃: A promising adsorbent for defluoridation of water, *Journal of Nanoscience Letters* available on line from 3rd June 2014) 5: 5 1-9 (2015)
 37. Desagani Dayananda, Venkateswara R. Sarva, Sivankutty V. Prasad, Jayaraman Arunachalam and Narendra N. Ghosh "Preparation of CaO loaded mesoporous Al₂O₃: Efficient adsorbent for fluoride removal from water" *Chemical Engineering Journal* 248, 430–439 (2014).
 38. Mayank Pandey, Girish M. Joshi, Kalim Deshmukh, Moumita Khutia, Narendra Nath Ghosh, Optimized AC Conductivity co-related to structure, morphology and thermal properties of PVDF/PVA/Nafion composites. *Ionics* 20, 1427–1433 (2014).
 39. T Mondal, A. J. C. Varandas, "On extracting subfemtosecond data from femtosecond quantum dynamics calculations: The methane cation" *Journal of Chemical Theory and Computation* 10 (9), 3606-3616 (2014).
 40. Sayan Bhattacharyya, Yitzhak Mastai, Rabi Narayan Panda, Sun-Hwa Yeon, Michael Z Hu, *Advanced Nanoporous Materials: Synthesis, properties and applications*, Editorial, *Journal of nanomaterials*, Vol. 2014, Article ID: 275796.2 pages.

Patents: 03

1. BHAND SUNIL, CHANDRA SUDHIR, PANDYA HARDIK, BACHER GAUTAM & KANUNGO LIZY. "Device for Analysis of Mycotoxins" Complete specifications filed on March 19, 2014. Also filed as PCT International (PCT/IN2014/000176) filed on March 19, 2014. Published under the Patent Cooperation Treaty PCT: WO2014155391 A2, October 02, 2014
2. BHAND SUNIL, PAL SOUVIK. A biosensor kit for detection and analysis of chemical pollutants, Indian Patent Application No. 3456/MUM/2013 complete specifications filed in October, 2014
3. BHAND SUNIL, CHANDRA SUDHIR, PANDYA HARDIK, TIWARI RUCHI, MISHRA RUPESH KUMAR. "Analyte Sensor Chips" PCT International Application No. PCT/IN2013/000205, Published under the Patent Cooperation Treaty PCT: WO2013164853 A3 January 09, 2014. <http://www.highbeam.com/doc/1P3-3121149541.html>.

C. Conferences attended/papers presented: 31

1. Sunil Bhand (Invited talk) Novel biosensors based on nanomaterials: An overview", National Conference on Nano-and Functional Materials organized by BITS Pilani –Pilani Campus, 7-8 November 2014.
2. Sunil Bhand, Delivered invited lecture "Recent developments in Micro biosensor devices- Indian Perspective" at 3rd theme meeting on Micro-nano technology in service of rural India" organized jointly by BRNS and DST India during 25 & 26 April 2014 at SVERI, Pandharpur India

3. Geetesh K. Mishra, Gautam Bacher, Utpal Roy, and Sunil Bhand. "A micro biosensor for label-free detection of salmonella in water". Oral Presentation (GKM) at National Conference on Nano-and Functional Materials organized by BITS Pilani –Pilani Campus, 7-8 November 2014.
4. Geetesh K. Mishra, Gautam Bacher, Utpal Roy and Sunil Bhand "Impedometric immunosensor for bacterial detection" INDO- UK INTERNATIONAL WORKSHOP ON ADVANCED MATERIALS AND THEIR APPLICATIONS IN NANOTECHNOLOGY (AMAN 2014) Organized by BITS Pilani, KK Birla Goa Campus (May 17- 19, 2014) 2nd prize in poster presentation (GKM Ph.D. student).
5. B. Behera, S. Pal, L. Kanungo, S. Bhand and S. Chandra* "Synthesis and Characterization of ZnO-ZnAl₂O₄ Whiskers and Their Application in Biosensors" INDO- UK INTERNATIONAL WORKSHOP ON ADVANCED MATERIALS AND THEIR APPLICATIONS IN NANOTECHNOLOGY (AMAN 2014) Organized by BITS Pilani, KK Birla Goa Campus (May 17- 19, 2014). (Joint work with IIT Delhi).
6. Geetesh K. Mishra, Atul Sharma, Sunil Bhand "Ultrasensitive detection of streptomycin using Flow injection analysis-Electrochemical quartz crystal nanobalance (FIA-EQCN) biosensor" 24th Anniversary World Congress on Biosensors, May 27-30, 2014 Melbourne AUSTRALIA. (organized by Elsevier UK)
7. P.P. Naik, Geetesh K. Mishra, Bengt Danielsson and Sunil Bhand "Android Integrated urea biosensor for public health awareness" 24th Anniversary World Congress on Biosensors, May 27-30, 2014 Melbourne AUSTRALIA (organized by Elsevier UK).
8. Banerjee, S.; Bruckner, C.; 'Pyrrole-Modified and Annulated Porphyrins Towards Long Wavelength Optical Properties': Oral Presentation, DST-sponsored International Conference on Emerging Frontiers and Challenges in Chemistry, ICEFCC-2014" on 17th and 18th February-2014 at All Saints' College, Thiruvananthapuram, India.
9. Akanaksha Saini, Ranjan Dey, " Study of Thermodynamic Diagnostic, and Thermoacoustical parameters and their excess values of ternary liquid mixtures", RSC- NSC Symposium and NSC-CRSI Conference, IIT-Bombay, 5th – 8th February, 2014
10. Ranjan Dey and Akanksha Saini, "Thermodynamic and Thermophysical Properties of Binary Mixture with Ionic Liquids at different Temperatures", Thermodynamics of Chemical, Biological, Environmental and Non Conventional Energy Systems (TCBNES) 2014, 17th -18th October, 2014, S P University, Anand, Gujarat
11. RANJAN DEY [Invited talk] "PERIODIC TABLE- A HISTORIC OVERVIEW AND APPLICATIONS", at SUMMER SCHOOL, NATIONAL ACADEMY OF SCIENCES INDIA (NASI), ALLAHABAD, U.P., 8TH JUNE, 2014
12. Diprati G. Khandare, Mainak Banerjee and Amrita Chatterjee "Amine functionalized tetraphenylethylene: A novel fluorescent probe for nitrite and nitrate based on the aggregation-induced emission." 16th CRSI National Symposium in Chemistry at IIT Bombay; Feb 7-9, 2014
13. Diprati G. Khandare, Mainak Banerjee and Amrita Chatterjee, "Fluorescence 'turn-on' Detection of Pb²⁺ ions by Aggregation-Induced Emission-Active Tetraphenylethene", INDO- UK INTERNATIONAL WORKSHOP ON ADVANCED MATERIALS AND THEIR APPLICATIONS IN NANOTECHNOLOGY (AMAN 2014) at BITS Pilani KK Birla Goa campus during 17- 19th May 2014.
14. C. Deoghare, R. N. Behera and R. Chauhan, "A Computational Study of Homolytic Bond Dissociation Process Involved in the Initiation Process of Atom Transfer Radical Polymerization", 16th CRSI National Symposium in Chemistry (NSC-16), February 6-9, 2014, IIT Mumbai, India.
15. Praveen Saini and Anjan Chattopadhyay, "A comparative study of the non-radiative decay channels in conjugated long-chain iminium ions and nitrones" 16th CRSI National Symposium in Chemistry at IIT Bombay; Feb 7-9, 2014.
16. Halan Prakash, "Activation of Persulphate using Nickel(II) azamacrocyclic and Ru(II) polypyridyl complexes and Degradation of pollutants" Third International Conference on Advanced Oxidation Processes, Conducted by MG University and SECAS, India Mahatma Gandhi University, Sept. 25-28, 2014.
17. R. N. Behera and A. Panda, Intramolecular non-bonded interactions in organochalcogens: A computational study, National conference on recent trends in chemical Science (RETICS-2014), Sambalpur University, Odisha, Nov. 14-15, 2014.
18. Nisheal M Kaley and R. N. Behera, "Computational Study of E•••N (E=Se/Te) Non-Bonded Interactions in Organochalcogen Compounds", Theoretical Chemistry Symposium, National Chemical Laboratory, Pune, December 18-21, 2014.
19. Shankar B. Dalavi and Rabi N. Panda, Superparamagnetism in single domain PEG-coated Fe_xNi_{80-x}Co₂₀ (x = 20, 40) Ternary Alloys, International Symposium for Research Scholars – 2014 (ISRS 14), IIT Madras, Chennai, to be held in Dec. 2014.

20. R. N. Panda, Invited talk, Novel Synthesis, Characterization and magnetic properties of Fe, Ni and Co based metal and nitride nanomaterials, National conference on recent trends in chemical Science (RETICS-2014), 14th-15th, Nov., 2014.
21. Tanmay G. Netke, Palash Dhir, Venkatesan S. Thimmakondur, "Structures and Stabilities of C₇H₂ Isomers: Quantum Chemical Studies", Theoretical Chemistry Symposium, National Chemical Laboratory, Pune, December 18-21, 2014
22. Aditya P. Pandey, Saurabh Deshpande, Garima Yadav, Tanmay G. Netke, Venkatesan S. Thimmakondur, "Structures and Energetics of C₉H₂ Isomers: An Ab Initio Study", Theoretical Chemistry Symposium, National Chemical Laboratory, Pune, December 18-21, 2014.
23. Amrita Chatterjee, Biomaterials 2014, International conference on Polymeric Biomaterials, Bioengineering & Biodiagnostics, organized by IIT Delhi and ENEA, Rome, Italy; oral presentation: Chemical sensors for biologically / environmentally important analytes October 27-30, 2014, New Delhi, India.
24. Vikash Kumar, Amrita Chatterjee and Mainak Banerjee. "Design and synthesis of a novel class of D-glucose based bolaamphiphiles and their catalytic application in 1,3-dipolar nitrene cycloaddition reactions" Indo-UK International workshop on Advanced Materials and Their Applications in Nanotechnology (AMAN- 2014), Department of Chemistry, BITS Pilani, K.K.Birla Goa campus, May 17-19, 2014.
25. D-Glucose Derived Novel Gemini Surfactants: Synthesis and Study of Their Surface Properties, DNA Binding, and Cytotoxicity, Vikash Kumar, Amrita Chatterjee and Mainak Banerjee, International Conference on Challenges in Chemistry and Biology of Carbohydrates, CARBOXXVIII, Feb. 23-25, 2014 at FRI, Dehradun.
26. A simple and efficient mechanochemical route for the syntheses of 2-aryl benzothiazoles and substituted benzimidazoles, Dipratin Khandere, Vikash Kumar, Amrita Chatterjee and Mainak Banerjee, 16th CRSI National Symposium in chemistry (NSC-16), Mar. 6-9, 2014, IIT Bombay.
27. Saurabh Deshpande, Tanmay G. Netke, Aditya P. Pandey, Garima Yadav, and Venkatesan S. Thimmakondur, Quantum Chemistry of Astronomically Relevant Molecules: A Case Study of Structures C₉H₂ Isomers via An Ab Initio Calculations, National Conference on Advanced Materials for Defence and Aerospace Applications, AMDA 2014, December 22, 2014, BITS-PILANI, Hyderabad Campus, India.
28. T. Mondal and AJC Varandas, "On Extracting Subfemtosecond Data from Femtosecond Quantum Dynamics Calculations: The methane Cation", Theoretical Chemistry Symposium, National Chemical Laboratory, Pune, December 18-21, 2014.
29. Shankar B. Dalavi, M. Manivel Raja and Rabi Narayan Panda, Chemical synthesis, characterizations and magnetic properties of nanocrystalline Fe₅₀Co₅₀ alloy, AIP Conf. Proc. 1591, 241-243 (2014). (DST)
30. Pragnya Paramita Mishra and Rabi Narayan Panda, Development Of Novel Chemical Synthetic Routes For Nanocrystalline VN, Mo₂N, And W₂N Nitride Materials, Accepted for poster presentation in DAE SSPS-2014 organized by BARC Mumbai, 16-20 Dec, 2014 at VIT Vellore.
31. Shankar B. Dalavi, M. Manivel Raja and R. N. Panda, Magnetic Properties of Ni Nanoparticles Embedded in Silica Matrix (KIT-6) Synthesized via Novel Chemical Route, 59th DAE Solid State Physics Symposium (DAE-SSPS-2014), VIT Vellore, to be held in Dec. 2014.

D. Books Published/Edited during the year: None

E. Conferences, seminars & workshops conducted: 01

INDO- UK INTERNATIONAL WORKSHOP ON ADVANCED MATERIALS AND THEIR APPLICATIONS IN NANOTECHNOLOGY (AMAN 2014) held at BITS Pilani, KK Birla Goa campus May 17- 19th 2014.

F. Invited Talks given by BITS faculty: 02

1. Amrita Chatterjee Biomaterials 2014, International conference on Polymeric Biomaterials, Bioengineering & Biodiagnostics, organized by IIT Delhi and ENEA, Rome, Italy; oral presentation: Chemical sensors for biologically / environmentally important analytes October 27-30, 2014, New Delhi, India.
2. Halan Prakash, "Activation of Persulphate using Nickel(II) azamacrocyclic and Ru(II) polypyridyl complexes and Degradation of pollutants", The third international conference on Advanced Oxidation Processes Sep 25-28, 2014, MG university, Kerala.

G. Invited talks arranged in the department: 03

- 1 Professor Suresh C. Pillai, Semiconductor Nanomaterials for Photocatalytic Applications, Centre for Precision Engineering, Materials and Manufacturing Research & Department of Environmental Sciences Institute of Technology Sligo, Ireland.

2. Biosensors, Nanoparticles and Nanofibers: How surface structure affects their performance Speaker: Prof. Paul A. Millner, Professor of Bionanotechnology and Head of School of Biomedical Science University of Leeds, U. K
3. Bloodhound® Electronic nose Technology: Applications in diagnosis of Tuberculosis Speaker: Dr. Tim Gibson, Chief Scientist of Roboscientific Ltd., UK

H. Awards and recognitions won by faculty and student

1. Dr. R. N. Panda become the life member of Indian Science Congress.
2. Dr. R. N. Panda reviewed paper(s) in the journal : Materials Science and Engg (B) and Materials Lett
3. Dr. A. Chattopadhyay reviewed paper in J. Chem. Phys.
4. Worked as Guest Editor for a special Issue: Advanced Nanoporous Materials: Synthesis, properties and applications, Journal of nanomaterials,
5. Mr. Gokulakrishnan, and Meera Haridas participated and won the best Poster award in The third international conference on Advanced Oxidation Processes Sep 25-28, 2014, MG University Kerala. Poster title is Degradation of dyes by Potassium persulphate, its enhancement by 1,8-dimethyl-1,3,6,8,10,13-hexaazacyclotetradecane nickel(II) perchlorate complex: Removal of toxicity.
6. Summer projects to three DST-INSPIRE candidates from NISER, Bhubaneswar were offered by Dr. A. Chattopadhyay, Dr. R. N. Behera and Dr. Subhadeep Banerjee.

I. Faculty Development, International Collaboration & Industry Immersion

J. Significant new equipments/experimental facility added during the year:

1. A 50 capacity wet lab for UG Courses has been added to the department.
2. Following instruments have been added: (i) Digital conductivity meter-5 , (ii) Hot air oven with recirculation pump, (iii) Ice flaker machine, (iv) Polarimeter, (v) Refractometer, (vi) Rotary evaporator, (vii) analytical balance, (viii) PH meter -3
3. Following instruments have been placed order: (i) Electrochemical station (ii) AFM
4. RT-PCR from Roche Diagnostics Switzerland under CORE WWEM (Rs. 12.5 lakh).

K. Departmental association/club activities: Department seminars delivered by students and faculty:08

1. Dr. Subhadeep Banerjee: The Chemistry of pyrrole-modified porphyrins
2. Prof. N. N. Ghosh : Novel Synthetic Strategies for Preparation of Magnetic Nanoparticles, Polymer-Ferrite Nanocomposites And Mesoporous Advanced Catalysts
3. Prof. Ranjan Dey: Property prediction of binary and higher order liquid mixtures
4. Dr. Halan Prakash: Novel strategies for activation of persulphate and degradation of persistent pollutants
5. Dr. Venkatesan S. Thimmakonda: Exploring Molecular Spectroscopy via Quantum Chemistry
6. Dr. Tanmoy Mondal: Structure and dynamics at threefold electronic degeneracies: From molecular time-scale to sub-femtosecond regime
7. Dr. Anjan Chattopadhyay: Alkali metal-Rare gas van der Waals molecules as potential Exciplex Laser systems
8. Dr. R.N. Panda: Size and Surface effects in Nano-material

B2.10.3 Department: Chemical Engineering

Number of faculty members (as on 31 December 2014):12

Senior Professors, Professors	1
Associate Professors	2
Assistant Professors	4
Lecturers	4
Visiting Faculty / Consultant R & D	0
Professor on Contract	1

Head of the Department: Prof. Srinivas Krishnaswamy

Contact details (email): srinivas@goa.bits-pilani.ac.in

Number of PhD Scholars: 2 (Full time), 2 (Part time)

Ph.D. Thesis Submitted during the year: 0

A. Sponsored Research activities:

Total number of Sponsored Projects in the department: **5**

Details are given below:

(i) Ongoing projects:**1. High - efficiency energy conversion in steam boilers using unmixed combustion**

PI: Dr. Srinivas Krishnaswamy

Budget: Rs. 31,05,000 (from DST)

Collaborators: Thermax Limited, Pune (funding Rs. 4,00,000/-)

2. Sea water desalination using Liquefied Natural Gas (LNG) refrigeration

PI: Dr. Srinivas Krishnaswamy

Budget: Rs. 3,82,21,000/-

Funding agency: GAIL India Ltd

3. Investigating the effect of co-digestion and advanced sludge pre-treatment methods on the anaerobic conversion potential of the organic wastes

Co- PI: Dr.S.S.Baral, Dr. S. D. Manjare

Total grant Rs 27,48,800/-

Funding Agency: DBT, New Delhi

4. Development of efficient bioleaching process for the metal recovery from spent catalysts"

PI: Dr.S.S.Baral

Amount sanctioned : Rs. 26,56,600/

Funding Agency : DBT

5. Studies on two phase nozzle systems and design of novel sequential batch reactor (SBR) (Consultancy project)

PI: Dr.Srinivas K. and Dr. K. N. Ponnani

Amount sanctioned : Rs. 6,00,000/

Funding Agency : RD Aga Research Technology Innovation Center of Thermax Ltd., Pune

(ii) Projects sanctioned during the year: 1**1. Experimental and simulation studies on coke mitigation in petroleum refinery systems**

PI: Dr. Srinivas Krishnaswamy

Amount Sanctioned: Rs.3,24,62,000 /-

Funding agency: CHT and BPCL

(iii) Projects completed this year: 3

1. Studies on separation and purification of rare earth metals from red mud / used catalyst

PI: Dr. S. S. Baral

Budget: Rs.2.00,000/-

Funding agency: BITS Pilani K K Birla Goa campus

2. Coke reduction and Selectivity increase in allyl chloride process

PI: Dr. Srinivas Krishnaswamy

Amount Sanctioned: Rs. 10,00,000/-

Funding agency: ABG Group

3. Biological Synthesis of Metal Sulfide and Metallic Nanoparticles Using Halophilic Archaeobacteria

PI: Meenal Kowshik, Co-PI: Sutapa Roy Ramanan

Amount Sanctioned: Rs. 18,00,000/-

Funding agency: Ministry of earth sciences

B. Publications:

The faculty of the department published 3 papers in international/national refereed journals during the year.

Authors	Title of the Publication	Journal	Vol.	Pages
Vaishnavi Unde, Dr. Srikanth Mutnuri	Bio-catalytic production of indigo using biphasic organic solvent	Discovery Biotechnology	5 (March 2014)	3 - 10
S. S. Baral, K. Raja Shekar, Megha Sharma, P.V. Rao	Optimization of leaching parameters for the extraction of rare earth metal using decision making method	Hydrometallurgy	143	60 - 67
G. Surendran, B. V. Sasank, S. S. Baral	Modeling and simulation for the adsorptive removal of Cr(VI) from aqueous solution,	Desalination and Water Treatment	52	5652-5662
Sushma Jadalannagari, Ketaki Deshmukh, Sutapa Roy Ramanan, Meenal Kowshik, Anita K.Verma, R.Vora	Lanthanum-Doped Hydroxyapatite Nanoparticles as Biocompatible Fluorescent Probes for Cellular Internalization and Biolabeling	Science of Advanced Materials	6 (01/2014)	312-319
Pallavee Srivastava, Judith Braganca, Sutapa Roy Ramanan and Meenal Kowshik	Green Synthesis of Silver Nanoparticles by Haloarchaeon Halococcus salifodinae BK6	Advanced Materials Research.	938	236 - 241

C. Conferences attended/papers presented:

Total: 8 (6 Conferences + 1 Workshop + 1 Seminar)

Presenter	Title of paper	Conference Name	Location	Date
Srinivas K., Parul Sahu, K. N. Ponnani	A theoretical approach to selection of suitable hydrate former for seawater desalination	8 th International conference on gas hydrates	Beijing, China	28 th July – 1 st Aug 2014
Amol Deshpande, Srinivas K., K. N. Ponnani	Micro-pulsed differential reactors: A viable alternative for estimating kinetics of gas-solid reactions	CHEMCON – 2014 (67 th Annual session of Indian Institute of Chemical Engineers)	Chandigarh, India	27 – 30 th December 2014

Presenter	Title of paper	Conference Name	Location	Date
Jegatha Nambi Krishnan, Sampada Bokade, Satish Kumar Dasari, Sutapa Roy Ramanan	Fabrication of Gold Nanostructure Arrays Using Modified Nanosphere Lithography	International Conference on MEMS and Sensors (ICMEMSS 2014),	IIT Madras, Chennai, India	18 th – 20 th December 2014
G.Surendran, S.S.Baral	Treatment of Cr(VI) contaminated waste water by natural grass	ICEM 328, International Conference on Green Technology for Environmental Pollution Prevention and Control (ICGTEPC) 2014	NIT, Tiruchirapalli, India	27 th – 29 th September 2014
Prabudh Sharma, S. S. Baral, Kaustub Singh	Carbon Capture and Biofuel Production through Microalgae	AICHE Annual Meeting	Atlanta, Georgia, USA	16 th – 21 st November 2014
Neh Vivek Kovale, Manjare S D.,	Mathematical Modeling of the Dispersion of Air Pollutants from Multiple Sources for the City of Bokaro, Jharkhand	ICEM 328, International Conference on Green Technology for Environmental Pollution Prevention and Control (ICGTEPC) 2014	NIT, Tiruchirapalli, India	27 th – 29 th September 2014
S. S. Baral		Multiphase Flow Reactors Insights through Experimental and CFD Techniques (Workshop)	IIT, Guwahati	16 th – 20 th December 2014
K. N. Ponnani	Ecocultural Ethics of a Practicing Engineer—Musings on a Personal Journey	International seminar on "Towards Ecocultural Ethics - recent trends and future directions"	BITS Pilani KK Birla Goa Campus	9 th – 11 th October 2014

D. Books Published/Edited during the year: Total: Nil

E. Conferences, seminars & workshops conducted: Nil

F. Invited Talks given by BITS faculty: 1

Authors	Host	Title	Date
Dr. S. D. Manjare	Goa State Pollution Control Board at Panaji, Goa.	Sustainability Assessment Tool for Industries	5 th June, 2014

G. Invited talks arranged in the Department: Nil

H. Awards and recognitions won by faculty and students

1. **Name of the Award:** INSA Inspire Faculty Award, DST, Government of India (Title: Rheological dynamics of polymer-layered silicate/graphene nanocomposites)

Faculty Nme: Asima Shaukat

Total Amount : 35,00,000/- (7,00,000/- per year for 5 years)

Duration : 5 years

2. **Name of the Recognition:** Achievement In enrolment of members of IChE during 2014 (by IChE)

Faculty Nme: S. S. Baral

I. Faculty Development, International Collaboration & Industry Immersion: Nil

J. Significant new equipments/experimental facility added during the year:

1. Raman Spectrophotometer

2. Optical microscope
3. Laminar air flow hood
4. Orbital shaker and incubator
5. Autoclave
6. High Speed Centrifuge
7. Unmixed combustion kinetics test rig
8. Unmixed combustion packed bed reactor - heat transfer experimental set-up

K. Departmental association/club activities: Nil

B2.10. 4 Department: Computer Science & Information Systems

Number of faculty members (as on 31 December 2014):16

Senior Professors, Professors	01
Associate Professors	03
Assistant Professors	04
Lecturers	08
Visiting Faculty	00

Head of the Department: Dr. B. M. Deshpande

Contact details: bmd@bits-go.a.ac.in

Number of PhD Scholars: 14

Ph.D. Thesis Submitted during the year: 01

A. Sponsored Research activities:

Total number of Sponsored Projects in the department: 03. Details are given below.

(i) Ongoing projects:

- a. Dr. S.K. Sahay, Neutron Stars as a Source of Potential Continuous Gravitational Wave Emitter. BRNS funded project.
- b. Condition based monitoring of pipeline using wireless sensor network”
GAIL sponsored project
Faculty member(s) proposing research
Principal Investigator: K. R. Anupama
Co-investigator(s): (i) Lucy Gudino, (ii) Neena Goveas
- c. Design and Implementation of High Performance Energy Efficient Scheduling Algorithms for Multiprocessor / Multicore Hard Real – Time Systems
Institute Seed Grant
Faculty member(s) proposing research
Principal Investigator: Biju K R
Co-investigator(s): B.M. Deshpande

(ii) Projects sanctioned during the year : Nil

(iii) Projects completed this year: NIL

B. Publications:(Journals).

1. Ramprasad Joshi and Bharat Deshpande, Empirical and analytical study of many-objective optimization problems: analysing distribution of nondominated solutions and population size for scalability of randomized heuristics. *Memetic Computing*, June 2014, Volume 6, Issue 2, pp 133-145.
2. Mahadev A. Gawas¹, Lucy J.Gudino¹, K.R. Anupama¹ and Joseph Rodrigues, A Cross-Layer Delay-Aware Node Disjoint Multipath Routing Algorithm for Mobile Ad Hoc Networks, *International Journal of Wireless and Mobile Networks*, June 2014, Volume 6, No. 3.
3. Ashu Sharma and S.K. Sahay, Evolution and Detection of Polymorphic and Metamorphic Malwares: A Survey, *International Journal of computer applications*, Vol.90, no.2, March 2014.
4. R.K. Roul, O.R. Devanand and S.K. Sahay, Web Document Clustering and Ranking using Tf-Idf based Apriori Approach, *IJCA*, 2014, Proceedings ICACEA, No. 2, p. 34.
5. Aruna Govada, Shree S S. Ranjani, Aditi Viswanathan, S.K. Sahay, A Novel Approach to Distributed Multi-Class SVM, *TMLAI*, 2014, Vol. 2, No. 5, p. 72.
6. Rajendra Kumar Roul, Saransh Varshneya, Ashu Kalra, S.K. Sahay, A Novel Modified Apriori Approach for Web Document Clustering, *SIST*, 2014, Accepted for publications in Springer's Series on Smart Innovation, Systems and Technologies.
7. Rajendra Kumar Roul, Sachin Joglekar and S.K. Sahay, Automated Document Indexing via Intelligent Hierarchical Clustering: A Novel Approach, *IEEE Xplore*, 2014, Accepted for publications in IEEE Xplore.
8. Gawas Mahadev A., Lucy J. Gudino, K.R. Anupama and Joseph Rodrigues, "A Cross-Layer Delay-Aware Node Disjoint Multipath Routing Algorithm for Mobile Ad Hoc Networks", *International Journal of Wireless & Mobile Networks (IJWMN)* Vol. 6, No. 3, June 2014.

C. Conferences attended/papers presented:

1. Chaitanya Datye, Biju Raveendran and Sahil Deshpande, "LazyEDF: A Leakage-Aware DVFS Scheduler for Periodic Hard Real-Time Tasks", *IEEE International Conference ICIS-2014*, Dec 15 – 17, 2014.
2. Neethu Bal Mallya, Geeta Patil, Biju Raveendran, "Way Halted Prediction Cache : An Energy Efficient Cache Architecture for Embedded Processors", *28th International Conference on VLSI design*, Jan 3 – 7, 2015.
3. Ramprasad Joshi, Bharat Deshpande and Paritosh Gote: Objective Dimension and Problem Structure in Multiobjective Optimization Problems, *EvoApps 2014*, 23-25 April, 2014, Granada, Spain.
4. Ashish Nanda, Rohit Omanwar and Bharat Deshpande : User proling for personalized ranking of search results, *Eighth International Conference on Data Mining and Warehousing (ICDMW-2014)*, July 25th – 27th 2014, Bangalore, India.
5. Ashish Nanda, Rohit Omanwar, and Bharat Deshpande: Implicitly Learning a User Interest Profile for Personalization of Web Search using Collaborative Filtering, *IEEE/WIC/ACM International Conference on Web Intelligence*, 11-14 August, 2014, Warsaw, Poland.
6. L. J. Gudino, Joseph Rodrigues and Jagadeesha S. N., RLS- CMA Based Adaptive Interpolated Beamformer, *Sixth International Conference on Computational Intelligence and Communication Networks 2014 (Accepted)*.
7. Gawas, Mahadev A., Lucy J. Gudino, K. R. Anupama, and Joseph Rodrigues. A Cross-Layer Delay Aware Multipath Routing Algorithm for Mobile Adhoc Networks, *Fourth International Conference on Advances in Computing and Information technology (ACITY 2014)* May 24, 2014.
8. S C Dhongdi, Anupama K R, R H Sant, L J Gudino, Implementation of Multi-hop Time Synchronization on Miniature Test-bed Set-up of Underwater Acoustic Sensor Network, *Twentieth National Conference on Communication, NCC-14*, Feb 28-March 2, 2014 (IIT-Kanpur. India).
9. Sreejith V, K. R. Anupama, Lucy J. Gudino, Development of Energy Efficient Routing Protocol for Mobile Wireless Sensor Networks, *6th International Conference on Communication System and Networks, COMSNETS 2014*, 7-10 January, Bangalore. (Poster in PhD Forum, won Best PhD forum Award).
10. Catello Di Martino, Zbigniew Kalbarczyk, Ravishankar K Iyer, Geetika Goel, Santonu Sarkar, Rajeshwari Ganesan, Characterization of operational failures from a business data processing SaaS platform, *Companion Proceedings of the 36th International Conference on Software Engineering*, Date 2014/5/31.
11. A Paudice, S Sarkar, D Cotroneo, An Experiment with Conceptual Clustering for the Analysis of Security Alerts, *Software Reliability Engineering Workshops (ISSREW)*, 2014 IEEE International Symposium, 3-6 Nov. 2014, 335 – 340, Naples.

12. S Sarkar, R Ganesan, M Cinque, F Frattini, S Russo, A Savignano, Mining Invariants from SaaS Application Logs (Practical Experience Report), Dependable Computing Conference (EDCC), 2014, 50-57.
13. N Tiwari, S Sarkar, U Bellur, M Indrawan, An Empirical Study of Hadoop's Energy Efficiency on a HPC Cluster, Procedia Computer Science, 2014 International Conference on Computational Science, Vol. 29, 62-72.
14. A Pecchia, D Cotroneo, R Ganesan, S Sarkar, Filtering Security Alerts for the Analysis of a Production SaaS Cloud, Proceedings of the 2014 IEEE/ACM 7th International Conference on Utility and Cloud Computing (UCC'14).
15. F Frattini, S Sarkar, J Khasnabish, S Russo, Using Invariants for Anomaly Detection: The Case Study of a SaaS Application, Proc. IEEE iSSRe workshops (RSDA).
16. Aruna G, A Greedy Approach to the Multi-class SVM problem in a Distributed Environment, 2014 Grace Hopper Conference.
17. Gawas, Mahadev A., Lucy J. Gudino, K. R. Anupama, and Joseph Rodrigues. "A Cross-Layer Delay Aware Multipath Routing Algorithm for Mobile Adhoc Networks", Fourth International Conference on Advances in Computing and Information technology (ACITY 2014) , pp. 113–123, May 24, 2014.
18. Gawas Mahadev A., Lucy J. Gudino, K.R. Anupama , "Cross Layer QoS Aware Multi Rate Routing Protocol for Ad hoc Network", 2014 Eighth IEEE International Conference on Advanced Networks and Telecommunications Systems (ANTS): PhD Student Forum.
19. S C Dhongdi, Anupama K R, R H Sant, L J Gudino, "Implementation of Multi-hop Time Synchronization on Miniature Test-bed Set-up of Underwater Acoustic Sensor Network," Twentieth National Conference on Communication, NCC-14, IIT-Kanpur, Feb 28-March 2, 2014.
20. Nagaraju, Shamanth; Kadam, Bhushan V; Gudino, Lucy J; Nagaraja, Srinivasprasad M; Dave, Neisarg, "Performance analysis of rectangular, triangular and E-shaped microstrip patch antenna arrays for wireless sensor networks," Computer and Communication Technology (ICCCT), 2014 International Conference on , vol., no., pp.211,215, 26-28 Sept. 2014.

D. Books Published/Edited during the year: Nil

E. Conferences, seminars & workshops conducted

Computer Science Departments of K K Birla Goa Campus and Pilani campus jointly conducted Ind-Chile Workshop on Big Data at K K Birla Goa campus from 04/06/2014 to 06/06/2014.

F. Invited Talks given by BITS faculty:

G. Invited talks arranged in the department:

H. Awards and recognitions won by faculty and students

- V Sreejith received best PhD Presentation Award at COMSNET-2014, Bangalore -Jan 7 to 9.

I. Faculty Development, International Collaboration & Industry Immersion

J. Significant new equipments/experimental facility added during the year:

K. Departmental association/club activities: Nil

B2.10. 5 Department: Economics

Number of faculty members (as on 31 December 2014): **08**

Senior Professors, Professors	None
Associate Professors	1
Assistant Professors	5
Lecturers	2
Visiting Faculty	0

Head of the Department: Dr. Debasis Patnaik

Contact details: 0832-2580-429

marikesh@goa.bits-pilani.ac.in

Number of PhD Scholars: 11

Ph.D. Thesis Submitted during the year: None

Ph.D. Thesis Submitted during the year: None

A. Sponsored Research activities:

(i) Ongoing projects:

- **Project title:** A Study on Usage and Impact of Information and Communication Technology (ICT) in Secondary Schools
- **Principle investigator(PI):** Dr Ch V V S N V Prasad
Co – Investigator: Dr Debasis Patnaik
- **Funding agency:** BITS SEED GRANT

(ii) Projects sanctioned during the year

- **Project Title:** A Study on Usage and Impact of Information and Communication Technology (ICT) in Secondary Schools
- **Principal Investigator: Dr Ch V V S N V Prasad**
- **Co – Investigator: Dr Debasis Patnaik**
- **Funding Agency:** BITS SEED GRANT
- **Funding amount:** Rupees 7.5 Lakhs
- **Project Duration:** 2 years

(iii) Project Title- Rehabilitation in Mining in Goa-

- **Principal Investigator- Dr Aswini Kumar Mishra**
- **Working as Co-PI** for Project Application on Mining in Goa
- **Funding Agency-ICSSR**
- **Funding Amount-** Rs10lakhs
- **Project Duration-2years**

(iii) Projects completed this year

- **Project title:**
- **Principle investigator (PI):**
- **Co-PI:**
- **Funding agency:**
- **Date of completion of the project:**

**B. Publications:
Debasis Patnaik**

1. "Popular Literature, Translation and Interrogating Post Colonial India. Interrogating Post- Colonial India" International Journal of Humanities and Social Sciences, Aug2013 (Jt paper with Nanda K Hegde)
2. Selection problems in Probit, Logit, Tobit Models in Economic Applications published in International Journal of Computational Engineering, Aug2013 (Jt paper with Nikunj Purohit).
3. Springer Verlag Journal on Artificial Intelligence (AI): Paper titled "Economic, Cognitive and Philosophical Implications of AI" in Jan2013. Published in AI and Society, Springer 2013.
4. Patnaik Debasis and Jahnvi Potluri-"Economics of Education: Inequality in Primary Education in Districts of Andhra Pradesh_ A Principal Components Study- International Journal of Management, IT and Engineering, vol-3, Issue-12; ISSN 2249-0558 Dec 2013.
5. Mental health and Management Information System (CSR) a joint paper with Neha Repal published as a Chapter in a Book on Corporate Social Responsibility, Nov2013 edited by Dr Rekha Gaonkar, et.al...
6. Climate change Finance' Published in Journal of Accounting and Finance, Rajasthan in June2014.- Journal of Accounting and Finance; oct2013-March2014; ISSN 09709029-Research Development Association, Jaipur. Vol-28, Number-1; pp-42-49 (Jt paper with Babitha).
7. Systems Approach to Innovation management- GIABR Conference on 24- 25 Oct 2013. Published in GIABR, New Zealand-Journal of Business, iISSN No.23245832, 2014.
8. Markov analysis on Media Stocks. American Journal of Engineering Research (AJER) Published on Aug 5, 2014 w w w . a j e r . o r g Page 1 - e- ISSN : 2320-0847 and also p-ISSN : 2320-0936 Volume-3, Issue-8, pp- 0-0 www.ajer.org Algorithmic Finance Approach in Media Stock Analysis (Jt paper with Saurabh Suman).
9. Searching for an Alternative Information System: The Demolition of Caste' in International Journal of Engineering Research and Management (IJERM) ISSN-2349-2058-Vol-1, Issue 4, July2014.
10. International Journal FOR RESEARCH IN EMERGING SCIENCE AND TECHNOLOGY, VOLUME-1, ISSUE-3, AUGUST- 2014-Application of Pharma Economic Evaluation Tools for Analysis of Medical Conditions: A Case Study of an Educational Institution in India (Jt paper with Pranathi).
11. An Economics of Nano technology: The relative importance of Governmental funding and filing of patent application- with Mr KVS Raxit.
12. Australian Capital Gains and Commodity Taxes in China" Impact on investor behavior and revenue Earnings, China USA Business review, iISSN 1537-1514- June 2014, Vol 13- No-6, 384-390.
13. Credit rating factors relevant for emerging economies- D Patnaik and Himadree Kaushik- Published in Journal of Accounting and Finance, Rajasthan in October2014-ISSN 09709029.

Sessions Chair:

1. Was Discussant of two papers ('Training for trade' and 'Sovereign Bond Yields');and Chaired two sessions in Los Angeles Conference on Behavioral Economics nad Finance.
2. Chaired two sessions on Rural Development in Mancehster, UK in IUAES Conference "Indigenous Knowledge Systems for Agriculture" in Au5-10, 2013.
3. Chaired Session on Economic Outcomes in Indo US relations in Indo USA Conference on "Changing Contours of Indo US Relations in Oct31 to Nov 2 2014.
4. Chaired a Session on "Practical Aspects of Derivatives Trading" delivered by Prof. Babu Aiholi at the First technical Session of One Day National Seminar on Derivatives Market : Opportunities and Challenges" at Narayan Zantye College of Commerce and Economics, Goa on 01March2014.

Misc Activities:

1. Convener, Faculty Location Policy Review for HRA Determination in the New Expansion Policy of BITS- Pilani, K K Birla Goa Campus 2020- Committee comprises of Professor Ranjan Dey and Prof Ragnath rataoli.
2. Committee Member to assess students for Aditya Birla Award for Meritorious student on 9 Aug 2014 meeting.
3. Co-ordinator, North East Development Committee with the Vice Chancellor at the Chair.

4. Organizing Secretary for Indo US Conference organized by Deptt of Economics in collaboration with Deptt of HSS on Oct31- Nov 2 2014.
5. Invited by Goa Public Service Commission to serve as Expert to Interview Candidates for the Post of Assistant Professor in Science and Humanities (Economics) in Goa College of Engineering and in Commerce in Directorate of Higher Education on 7th March 2014 in Office of the Commission.
6. Reviewed paper sent by IAMR in 2014 –july-aug before on ‘Reservations, Creamy Layer and the Dalit Middle Class’.
7. Reviewed paper sent by IAMR in 2014 –july-aug before INTER-SOCIAL GROUP DISPARITIES IN EDUCATION IN INDIA.
8. Greetings from www.mbainfoline.com. We are glad to inform you that your interview got published in the home page of our website www.mbainfoline.com.
9. The TV Channel of Goa, GOA365 interviewed me on 1Nov2014as Secretary of Indo US Conference and Head, Depatt of Econo, BITS Pilani K K Birla Goa Campus.
10. Reviewed for IAMR, New Delhi on 14feb2014 article on ‘Fund Flow Pattern of Sarva Shiksha Abhiyan and its Cost-effectiveness in Uttar Pradesh, an Educationally Backward State in India’.
11. Conducted a Workshop on ”Inter-disciplinarity in Social Sciences” in Chowgule College, Goa on 22-23Aug2014 that comprised of 6 departments and 21 Faculty members including Professors.

Presentations:

1. Research Note on Official Statistical Systemsfor Health Reform in a National Conference on Saturday, 15th November 2014, at Gokhale Institute of Politics and Economics (GIPE), BMCC Road, Pune- 411004
2. Visited Colombo and presented a paper on “Identifying Business Opportunities in SMEs in an International Conference on Entrepreneurship organized by International Institute of Knowledge Management, Colombo, Sri Lanka.
3. Visited Los Angeles and presented a paper on Momentum and Contrarian Strategies: A Behavioral Approach” on 19th September2014 at Hotel Marriot. Was Discussant of two papers (‘Training for trade’ and ‘Sovereign Bond Yields’);and Chaired two sessions.
4. “Indigenous Knowledge Systems for Agriculture” presented in Mancehster, UK in Aug 3-6 2013.
5. Presented 5 papers as joint authors in Indo USA Conference on “Changing Contours of Indo US Relations in Oct31 to Nov 2 2014: 1- With Poonam Yadav- Gender Relations in IT Sector in India and USA.
6. Presented paper (jt) in indo USA Conference in Nov 1 2014- With Shashilata Yadav- Maternity Health treatment in Indian and uS Hospitals.
7. Presented paper (jt) in indo USA Conference in Nov 1 2014- With Sudhansu Maheswari- INDO USA Trade relations; Gravity Model;
8. Presented paper (jt) in indo USA Conference in Nov 1 2014With Yatharth Narang- Elliot Wave Identification and Implications in Indian and USA Stock markets.
9. Presented paper (jt) in indo USA Conference in Nov 1 2014- with Sarvesh Yadav- Natural Environment issues in Business; A strategic Management approach”.
10. Presented a joint(Abhijit) Paper titled, “Econometric Analysis of Price Discovery Assessments through Oil Futures: Case Study of NYMEX” at the National Seminar on Derivatives Market: Opportunities and Challenges” at Narayan Zantye College of Commerce , Goa on 01 March 2014.
11. Presented paper on Nov 11, 2013 in International Conference organized by GEA in collaboration with Indian Economic Association in Goa University on “Role of Labor Factor in Industrial Planning”.

Talks Organized by the Department:

1. Invited Mr Nitin Kantak, Vice President, Operations, Zuari Industries to speak on ‘Fertilizer Industry in India: Problems and Prospects” on February10, 2014 in LT-4 as part of Golden Jubilee Celebrations of BITS Pilani University undertaken by Department of Economics, BITS Pilani, K. K. Birla Goa Campus.
2. Invited Professor Rataboli, Director, Medicine, Goa Medical College, to talk on “How to Tackle Life Style Diseases?” on March22, 2014 in IT-4 as part of Golden Jubilee Celebrations of BITS Pilani University undertaken by Department of Economics, BITS Pilani, K. K. Birla Goa Campus.
3. Prof Karamjeet Singh Gill from Cambridge Univ on AI in Feb 2014.

Mridula Goel

1. Capital Adequacy and its Relevance to the Indian Banking Sector: A Study of Four Indian Banks, V.K. Narasimhan and Mridula Goel, International Research Journal of Social Sciences ISSN 2319–3565 Vol. 2(11), 1-6, November (2013).
2. Online publication at <http://www.indiastat.com/default.aspx> on State Level Inequalities in Economic Development. February 2013.
3. Published a paper on Role of CSR in Entrepreneurship Development, Mridula Goel, Tanmaya & Kirti in book: Corporate Social responsibility, eds. R. Gaonkar & V R Chari, APH 2013.

A. K. Mishra

1. A. K. Mishra, K. Narendra and Bibhu Prasad Kar 'Growth and Infrastructure Investment in India: Achievements, Challenges, and Opportunities', Economic Annals, Volume LVIII, No. 196, pp.51-70(January-March 2013).
2. A. K. Mishra, Jigar N. Gadhia, Bibhu Prasad Kar, Biswabas Patra and Shivi Anand 'Are Private Sector Banks More Sound and Efficient than Public Sector Banks? Assessments Based on Camel and Data Envelopment Analysis Approaches', Research Journal of Recent Sciences (RJRS), 2 (4), pp.28-35 (2013).
3. G.M Jha, A. Agrawal, A. Gupta and A.K. Mishra 'Determinants of FDI in South Asia', International Research Journal of Social Sciences (IRJSS), 2 (1), pp.1-6 (2013).

Chapters in Edited Book:

1. A. K. Mishra, S. Satpathy and B. Patra 'Is Sustainable Mining in Goa Possible? Some Issues and Empirics', in Mishra, Padmaja and Amarendra Das (eds.) Mining: Economic, Environmental and Social Implications, New Delhi: Abhijit Publications (2013)

Srivastava A. Mathur

1. S.K. (2013). Relative Prices, Trade, Technology and Wage Inequality – Evidence from India. Foreign Trade Review, Vol.48, 3, Pp.359-381.

Ch V V S N V Prasad

1. Prasad, Ch.V.V.S.N.V. (2013) 'Supply Chain Management Practices and its Implementation: A Case Study', Supply Chain Pulse, vol. 4, no. 1, pp.26-35.
2. Prasad, Ch.V.V.S.N.V. & R. Sivadas (2013): The Usage and Impact of ICT in Secondary Schools: A Case Study, Rajagiri Management Journal, Vol.7:2, 52-58
3. Prasad, Ch.V.V.S.N.V. & R. Sivadas (2013): Impact of Online Marketing on Small and Medium Size Business: A Case Study, Rajagiri Management Journal, Vol.7:2, 90-97

Session chair in conferences

1. Attended as session chair in national conference on society, state and market held at Dr K S Hegde Institute of Management Nitte University, Nitte.

Debdulal Thakur

1. Toll Roads or Non-Toll Roads: The debate in a nutshell', SAARC Journal of Transport, Vol.XIV, No.9, September 2013.
2. Right to Education and Infrastructural Facilities in Schools of West Bengal: A brief Review', -authored with Shrabani Mukherjee, Communique, Volume 7, Number 1 (Issue funded by Indian Council of Social and Scientific Research (ICSSR), New Delhi) March 2013.
3. Growing Dependence on Transfers and Rising Disparity in Municipal Finances in India: Evidence from Thirteenth Finance Commission', Co-authored with Shrabani Mukherjee, IJEF, e-ISSN: 2321-5933, p-ISSN: 2321-5925. Volume 1, Issue 1 (May.–Jun. 2013), Pp31-41.
4. Municipal Finance Matters'- Co authored with Om Prakash Mathur, S.Chowdhury & A.K.Halen, NIPFP, New Delhi.
5. Panchayats in West Bengal- Towards Developing the Pedagogy of the Common Mass- a brief note', Mulyayan, Volume 1, Number 2, Pp.36-43, Kolkata, West Bengal.

Shrabani Mukherjee

1. Coexistence of Formal and Informal Credit Markets in India --A Study of Entrepreneurial Choices for House-based Industries', Research in Applied Economics, Macrothink Institute-USA, ISSN 1948-5433, Vol. 5, No. 3, September 2013.
2. Right to Education and Infrastructural Facilities in Schools of West Bengal: A brief Review', -coauthored with Debdulal Thakur, Communique, Volume 7, Number 1 (Issue funded by Indian Council of Social and Scientific Research (ICSSR), New Delhi) March 2013, ISSN 0973-8584.
3. Growing Dependence on Transfers and Rising Disparity in Municipal Finances in India: Evidence from Thirteenth Finance Commission', Co-authored with Debdulal Thakur, IJEF, e-ISSN: 2321-5933, p-ISSN: 2321-5925. Volume 1, Issue 1 (May.-Jun. 2013), Pp31-41.

C. Conferences attended / papers presented:**Debasis Patnaik**

1. Paper on "Devising Bases for Indigenous Knowledge for Pro Poor Agricultural Systems' Presented in Manchester University, UK from 5th- 10 Aug2013.
2. Chaired two sessions on 'Issues in Rural Development' in the above IUAES Conference at Manchester from Aug5-10, 2013.
3. Presented a Paper on 'Climate change Finance" in International Conference on Business, Finance, IT held by Research Development Research Foundation, Jaipur, Rajasthan held in International Center, Goa on 29September2013.
4. Presented a paper on "Systems Approach to Innovation management" to Auckland, New Zealand for Conference Presentation and Publication in GIABR Conference on 24 - 25 Oct2013.
5. Presented paper on 'Labor force as important component of Development Planning 'to National Conference in Economic organized by Goa Economic Association in collaboration with Indian Economic Association held in Administrative building Seminar Hall, Goa University on 11 Nov 2013.
6. National Conference on 'India's Political Economy in Transition: The Crisis of Governance, Democracy and Development' Department of Political Science, Goa University, India 21-22nd December 2013. Presented a paper on India's uneven development growth path: An Industrial Perspective.
7. Presented a paper on "Public Health with Gynecological case study as part of CSR" jointly with Ms Shashilata Yadav in CSR National conference at MES College, Goa on 23 March 2013.
8. Presented a Paper on 'Theorizing Clusters for Corporate Social Responsibility' in CSR National conference at MES College, Goa on 23 March 2013.
9. Presented a joint paper on 'CSR and Financial health" in CSR National conference at MES College, Goa on 23 March 2013.
10. Edited and Reviewed a paper on "Industrial Growth in India" sent by Manpower Planning Journal in Feb2013. Later another paper by IAMR was reviewed.

Swagat K. Mishra

1. Attended 9th Ruhr Graduate Summer School on 'Trade and Climate Policy: Using GAMS and MPSGE applications' at University of Duisburg-Essen, Germany from 3rd-9th August, 2013.
2. Presented a paper titled 'Economics of scope in Rice and Fish integrated cultivation in Goa' at International Seminar on 'Emerging challenges and prospects of Indian Economy' organized by Goa Economic Association together with Indian Economic Association held on 11th November, 2013.

Mridula Goel

1. Business Ethics and Corporate Social Responsibility- Is there a dividing line? Mridula Goel, Preeti E. Ramanathan at SIMSARC 2013, International conference organized by SIMS, Pune Dec.12-13,2013, Chairperson for session on Marketing Management at SIMSARC 2013.

Shrabani Mukherjee

1. Does Institutional Rural Credit Cause Economic Growth in India? - A State Wise Scrutiny", 50th Annual Golden Jubilee Conference of the Indian Econometric Society (TIES), by Indira Gandhi Institute of Development Research (IGIDR), Mumbai during December 22-24, 2013.

A. K. Mishra

1. Agricultural Production and Sources of Agricultural Productivity in India- A Spatial Analysis (with Avinash Mittal, Swapnil Prashant Joshi and Bhargav Vishwanath) at the 50th Annual Golden Jubilee Conference of the Indian Econometric Society (TIES) organized by Indira Gandhi Institute of Development Research (IGIDR), Mumbai during December 22-24, 2013.
2. Financial Inclusion in India: Some Normatively Relevant Aspects of Inter-State Disparities (with Shyama Prasad Mohanty and Swagat Kishore Mishra) at the International Seminar on "Emerging Challenges and Prospects of Indian Economy", organized by Goa Economic Association in association with Indian Economic Association & Department of Economics, Goa University during November 11-12, 2013.
3. A short presentation on Financial Inclusion and Human Development across States in India at the Silver Jubilee Conference on Human Development organised by Indira Gandhi Institute of Development Research, Mumbai during September 26-28, 2013.

Debdulal Thakur

1. Expenditure for School Education in West Bengal: Examining Trends & Priorities', paper selected for presentation at the CESI Annual International Conference, 2013 hosted by the Department of Economics, University of Calcutta at Indian Statistical Institute- Kolkata, December 28-30, 2013.
2. NGOs Shaping State Policies: a brief note on the Indian scenario' co-authored with Abhijith Ashok & Shrabani Mukherjee, selected for presentation At National Seminar- Cum- Panel Discussion On "Rules Of Government: Role Of Corporate", Saturday, the 16th March 2013. Organized by Gitarattan International Business School, Delhi.

D. Books Published / Edited during the year:**Shrabani Mukherjee**

1. Fiscal Stress & Education Expenditure: A Tale of Two Indian States'- Co-authored with Debdulal Thakur, Lambert Academic Publishers, Germany, ISSN-978-3-659-42704-6.

Debdulal Thakur

1. Fiscal Stress & Education Expenditure: A Tale of Two Indian States'- Co-authored with Shrabani Mukherjee, Lambert Academic Publishers, Germany, ISSN-978-3-659-42704-6

E. Conferences, seminars & workshops conducted:**Debasis Patnaik**

1. Resource Person for Japanese Students (Study Tour to India) in Goa University on Nov 7, 2013; Took them to Zuari Industries for Industry visit arranged by Mr. Nitin Kantak, Vice President, Zuari Industries and his team of Officials on Dec22, 2013.

F. Invited Talks given by BITS faculty:**Debasis Patnaik**

1. Talk on 'Econometric Analysis of Foreign Direct Investment in India' in RBVRR College in association with Andhra Pradesh Chamber of Commerce and Industry, Hyderabad on March 25 2013.
2. Talk on Corporate Social Responsibility and Mental Health and Management Information System in MES College Conference on March 21, 2013.
3. National Budget 2013-14-Analysis; in Department of Economics, Goa University Invited talks arranged in the department by Debasis Patnaik on March 6. 201
4. Disruptive Entrepreneurship- talk on Goa management Day on February 20, 2013.
5. Technology and Economics- Administrative Staff College- Goa University on April 6. 2013.
6. Resource Person for Workshop on '**Indian Economy**' for Japanese Students in scholar Exchange Programme organized by Deptt of Economics and Sociology, Goa University.

Mridula Goel

1. Invited talk to Goan Diaspora on "**Entrepreneurial Leadership**", November 27, 2013 at BITS, Pilani K.K. Birla Goa Campus.

E. Invited talks arranged in the department:**Debasis Patnaik**

1. Prof. Babu Aiholi, Department of Economics, Goa University spoke on '**Technical Analysis**' on 14 Nov 2013.

A. K. Mishra

1. Industrial Clusters in India: Context and Policy Perspectives-An invited talk delivered by Prof. Keshab Das (of GIDR, Ahmedabad), on 29th October, 2013.

H. Awards and recognitions won by faculty and students:**Srivastava A. Mathur**

1. Completed PhD degree on 28th November 2013.

I. Faculty Development, International Collaboration & Industry Immersion:**Debdulal Thakur**

1. Successfully completed the 'Intensive Teaching Learning Workshop' for young faculties conducted by BITS-Pilani, K. K. Birla Goa Campus.
2. Officially mentored two students during the last semester (July to December 2013) to help them perform better in academics and overall performance.

J. Significant new equipments / experimental facility added during the year:**K. Departmental association / club activities:****Swagat K. Mishra**

1. Faculty Coordinator for the Visiting Advisory Committee comprising of two note worthy members Dr. Nachane and Dr. Somanathan for Department of Economics, BITS Pilani, K.K.Birla Goa Campus
2. Faculty Instructor for WILP coursework on Project Appraisal

B2.10.6 Department: EEE and E&I**Department: Electrical, Electronics and Instrumentation Engineering**

Number of faculty members (as on 31 December 2014): 23

Senior Professors, Professors	02
Associate Professors	01
Assistant Professors	08
Lecturers	12
Adjunct Faculty	0

Head of the Department: Prof M K Deshmukh

Contact details: mkd@goa.bits-pilani.ac.in

Number of PhD Scholars: 17 (10 Lecturers +7* Full time students)

Ph.D. Thesis Submitted during the year: 00

A. Sponsored Research activities:

The department has received the DST-FIST grant of Rs. **40 Lakhs** for VLSI softwares.

B. Publications:

The faculty of the department published 17 papers in international/national refereed journals during the year.

1. R. Femi, Shibu Clement, Anita Agrawal and A. Amalin Prince, "Investigation of Microelectromechanical Switches for Next Generation DC Power Distribution System" International Journal of Emerging Electric Power Systems (IJEEPS), Berkeley Electronic Press, Volume 15, Issue 6, Pages 591–605, ISSN (Online) 1553-779X, ISSN (Print) 2194-5756, DOI: [10.1515/ijeeps-2014-0042](https://doi.org/10.1515/ijeeps-2014-0042), November 2014.
2. R. Femi, Shibu Clement, Anita Agrawal and A. Amalin Prince "Effect of Electric Field on Electrical Breakdown Arc Behavior of Micro Contact Gaps: A 3D Approach", 6th IEEE PES Asia-Pacific Power and Energy Engineering conference, Hong Kong, December 2014.
3. R. Femi, Shibu Clement, Anita Agrawal and A. Amalin Prince, "Cross Tied Array of Electro-statically Actuated Micro-Electromechanical Switches for AC Circuit Breaking Applications" IEEE International Conference on Magnetism, Machines & Drives, July 2014. DOI:[10.1109/AICERA.2014.6908215](https://doi.org/10.1109/AICERA.2014.6908215)
4. C.Balakrishna Moorthy, M.K.Deshmukh, Darshana Mukherejee, "New Approach for Placing Wind Turbines in a Wind Farm Using Genetic Algorithm", Journal of Wind Engineering, Multi science and Co publications, Vol.38, No.6, page 633–642, 2014.
5. C.Balakrishna Moorthy, M.K.Deshmukh, "A new approach to optimise placement of wind turbines using particle swarm optimization", International Journal of Sustainable Energy, (Taylor and Francis publications)- (accepted for publication), 2013, DOI: [10.1080/14786451.2013.860140](https://doi.org/10.1080/14786451.2013.860140).
6. Kanungo L., Bacher G., Bhand S. Flow-Based Impedimetric Immunosensor for Aflatoxin Analysis in Milk Products. Applied Biochemistry and Biotechnology, 2014, 174:1157–1165.
7. Mishra G. K.*, Bacher, G.*, Roy, U., and Bhand, S. A label free impedimetric immunosensor for detection of Escherichia coli in water, Chemical sensors, 2015, 5-4.
8. Presented a poster at Indo- UK International Workshop On Advanced Materials And Their Applications In Nanotechnology (AMAN 2014) Organized by BITS Pilani, KK Birla Goa Campus (May 17- 19, 2014) entitled "Impedimetric immunosensor for bacterial detection" Geetesh K. Mishra, Gautam Bacher, Utpal Roy and Sunil Bhand.
9. S C Dhongdi, Anupama K R, R H Sant, L J Gudino, "Implementation of Multi-hop Time Synchronization on Miniature Test-bed Set-up of Underwater Acoustic Sensor Network," Twentieth National Conference on Communication, NCC-14, IIT-Kanpur, Feb 28-March 2, 2014.
10. M.K.Deshmukh, C.BalakrishnaMoorthy," Study of Characteristics of a Prospective Site for Wind Power Generation along a Sea-Coast in Goa, India- (Communicated to Journal of Renewable Energy, October 2014).
11. C.BalakrishnaMoorthy, M.K.Deshmukh" Estimation of wind power potential in a region of Goa, India using Weibull distribution function. – (under Review –International Journal of Energy and clean Environment, Nov 2014).
12. Nitin Sharma, A. Anpalagan "Multi-Objective Resource Allocation in Multiuser OFDM". IET Communication, IET Communications 7 (18), 2074 – 2083, 2014.
13. Nitin Sharma, A. Anpalagan "Joint Subcarrier and Power Allocation in downlinkOFDMA systems: An Multi-Objective Approach" European Transactions onTelecommunication, 25(10), PP- 993–1008, 2014.
14. Nitin Sharma, A. Anpalagan" Bee Colony Optimization Aided Resource Allocation in OFDMA Systems with Proportional Rate Constraints". ACM/Springer WINET20(7), pp 1699-1713, 2014
15. Nitin Sharma, A. Anpalagan "Composite Differential Evolution Aided ChannelAllocation in OFDMA Systems with Proportional Rate Constraints". IEEE/KICS Journal of communication and networks, 16(5), pp. 523-533, 2014.
16. Nitin Sharma, D K Badekha A. Anpalagan "Multi-objective Subchannel and Power Allocation in Interference-Limited Two Tier OFDMA Femtocells Networks", IEEE Systems Journal, Vol PP(99), 2014.
17. Shailendra Kumar Dhakad, Shubham Mishra "FPGA Based, Supervised Learning Incorporation In Arithmetic and Logic Unit" IJSER, volume 5, issue 7, July 2014
18. Meetha V Shenoy, Kirti Susan Varghese, Manasa Upadhaya, "A 8-bit SAR ADC using Current Mode Approach for Bio-Medical Applications" National Conference on Communication, Signal Processing and Networking-2014-NCCSN-2014
19. Meetha V Shenoy, Anupama K R, Sankar reddy "BSwarm Robot - A Low Cost Mobile Wireless Sensor Research Platform Using COTS Products". IEEE International Conference on Signal Processing, Informatics, Communication and Energy Systems (IEEE SPICES)
20. Sankhar Reddy, Anupama K R, Meetha V Shenoy "FlexEye - A Flexible Camera Mote for Sensor Networks" Second International conference on Signal Processing and integrated networks.IEEE SPIN 2014.

C. Conferences attended/papers presented:

1. R. Femi, Shibu Clement, Anita Agrawal and A. Amalin Prince, "Effect of Electric Field on Electrical Breakdown Arc Behavior of Micro Contact Gaps: A 3D Approach", 6th IEEE PES Asia-Pacific Power and Energy Engineering conference, Hong Kong, 7th-10th, December 2014. Hosted by:IEEE Hong Kong Joint Chapter of PES/IAS/PELS/IES. Sponsored by: IEEE Power & Energy Society. Conducted by: Chinese Society for Electrical Engineering, The Hong Kong Institution of Engineers, The Institution of Engineering & Technology, Hong Kong, The Hong Kong Polytechnic University.
2. R. Femi, Shibu Clement, Anita Agrawal and A. Amalin Prince, "Cross Tied Array of Electro-statically Actuated Micro-Electromechanical Switches for AC Circuit Breaking Applications" IEEE International Conference on Magnetism, Machines & Drives, July 24th -26th, 2014. DOI:10.1109/AICERA.2014.6908215 Sponsored by "IEEE Kerala Section" and Conducted by "Amal Jyothi College of Engineering Kanjirappally".
3. S C Dhongdi, Anupama K R, R H Sant, L J Gudino, "Implementation of Multi-hop Time Synchronization on Miniature Test-bed Set-up of Underwater Acoustic Sensor Network," Twentieth National Conference on Communication, NCC-14, IIT-Kanpur, Feb 28-March 2, 2014
4. Meetha V Shenoy, Kirti Susan Varghese, Manasa Upadhaya, "A 8-bit SAR ADC using Current Mode Approach for Bio-Medical Applications" National Conference on Communication, Signal Processing and Networking-2014-NCCSN-2014 Sponsored by: IEEE and KSCSTE. Hosted by: NSS College of Engineering, Pallakad,Kerala.
5. Nitin Sharma, A. Anpalagan and M. Obaidat (Mohammad Obaidat, Petros Nicopolitidis, Faouzi Zarai Editors of the book) "Modeling and Simulation of Computer Networks and Systems" Elsevier's publication.??
6. Pravin S. Mane, Namita Paul, Nikhilesh Behera, Madankumar Sampath, C. K. Ramesha, "Hybrid CMOS-Memristor Based Configurable Logic Block Design", IEEE International Conference on Electronics and Communication Systems 2014(ICECS'14), (ISBN : 978-1-4799-2320-5/14, pp. 332-336).
7. Kartikeya Bhardwaj , Pravin Mane , Joerg Henkel, "Power and Area-Efficient Approximate Wallace Tree Multiplier for Error-Resilient Systems", 15th International Symposium on Quality Electronic Design (ISQED 2014), (ISBN :978-1-4799-3945-9, pp. 263-269).
8. Pravin Mane, Vivek Varier, Unnikrishnan S Prasad, Shridevi Muthkhod, C K Ramesha, "Nanocrossbar Based LUT Design For Reconfigurable Logic", International Conference on Microelectronics, Circuits and Systems,July 2014, Kolkata.
9. Kartikeya Bhardwaj, Pravin Mane, "C3Map and ARPSO Based Mapping Algorithms for Energy-Efficient Regular 3-D NoC Architectures", International Symposium on VLSI Design, Automation and Test (VLSI-DAT), 2014, Hsinchu (Taiwan), (ISBN: 978-1-4799-2776-0 pp. 1-4)
10. Pravin Mane, Nishil Talati, Ameya Riswadkar, Ramesh Raghu, C. K. Ramesha, "Implicating Logic Functions with Memristors ", International SoC Design Conference 2014 (ISODC 2014), Jeju, South Korea, (ISBN: 978-1-4799-5127-7, pp. 232-233)
11. R. Femi, Shibu Clement, Anita Agrawal and A. Amalin Prince, "Effect of Electric Field on Electrical Breakdown Arc Behavior of Micro Contact Gaps: A 3D Approach", 6th IEEE PES Asia-Pacific Power and Energy Engineering conference, Hong Kong, 7th-10th, December 2014. Hosted by:IEEE Hong Kong Joint Chapter of PES/IAS/PELS/IES. Sponsored by: IEEE Power & Energy Society. Conducted by: Chinese Society for Electrical Engineering, The Hong Kong Institution of Engineers, The Institution of Engineering & Technology, Hong Kong, The Hong Kong Polytechnic University.
12. R. Femi, Shibu Clement, Anita Agrawal and A. Amalin Prince, "Cross Tied Array of Electro-statically Actuated Micro-Electromechanical Switches for AC Circuit Breaking Applications" IEEE International Conference on Magnetism, Machines & Drives, July 24th -26th, 2014. DOI:10.1109/AICERA.2014.6908215Sponsored by "IEEE Kerala Section" and Conducted by "Amal Jyothi College of Engineering Kanjirappally".
13. Pravin S. Mane, Namita Paul, Nikhilesh Behera, Madankumar Sampath, C. K. Ramesha, "Hybrid CMOS-Memristor Based Configurable Logic Block Design", IEEE International Conference on Electronics and Communication Systems 2014(ICECS'14), (ISBN : 978-1-4799-2320-5/14, pp. 332-336).
14. Rajalekshmi Kishore, Ramesha C K,Viren Sharma, Roopal Joshi, Performance Evaluation of Energy Based Spectrum Sensing in Multipath Fading Channel for Cognitive Radio System, IEEE National Conference on Communication Signal Processing & Networking (NCCSN 2014).
15. Pravin Mane, Vivek Varier, Unnikrishnan S Prasad, Shridevi Muthkhod, C K Ramesha, "Nanocrossbar Based LUT Design For Reconfigurable Logic", International Conference on Microelectronics, Circuits and Systems,July 2014, Kolkata.
16. Kartikeya Bhardwaj, Pravin Mane, "C3Map and ARPSO Based Mapping Algorithms for Energy-Efficient Regular 3-D NoC Architectures", International Symposium on VLSI Design, Automation and Test (VLSI-DAT), 2014, Hsinchu (Taiwan), (ISBN: 978-1-4799-2776-0 pp. 1-4)

17. Pravin Mane, Nishil Talati, Ameya Riswadkar, Ramesh Raghu, C. K. Ramesha, "Implicating Logic Functions with Memristors ", International SoC Design Conference 2014 (ISOCC 2014), Jeju, South Korea, (ISBN: 978-1-4799-5127-7, pp. 232-233)

D. Books Published/Edited during the year: Nil

E. Patents: 01

1. International Application Published under the Patent Cooperation Treaty PCT: A device for detection and analysis of Mycotoxins", Application (PCT/IN2014/000176), Ownership-ICAR, Govt. Of India. Inventors: Sunil Bhand, Sudhir Chandra, Hardik Pandya, Gautam Bacher, Lizy Kanungo , WO/2014/155391, October 02, 2014. (Output from chapter 4).

F. Conferences, seminars & workshops conducted: NIL

G. Invited Talks given by BITS faculty:

1. Dr. A. Amalin Prince Delivered a talk on 'Recent Trends in Real Time Signal Processing and Communication', National Conference on Advances in Image Processing and Communication, 21 March 2014, Nagercoil, India.
2. Dr. A. Amalin Prince Delivered a talk on 'Applications of Reconfigurable Computing Systems', Marthandam College of Engineering and Technology, Marthandam, Tamilnadu, 19 March 2014.

H. Invited talks arranged in the department:

1. A talk by Shri. Satish Agnihotri, Secretary, MNRE, Govt of India, on "Promoting Renewable Hybrid Systems in India", January 5th, 2014
2. A talk on " Embedded System Design and Applications" by Mr. Abhay Samant, Product Design Manager, National Instruments, Bangalore, on February, 8th, 2014
3. A talk on "Opportunities for Advancement of Academic Collaboration with Indian Naval Academy" by Cmde. P. Sridhar, Registrar, INA, Ezhimala, March, 19th, 2014
4. A talk on "Role of Instrumentation Engineers in Industrial Plant Designing and Opearation", by Mr. Govardhan, MD and CEO, October 8th, 2014
5. A talk on "Research Opportunities in Under Water Communication" by Cmdr. Arnab Das, Army Institute of Technology, Pune on 8-11-2014
6. A talk on "Recent Trends in Real Time Signal Processing and Communication", National Conference on Advances in Image Processing and Communication, 21 March 2014, Nagercoil, India.
7. A talk on 'Applications of Reconfigurable Computing Systems', Marthandam College of Engineering and Technology, Marthandam, Tamilnadu, 19 March 2014.

I. Awards and recognitions won by faculty and students:Nil

J. Faculty Development, International Collaboration & Industry Immersion:

1. An MoU with Indian Naval Academy, Ezhimala, Tamil Nadu, has been signed on March 19th, 2014.
2. Prof. M. K. Deshmukh, was invited to participate in International WindSim Users Meet organized by WindSim AS, Norway, on June 24-26, 2014. He also attended advance Training Program on WindSim and WindSim Express, simulation tools for Wind power projects, June 29- July 3rd, 2014.
3. An MoU for Academic exchange and collaborative R&D has been signed between University of Life Sciences, (NMBU), As, Norway on September, 15th, 2014

K. Significant new equipments/experimental facility added during the year:

1. Weather observatory ,Power electronic lab and Renewable energy lab has been established.
2. Reconfigurable Computing and Network lab is added with the following tools
 - Xilinx Vivado System Edition 25 Licenses
 - Xilinx Zynq SoC Zed board 8 numbers.

L. Departmental association/club activities/workshop attended:

1. Organized Workshop for MATLAB Users on June 22nd, 2014 and & November, 14th, 2014, in collaboration with ADCCC, Mumbai.
2. ARM - Xilinx SoC Lab-in-a-Box One day workshop on 16th December 2014 at Grand Sala Conference room, Hotel Cidade De Goa, Vanguinim Beach, Goa, India
3. Prof. M. K. Deshmukh Innovations in SMART Grid Technologies on 27-9-2014 VLSI Circuit Simulation Technologies : Synopsys and Mentor Graphics on 13-10-2014.
4. Organized Workshop on :Synopsys- Simulation Tools”, October, 13th, 2014
5. Mr. C.Balakrishna Moorthy, attended workshop on WINDSIM software for Wind Resource assessment, at Chennai, 19th, Sep, 2014.
6. Mrs. R.Femi attended a workshop on INUP Familiarization workshop on “Nanofabrication Technologies”, Indian Institute of Science, Bangalore, May 21-23, 2014.
7. Ms. Meetha V Shenoy attended MATLAB User training July 22nd EEE Department in Goa campus.
8. Ms. Meetha V Shenoy attended Introductory Course on Marine Robotics held at National Institute of Oceanography Dona Paula ,Panjim 28-31Jan 2014
9. Mr. Sarang C. Dhongdi attended an National Workshop on Network, Network Simulation and Information security, NWNSIS 2014 started from 24-29 Nov 2014.
10. Mr Shailendra Kumar Dhakad attended the following workshop during the year 2014
 - (i) A Short term course on Mechatronics, MEMS and Micro-Fabrication IIT Indore 7-11 July 2014.
 - (ii) INUP Hands-on Training Workshop on ‘Fabrication of MEMS Sensor’ IIT Bombay 18-23 August 2014.
 - (iii) Workshop on “Antenna Design & Simulations using FEKO” Amity University Rajasthan, Jaipur 13-14 Nov 2014.

B2.10.7 Department: Humanities and Social Sciences

Number of faculty members (as on 31 December 2014): 15

Senior Professors, Professors	1
Associate Professors	0
Assistant Professors	8
Lecturers	3
Visiting Faculty	3

Head of the Department: Meenakshi Raman

Contact details(email): mraman@goa.bits-pilani.ac.in

Number of PhD Scholars: 10 (lecturers 2 + Full time 4+ Part time 4)

Ph.D. Thesis Submitted during the year: 1

A. Sponsored Research activities:

Total number of Sponsored Projects in the department: 02 Details are given below.

(i) Projects Sanctioned this year : 1

Principal Investigator : DR. K. A. GEETHA

Literature as an Instrument of Social Change : A Critical Study of Readers' Response to Dalit Literature

Funding Agency : UGC

Amount : Rs. 8,26,400.

(ii) Ongoing Projects : 2**UGC Major Project : 6.5 Lakhs**

Topic : Cross Cultural Communication :An Empirical Analysis of Cross Cultural Communication Variables in Indian Industries and Academia. (Sanctioned 2013)

Principal Investigator : Dr. Basavadatta Mitra

Research Initiation Grant : BITS Pilani (1.85Lacs)

Topic : Frontier as Tourist Construct in the Postmodern Novels of Ishmael Reed, E.L. Doctorow, Cormac McCarthy, and Thomas Pynchon." (2013)

Principal Investigator : Dr. Nilak Datta

(iii) Projects completed this year:

ICSSR (6.58 Lacs)

Topic: Exploring Spiritual Quotient and Analyzing its Impact on the Research Performance of University Teachers

Principal Investigator: Dr. Shalini Upadhyay

(i) Firebird Foundation for Anthropological Studies, USA : 5 Lakhs

Topic : Fieldwork for creating a dictionary of Mudugar language (Sanctioned in 2012)

Principal Investigator : Rayson K.

B. Publications:**International Journals**

1. Raman Meenakshi. Promoting Integrated Language Learning through Dictogloss. 2014. International Journal of English and Literature (IJEL) ISSN(P): 2249-6912; ISSN(E): 2249-8028, Special Edition, June 2014, 53-58.
2. Raman Meenakshi. Interpersonal Communication as an Essential Ingredient of Organizational Bonding. 2014. ELT Weekly, Vol. 6, Issue 15. June 9, 2014. ISSN 0975-3036.
3. Raman Meenakshi. Interpersonal Communication as a Tool for Effective Hospital Administration, International Journal of Communication, Vo. 24, No. 1, Jan-June 2014. Pp 78-90
4. Reena Cheruvalath. 2014. Politics of Mobility in Indian Politics - With special reference to Electoral Behavior, Humanities Circle- International Journal of Central University of Kerala, 2(1): 143-155
5. Shalini Upadhyay Teaching Students the Team Building Skills through Small Group Activity Involving Creative Writing, International Journal of Communication, Vo. 24, No. 1, Jan-June 2014. Pp 121-129
6. Nilak Datta. Book review of Sarika Chandra's Dislocalism: The Crisis of Globalization and the Remobilizing of Americanism. The Johns Hopkins University Press, Modern Fiction Studies. 60. 2 (2014): 393-396.
7. Amitendu Bhattacharya, "Afternoon Tea with Khushwant Singh", Lokaratna (Journal of the Folklore Foundation), Vol. VIII, December 2014 (accepted for publication)

C. Books Published/Edited during the year:

1. Raman Meenakshi and Sangeeta Sharma. 2014 . Technical Communication GTU 2nd Edition, New Delhi : OUP
2. Raman Meenakshi and Sangeeta Sharma. 2014. Professional Communication. 2nd Edition. UPTU. New Delhi : OUP
3. Raman Meenakshi and Sangeeta Sharma. 2014. Fundamentals of Technical Communication. New Delhi : OUP
4. Alex, Rayson K., S. Susan Deborah and Sachindev P.S., eds. Culture and Media: Ecocritical Explorations. London: Cambridge Scholars Publishing, 2014. Print. (ISBN: D00005182-9)
5. Gupta, M. and Pushkar. Democracy, Civil Society and Health in India. Basingstoke: Palgrave Macmillan, 2014. 136pp.

<http://www.palgrave.com/page/detail/democracy-civil-society-and-health-in-india-madhvi-gupta/?K=9781137365743>

Chapters in Books

1. Reena Cheruvalath. Teaching ethics to engineering students in India: Issues and challenges, in Contemporary Ethical Issues in Engineering (Ed.) Satya Sundar Sethy, IGI Global Publishing, USA 2014
2. Reena Cheruvalath. An Integrative Model of organizational commitment, in Acquisition, Nurturing and Retention of Talent - A Futuristic Approach (Eds.) Ashok Aima and Shahid Mushtaq, Cengage Learning, India 2014.
3. Alex, Rayson K. "Introduction." Culture and Media: Ecocritical Explorations. Eds, Rayson K. Alex, S. Susan Deborah and Sachindev P.S. London: Cambridge Scholars Publishing, 2014. Print. 1-9.
4. Alex, Rayson K. "Towards T-Documentary: Critiquing Ecocinema." Culture and Media: Ecocritical Explorations. Eds, Rayson K. Alex, S. Susan Deborah and Sachindev P.S. London: Cambridge Scholars Publishing, 2014. Print. 12-33.
5. Alex, Rayson K. "Tribal People on Screen: Ecological Representation in Documentaries." Culture and Media: Ecocritical Explorations. Eds, Rayson K. Alex, S. Susan Deborah and Sachindev P.S. London: Cambridge Scholars Publishing, 2014. Print. 131-140.
6. Solano Jose Da Silva (2014) 'Goa: The Dynamics of Reversal' in Jenkins, R., Kennedy, L & Mukhopadhyay, P. (eds) Power, Policy and Protest: The Politics of India's Special Economic Zones. New Delhi, Oxford University Press.

D. Conferences attended/papers presented:

1. Raman Meenakshi. Interpersonal Communication as a tool for Effective Hospital Administration. Adwitya 2014 National Conference on Healthcare in 21st Century, IHMR, Bangalore. 23-24 January 2014.
2. Reena Cheruvalath, 'The Sociality of Morality in Personal and professional relationships: An Indian woman perspective', International and Interdisciplinary Conference on Language, Culture and Values: East and West, Jawaharlal Nehru University, New Delhi, December 16-18,2014, conducted by School of Language, Literature and Culture Studies of Jawaharlal Nehru University and Institute of Cultural Studies and Academic Exchange USA.
3. Nilak Datta, "Under Western Eyes: Tourist Gazes in recent Postcolonial Indian Fictions", IACLALS Annual Conference 2014 (Indian Association of Commonwealth Literature and Language Studies) co-hosted by Panjab University (Feb 20-22, 2014). Conference Proceedings to be brought out in The IACLALS Journal in the next Annual Conference to be held in BITS –Goa, Feb 12-14, 2015.
4. Alex Rayson K Paper titled "The Tribal People Should Speak: Representations of Indigeneity in Ecodocumentaries" in the International Conference on English Language and Social Change organised by The Department of English at Lingaya's University, Faridabad, New Delhi on 8 February 2014.

Conferences Abroad (1)

1. RP Pradhan "Indo-Japan Engagement: Connotation to ASEAN Plus & Plus" for the NIDA International Conference in Bangkok , 9-11th October 2014.

E. Conferences, seminars & workshops conducted : 3

The department organized three conferences :

1. tiNAI Eco Film Festival 31 Jan-01 Feb. 2014
2. International Conference on "Towards Ecocultural Ethics : Recent Trends and Future Directions " 9-11 October 2014
3. International Conference on " Changing Contours of Indo-US Relations : Perceptions, Continuity and Change : 31 October – 02 November 2014

F. Invited Talks given by BITS faculty:**Meenakshi Raman**

1. delivered Keynote Address on " Promoting Integrated Language Learning through Dictogloss" at the first International conference on "English Language in Technical Education" held at the Global Institute of Management and Technology, Nadia, West Bengal during 14-15 February 2014
2. conducted a Faculty Development Program (FDP) at Jaipuria Institute of Management, Noida for the faculty members of Business Communication from all campuses of JIM on 23 April 2014

3. delivered an invited talk on "Life at BITS" to a gathering of about 500 students and parents organized by Integra Eduventure, Nagpur on 3 May 2014 at Hotel LB, Nagpur (iii) conducted a two-day FDP at Sri Vidyaniketan Engineering College, Tirupati for 75 teachers during 26-27 September 2014.
4. conducted a two-day workshop for students and faculty on "Pragmatic strategies for Effective Business Communication" at the Global College of Engineering and Technology, Kadapa, AP, during 28-29 November 2014

Rayson K. Alex Dr. Rayson K Alex, Assistant professor, Humanities and Social Sciences conducted a series of 8 workshops on Ecofilm Appreciation for Students of various colleges in Goa during 11-18 January 2014: MES College, Zuarinagar, Smt. Parvatibai Chowgule's College of Arts and Science, Madgaon, Dhempe College of Arts and Science, Miramar, Goa University, St. Xavier's College of Arts, Science and Commerce, Mapusa and PES College of Arts and Science, Ponda, between 11-18 January 2014. Dr. Alex also conducted a workshop for teachers and research scholars "Appreciating Ecocinema" at Lingaya's University, Faridabad, and New Delhi on 07 February 2014.

conducted two sessions on "Good English For Research Reporting" as the Resource Person for UGC Refresher Course on Research Methodology organized by the Goa University on 25 September 2014.

Shalini Upadhyay, Assistant professor, Humanities and Social Sciences, conducted a session on Effective Oral Communication for a Refresher Course organized by Academic Staff College (Dept of Computer Science), Goa University, on 11 Jan 2014. As the Chief Guest at the inaugural event of the Writing Centre at Chowgule College of Arts and Science on 4 March 2014, she delivered the keynote address on the "Importance and Different Stages of Creative Writing".

Invited Talks Abroad : NIL

G. Invited talks arranged in the department: NIL

H. Awards and recognitions won by faculty and students:

1. Meenakshi Raman has been appointed as the Member of Board of Studies, Sciences and Humanities of Satyabhama University, Chennai (25.09.2014) She has also been appointed as the Special Invitee for the IQAC of MES college, Goa (29.10.2014) .
2. Rayson K. Alex was appointed as a Member of the Technical Advisory Committee of Science and Technology Communication Programme, "Jal Sutra: Eco & WaSH Futures" of National Council for Science and Technology Communication (NSTC) of Department of Science and Technology under Ministry of Science and Technology, New Delhi (2014 - 2016). He was invited as a guest to lead a panel discussion on Water Discourse in the "Learning Exchange & Youth Leadership Workshop for Eco & WaSH Futures: Jal Sutra in Young Hands" held on 20th October 2015 at the Centre for Water Resources Development and Management, Kunnamangalam, Kozhicode, Kerala, and he spoke on Ecological Literacy.
3. Solano Da Silva, Department of Humanities and Social Sciences, was invited to spend two months at the School of the Build Environment at Heriot-Watt University, Edinburgh, UK during May-July 2014 to research on the politics of land-use planning which is part of his PhD topic.
4. Meenakshi Raman has been appointed as reviewed 2 papers (i) for the AIMS International Journal of Management and (ii) for the British Journal of Education, Society & Behavioural Science

I. Faculty Development, International Collaboration & Industry Immersion:

Goa Literary Festival

Three Faculty members Dr.K A Geetha, Dr.Basavadatta Mitra, Mr.Amitendu Bhattacharya and two research scholars Mr.Gnanabharathi and Mr.Sushant Kishore attended the literary festival organized by the International Centre Goa during 1-4 December 2014.

J. Significant new equipments/experimental facility added during the year: NIL

K. Departmental association/club activities:

Department Seminars: Six seminars were organized and the speakers were Prof.GJV Prasad, Jnu, New Delhi; Dr.Anibel Ferus Comelo, Adjunct Faculty, Chowgule College; Prof.M G Ramanan, University of Hyderabad; Dr.R.P Pradhan, Mr.Amitendu Bhattacharya and Dr.Anoop George, IIT Bombay.

The Department selected 23 students to participate and present in the National Seminar on Role of Youth in Enhancing Participatory Democracy organized by International Centre, Goa on 24th August 2014. Mr.Solano Jose Da Silva and Dr.Manisha Dixit coordinated the selection and preparation of students for this seminar.

B2.10.8 Department: Mathematics

Number of faculty members (as on 31 December 2014): 13

Senior Professors, Professors	00
Associate Professors	01
Assistant Professors	10
Lecturers	02
Visiting Faculty	00

Head of the Department: Dr Prasanna Kumar N

Number of PhD Scholars: 07 (3 FT+2PT+2L)

Ph.D. Thesis Submitted during the year: NIL

A. Sponsored Research activities:**(i) Ongoing projects:**

1. Project Title: Mathematical modeling and simulation of crack in smart materials
Principal Investigator: Dr. Amit Setia
Sponsor: BITS, Pilani under Research Initiation Grant, Mission budget
Amount: Rs. 2 Lakhs (2011-with extension)
2. Project Title: Portfolio Optimization and its Implementation in Financial Markets
Principal Investigator: Dr Mayank Goel
Funding Agency: Research Initiation Grant, Mission Budget
Amount: Rs. 2 Lakhs (2013-)
3. Project Title: Studies on neighborhood magic graphs
Principal Investigator: Dr. T. Singh
Sponsor: Department of Science & Technology, Govt. of India.
Amount: Rs. 12.69360 Lakhs (2013-)
4. Project Title: Multidimensional dark energy cosmological model in modified theories of gravitation
Principal Investigator: Dr. G.Smanta
Sponsor: U.G.C
Amount: Rs. 6 Lakhs (2014-)
5. Project Title: Establishment of Scientific computation Laboratory
Principal coordinator: Dr. Dhanumjaya
Sponsor: DST-FIST
Amount: Rs.37.5 Lakhs (2014-)

(ii) Projects sanctioned during the year:

1. Project Title: Multidimensional dark energy cosmological model in modified theories of gravitation
Principal Investigator: Dr. G.Smanta
Sponsor: U.G.C
Amount: Rs. 6 Lakhs
2. Project Title: Establishment of Scientific computation Laboratory
Principal coordinator: Dr. Dhanumjaya
Sponsor: DST-FIST
Amount: Rs.37.5 Lakhs

B. Books Published/Edited during the year:**Faculty Members joined: NIL****Invited lectures/talks delivered by faculty members:**

1. (Dr. Amit Setia) Delivered a talk on Numerical method to solve fractional Integro-differential equation using Wavelet at AMS Special Session at the 2014 Joint Mathematics Meetings in Baltimore, Maryland, USA, during January 15-18th, 2014 in Baltimore, Convention Center.
2. (Dr. P. Dhanumjaya) Participated as a Speaker and Resource Person for a National Program on Differential Equations: Theory, Computation and Applications UG-Level training program held at Maulana Azad National Institute of Technology (MANIT), Bhopal from 26th May to 14th June 2014.
3. (Dr. P. Dhanumjaya) Participated as a Resource Person for a National Level Workshop on "Orthogonal Spline Collocation Methods for Differential Equations" held at South Asian University, New Delhi during 21-24 March 2014.
4. (Dr. P. Dhanumjaya) Delivered an Invited talk in UGC Sponsored National Level Conference on Numerical Analysis and its Applications held at Gokhale Centenary College, Ankola, Karnataka State during 10-11 January 2014.
5. (Dr. Tarkeshwar Singh) Delivered 4 invited lectures on Applications of Graceful and Skolem Graceful Graphs (Signed Graphs, in an Instructional Workshop on Graph Labeling Problems, organized by n-CARDMATH (national center for advanced research in Discrete Mathematics) Kalasalingam University, Anand Nagar, Krishnan Kovil, Tamil Nadu during Feb. 5-11, 2014.
6. (Dr. Tarkeshwar Singh) Delivered an invited lecture on Digraphs and its Applications, Raishwar Institute of Technology Shiroda, Goa on March 19, 2014.
7. (Dr. Tarkeshwar Singh) Delivered two popular talks on thoughts on mathematics education (a motivational program for School and College Students) during Nov. 02-06, 2014, at T.D.P.G. College Jaunpur, U.P.
8. (Dr. Tarkeshwar Singh) Delivered two invited lectures on Graph Theory and Partition Theory in National Conference on Recent Developments in Special Functions and their Applications during Nov. 04-06, 2014, at T.D.P.G. College Jaunpur, U.P.
9. (Dr. Tarkeshwar Singh) Delivered an invited talk on (k, d) -Skolem Graceful Graphs, in 8th International Workshop on Graph Labelings(IWOGL-2014), during Dec. 03-06, 2014, organized by n-CARDMATH (national center for advanced research in Discrete Mathematics) Kalasalingam University, Anand Nagar, Krishnan Kovil, Tamil Nadu.

Research Publications:

- **Journals (international)**

1. Prasanna Kumar, On the Topological Situations in Geographic Spaces, Annals of GIS, 20(2), 131 - 137, 2014.
2. Amit Setia, Solution of various cases of Cauchy type singular integral equation, Applied Mathematics and Computation 230 (2014) 200-207.
3. Amit Setia, Yucheng Liu, A. S. Vatsala, Numerical solution of Fredholm-Volterra fractional integro-differential equations with nonlocal boundary conditions, Journal of Fractional Calculus and Applications, 5 (2014) 155-165.
4. (Veeky Baths, Tarkeshwar Singh, Anil Kumar) Disruption of Cell Wall Fatty Acid Biosynthesis in Mycobacterium Tuberculosis Using the Concept of Minimum Robust Domination Energy of a Graph, Annual Research & Review in Biology, 4, no. 12 (2014), 2037-2044.
5. (R.B. Sonawane, Anil Kumar, S.B. Nimse) Exact Controllability of Wave Equation with Multiplicative Controls, Appl. Math. E-Notes, 14 (2014), 45-52.
6. Sahoo, J.K., Deepak Rishi, Speaker recognition using support vector machines, International Journal of Electrical, Electronics and Data Communications, 2(2):1-4,2014
7. Smrutirekha Debata, Milu Acharya and G. C. Samanta, An inventory model for perishable items with quadratic trapezoidal type demand under partial backlogging, International Journal of Industrial Engineering Computations, Accepted for publication on 3rd December 2014.
8. G. C. Samanta, Universe described by variable modified chaplygin gas with statefinder diagnostic in general relativity, International Journal of Theoretical Physics, Vol. 53, 1867-1878 (2014).

9. G. C. Samanta, S. Jaiswal and S. K. Biswal: Universe described by dark energy in the form wet dark fluid (WDF) in higher dimensional space time, *The European Physical Journal Plus*, Vol. 129, 48 (2014).
10. G. C. Samanta: Dark energy and future singularity of the universe in Kaluza-Klein space time, *Astrophysics and Space Science*, Vol. 353, 731-736 (2014).
11. A.M. Dhorajia: Total graph of the ring $Z_n \times Z_m$ accepted for publication in *Discrete Mathematics, Algorithms and Applications*.
12. T. A. Naidu, Prabal Paul and V.Ch.Venkaiah, Computationally Perfect Compartmented Secret Sharing Schemes based on MDS codes, accepted for publication in '*International Journal of Trust Management in Computing and Communications*'.
13. T. Singh, Veeky Baths and Anil Kumar, Disruption of Cell wall fatty acid biosynthesis in Mycobacterium tuberculosis using the concept of minimum robust domination energy of graph, *Annual Research & Review in Biology*, 4(12):2037-2014.
14. T. Singh, Jessica Pereira, S. Arumugam and Tao-Min Wang, On (k, d) -Skolem Graceful Graphs, accepted for publications in *Electronic Notes in Discrete Mathematics*.
15. T. Singh, Jessica Pereira and S. Arumugam, A new Measure for Gracefulness of Graphs, accepted for publications in *Electronic Notes in Discrete Mathematics*.
16. T. Singh, A. Godinho and S. Arumugam, On S-magic Graphs, accepted for publications in *Electronic Notes in Discrete Mathematics*.

Journals (national) : Nil

Proceedings in conferences

1. Raghavendra G S and Prasanna Kumar, Application of Ant Algorithm Variants to Single Track Railway Scheduling Problem, *Advances in Intelligent Systems and Computing*, 258, 741-753, 2014.
2. (R.B. Sonawane, Anil Kumar, S.B. Nimse) Numerical Optimal Control for Bilinear Hyperbolic PDEs, 4th Nirma University International Conference on Engineering (NUICONE 2013), November 28-30, 2013, Nirma University, Ahmedabad, India. (10.1109/NUICONE.2013.6780203).
3. (R.B. Sonawane, Anil Kumar, S.B. Nimse) Optimal Control of a vibrating string with variable axial load and damping gain, 3rd International Conference on Advances in Control and Optimization of Dynamical Systems (ACDOS-2014), March 13-15, 2014, IIT Kanpur, Kanpur, India, International Federation of Automatic Control (IFAC), Elsevier, 75-81, 2014 (DOI: 10.3182/20140313-3-IN-3024.00087).
4. Kratarth Goel, Raunaq Vohra, and J.K. Sahoo, Polyphonics Music Generation by modeling Temporal Dependencies using RNN-DBN, *Lecture Notes in Computer Science (LNCS)*, 8681, 217-224, 2014, Germany.
5. Naidu, Paul, P., Vadlamudi, C.V.: Computationally Perfect Secret Sharing Scheme Based on Error-Correcting Codes. *Recent Trends in Computer Networks and Distributed Systems Security Communications in Computer and Information Science Volume 420*, 2014, pp 251-262.
6. Vinit Gela, M.S. Suraj, Kshitij Patil, Bijil Prakash, "Monocular Vision Based Autonomous Navigation for Arbitrarily Shaped Urban Roads". *Inproceedings of International Conference on Machine Vision and Machine Learning*, Prague, Czech Republic, 14-15 August 2014.

C. Paper presentations in International/National Conferences:

1. (Dr. Amit Setia) presented a paper entitled "The solution of the Bagley–Torvik equation by using second kind Chebyshev wavelet" with co-authors: Yucheng Liu, A. S. Vatsala at 11th International Conference on Information Technology: New Generations held at Las Vegas, USA, during April 7-9, 2014.
2. (Dr. Amit Setia) presented a paper entitled "Solution of linear fractional Fredholm integro-differential equation by using second kind Chebyshev wavelet" with co-authors: Yucheng Liu, A. S. Vatsala, at 11th International Conference on Information Technology: New Generations held at Las Vegas, USA, during April 7-9, 2014.
3. (Dr. G. C. Samanta) presented a paper entitled Higher dimensional mesonic string cosmological models in Lyra geometry, in UGC National seminar on "Exact Solutions of Einstein's Field Equations" organized by Rev. Dr. A. O. Konnully Memorial Research Center and Post Graduate Department of Mathematics, during December 11-12 2014 at St. Albert's College, Ernakulam.
4. (Manoj Pandey), presented a paper entitled Exact Solutions of Magnetogasdynamic Equations, Presented at the International Conference on Special Functions & Their Applications (ICSFA 2014). Organized at Thapar University Patiala.

5. (Dr. P. Dhanumjaya) presented a paper in National Level Conference on Numerical Analysis and its Applications held at Gokhale Centenary College, Ankola, Karnataka State during 10-11 January 2014.
Title of the Talk: Finite Element Methods to one-dimensional Extended Fisher- Kolmogorov (EFK) Equation.
6. (Dr. P. Dhanumjaya) presented a paper in an International Conference on Computational PDE, Finite Element Meet-2014 held at TIFR-CAM, Bangalore during 18-20 December 2014.
Title of the Talk: Nonconforming Finite Element Methods to fourth order nonlinear parabolic type equations.
7. (Dr. Alpesh M. Dhorajia) presented a paper in the conference on Graph Theory, Matrix Theory and Interaction, held at Queen's University, Kingston, Canada, June 20-21, 2014.
Title of the Talk: Basic Properties of Total Graphs of Certain Rings,
8. Mrs. Jessica Pereira presented a research paper titled "A New Measure for Gracefulness of Graphs" at the eighth international workshop on Graph Labelings (IWOGL -2014) from Dec 03-06, 2014, organized by Kalasalingum University, Tamil Nadu.

Workshops Attended:

1. (Dr. J. K. Sahoo) Attended 5-day workshop on 'Computational Intelligence' at Department of Computer Science, KIIT University, Bhubaneswar during June 24-28, 2014.
2. (Mr. Bijil Prakash) Advanced Workshop on Computational Methods for Integral Equations & Applications (AWCMIEA-2014), IIT Kanpur, 13th to 17th January 2014.
3. (Dr. Alpesh M. Dhorajia) "Projective modules and affine fibrations" held at IIT Bombay during 10th - 14th March 2014.

D. Books Published/Edited during the year: None

E. Conferences, seminars & workshops conducted in the department:

1. Organized a department level workshop on "Expectations from Faculty Members for Deeper Industry Engagement" on November 11, 2014.
2. Organized a workshop on "Introductory workshop on MATLAB for students" during September 20-21, 2014 in collaboration with Department of Physics.

F. Invited talks arranged in the BITS:

G. Invited talks arranged in the department:

1. December 8, 2014, Dr. Sanjiban Santra, Australian postdoctoral fellow, School of Mathematics and Statistics, The University of Sydney, Australia, delivered a talk on "Existence and Non-existence of Bounded Solution for Fourth Order ODE".
2. August 19, 2014, Prof. D. M. Kulkarni, Dean-Administration, BITS Pilani KK Birla Goa Campus conferred the departmental award for seminar, Ahlfors seminar award -2014 to Dr Alpesh M Dhorajia and addressed the gathering
3. May 18-19, 2014, Dr. R. Thangadurai, Associate Professor, Harish Chandra Research Institute, Allahabad, visited Mathematics Department for collaborative research work.
4. April 3, 2014, Prof. S. Arumugam, Director, National Center for Advanced Research in Discrete Mathematics (n-CARDATH) Kalasalingam University, Tamil Nadu, delivered a talk on "Risk Management in Portfolios-Applications of Signed Graphs".
5. March 23, 2014, Prof. Govendan Rangarajan, Department of Mathematics, IISc Bangalore, delivered a talk on "Brain Machine Interface".
6. February 11, 2014, Prof. Meenakshi Raman, Head Department of Humanities and Social Sciences, BITS Pilani KK Birla Goa Campus conferred the departmental award for seminar, Ahlfors seminar award -2013 to Dr. Jajati K Sahoo and delivered a short address.
7. February 1, 2014, Dr. A. K. Singh, Scientist-D, DST India, delivered a talk on "Various Schemes in DST for Students and Faculties".
8. January 23, 2014, Dr. Vishal Saraswat, Assistant Professor, C. R. Rao Advanced Institute of Mathematics, statistics and Computer Science, Hyderabad delivered a talk on "Public-Key Encryption with Searchable Keywords Based on Jacobi".

9. January 10, 2014, Prof. T.E.S. Raghavan, Emeritus Professor, Department of Mathematics, Statistics and Computer Science, University of Illinois at Chicago delivered a talk on "Game Theory and its Applications".
10. January 9, 2014, Prof. T.E.S. Raghavan, Emeritus Professor, Department of Mathematics, Statistics and Computer Science, University of Illinois at Chicago delivered a talk on "Graph Theoretic Algorithm for Assignment games".

H. Achievements/Awards by the Faculty members:

Dr. Amit Setia: One year Post Doctoral research under Raman Fellowship for Post Doctoral Research for Indian Scholars in United States for the year 2013-14 awarded by UGC, at University of Louisiana, Lafayette, USA.

I. Faculty Development, National/International Collaboration & Industry/ University Immersion:

1. **Dr. Amit Setia** published one paper and two international conference papers with
Dr. Yucheng Liu,

Department of Mechanical Engineering,

University of Louisiana,

Lafayette, Louisiana-70503, USA

e-mail ID: yxl5763@louisiana.edu

Prof. A. S. Vatsala, Department of Mathematics,

University of Louisiana, Lafayette, Louisiana-70504, USA

e-mail ID: vatsala@louisiana.edu

2. Dr. Anil Kumar Visited Department of Mathematics, Indian Institute of Science, Bangalore under Indo-French Centre for Applied Mathematics (IFCAM) Visitors Program during the period from May 24, 2014 to June 24, 2014 and worked with Prof. A. K. Nandkumaran on the topic "Optimal control of the velocity term in a Kirchhoff plate equation with multiplicative control".
3. Dr. Tarkeshwar Singh: MOU (in the process) between Newcastle University Australia and Tunghai University Taiwan.
4. Dr Prasanna Kumar visited Department of Mathematics and Statistics, Auburn University, USA under University Immersion Program

J. Significant new equipments/experimental facility added during the year: nil

K. Departmental association/club activities:

Mathlets association celebrated its first ever Department Day on 23, March 2014. Prof. Govindan Rangarajan, Department of Mathematics, IISc Bangalore honored the event as the Chief Guest. Students conducted various events related to Mathematics all through the day.

Any other information:

(Dr. P. Dhanumjaya, Mr. Bijil Prakash, Dr. Alpesh M. Dhorajia, Dr. Prabal Paul, Dr. Mayank Goel) Participated in PS-1 duty in the summer. (Duration: 23rd May 2014 to 17th July 2014).

B2.10.09 Department: Mechanical Engineering

Number of faculty members (as on 31 December 2014) : 13

Senior Professors, Professors	00
Associate Professors	02
Assistant Professors	07
Lecturers	04
Visiting Faculty	00

Head of the Department: Dr. Shibu Clement**Contact details:** shibu@goa.bits-pilani.ac.in**Number of PhD Scholars:** 07**Ph.D. Thesis Submitted during the year:** 01**A. Sponsored Research activities:**

Total number of Sponsored Projects in the department: 09. Details are given below.

(i) Ongoing projects: 06

1. Experimental Investigations of Rotational Moulding Process Using Nano-Scale Fumed Silica Composites.(PI: Sachin Waigaonkar)
2. Rotational Moulding of LLDPE using Nano scale Fumed Silica Composites, MHRD / UGC, INR 6 Lakhs. (PI: Sachin Waigaonkar)
3. FIST Project under the thrust area of Polymer and Composite Material Processing, Machine Dynamics & Vibration Lab , DST/BITS Pilani Goa, INR 18 Lakhs Campus (P M Singru, Shibu Clement and Sachin Waigaonkar)
4. M. Srikanth, Shibu Clement, Sachin Waigaonkar Development and Demonstration of Two centralized wastewater treatment plants Water, Water and Energy Management under center of excellence, BITS Pilani (PI: M. Srikanth)
5. Experimental Wear Analysis of an Artificial Hip Implant Materials using Advanced Tribometer Customized for Bio- Tribological Studies Co-Funded by: Aditya Birla Sci & Technology Center (ABSTC), Mumbai, DUCOM Instruments Bangalore, Department of Sci & Technology (DST), Delhi. (PI: D.M.Kulkarni / Anant Kulkarni)
6. Flow investigation through μ ED-milled metallic micro channels, DST Fast Track Scheme for Young Scientist, INR 23 Lakhs. (PI: G. Karthikeyan)

(ii) Projects sanctioned during the year: 1

1. Dr. Ranjit S Patil, DST Fast Track Scheme for Young Scientist "Study and Analysis of Fluid Dynamics and Heat Transfer Characteristics in Circulating Fluidized Bed Heat Exchanger with Novel Designs of Distributor Plates". Cost: Rs. 22,98,000/-.

(iii) Projects completed this year: 2

1. Project on National MEMS Design Center established in 2011 , funded by NPMASS has been COMPLETED SUCCESSFULLY
2. Experimental Investigation of Friction and Wear Mechanism for Hip Prosthesis Material using Multi-Station Tribometer. Machine or test rig is given for the period of six months to BITS GOA Campus by DUCOM Instruments (PI: D.M.Kulkarni / Anant Kulkarni).

B. Publications: 20

Sl. No.	Authors	Title of the Publication	Journal	Vol	Pages
1	PL.Ramkumar, D.M.Kulkarni, V.V.R Abhijit, Aditya Cherukumudi	Investigation of Melt Flow Index and Impact Strength of Foamed LLDPE for Rotational Moulding Process	Procedia Materials Science, Elsevier	6	361-367
2	PL. Ramkumar, D M Kulkarni and V V Chaudhari	Parametric and mechanical characterization of linear low density polyethylene (LLDPE) using rotational moulding technology	Sadhana, Springer	39	625-635
3	PL. Ramkumar and D.M. Kulkarni	Objective-based multiple attribute decision-making method for plastic manufacturing process selection	Int. J. Manufacturing Technology and Management, Inderscience	28	184-199
4	Ranjit S. Patil, Pinakeswar Mahanta, and Manmohan Pandey	Experimental and Computational Studies on Effects of Scale-up of Riser on Heat Transfer Characteristics of Circulating Fluidized Bed	Book Chapter "Transactions on Engineering Technologies - World Congress Engineering 2014" published by Springer (Accepted).		Accepted
5	Kiran D. Mali and Pravin M. Singru	On the Use of Greatest Integer Function to Express Material Property Variation in Free Vibration Problem of Simply Supported Square Plates with Square Array of Circular Perforations	Procedia Materials Science, Elsevier	6	409-416
6	Kiran D. Mali , Pravin M. Singru	Determination of modal constant for fundamental frequency of perforated plate by Rayleigh's method using experimental values of natural frequency	International journal of Acoustics and Vibration		Accepted
7	R. Femi, Shibu Clement, Anita Agrawal and A. Amalin Prince	Investigation of Microelectromechanical Switches for Next Generation DC Power Distribution System	International Journal of Emerging Electric Power Systems	15	591-605
8	Girish Chandran and Sachin Waigaonkar	Rheological Characteristics of Linear Low Density Polyethylene – Fumed Silica Nano composites	Book Chapter: Advanced Polymeric Materials (From Macro to Nano Length Scales),Chapter-4, Apple Academic press, ISBN: 9781771880961		
9	PL. Ramkumar, Dhananjay M. Kulkarni, and Sachin D. Waigaonkar	Macro Level Investigation on Thickness Variation of Roto-Moulded LLDPE Product	Book Chapter: Advanced Polymeric Materials (From Macro to Nano Length Scales),Chapter 7, Apple Academic press, ISBN: 9781771880961		
10	V V Chaudhari and D M Kulkarni	Influence of Loading Rate on Fracture Behaviour of Extra Deep Drawn Steel Sheets	Accepted for publication: Fatigue & Fracture of Engineering		

Sl. No.	Authors	Title of the Publication	Journal	Vol	Pages
			Materials and Structures		
11	Raghavendra D. Naik & Pravin M. Singru	Stability of a Nonlinear Quarter-Car System with Multiple time-Delays	International Journal of Acoustics and Vibration (accepted for publication on May 9,2014).		
12	Garg, A., Vijayaraghavan, V. and Singru, P.M	An Integrated Computational Approach for determining the Elastic Properties of Boron Nitride Nanotubes	accepted for publication in International Journal of Mechanics and Materials in Design.		
13	Dillip Kumar Mohanty and P M Singru	Fouling analysis of a shell & tube heat exchanger using local linear wavelet neural network	accepted for publication in International Journal of Heat and Mass Transfer, Elsevier		
14	A. Garg, V. Vijayaraghavan, C. H. Wong, K. Tai, Pravin M Singru, L. Gao and Y. Bhalerao	General regression neural network model for the evaluation of geometry dependent mechanical characteristics of carbon nanotubes	accepted for publication in Journal of Zhejiang University SCIENCE A , Springer.		
15	V Vijayaraghavan, A. Garg, C.H Wong, K. Tai, Pravin M. Singru	Investigation of Mechanical Strength of 2-D Nanoscale Structures using a Molecular dynamics based computational intelligence approach	accepted for publication in International Journal of Modern Physics Letters B.		
16	Venkatesh Vijayaraghavan, Akhil Garg, Chee How Wong, Kang Tai, K Sumithra, Liang Gao, Pravin M Singru,	Combined CI-MD approach in formulation of engineering moduli of single layer graphene sheet	accepted for publication in Simulation Modelling Practice and Theory(July 25, 2014)		
17	A Garg, V Vijayaraghavan, C H Wong, K Tai, K Sumithra, Pravin M. Singru, Leehter Yao	Application of artificial intelligence technique for modeling elastic properties of 2-D nanoscale material	Molecular simulation", Taylor and Francis accepted on July 26,2014.		
18	V. Vijayaraghavan, A. Garg, C. H. Wong, K. Tai, K. Pravin M. Singru, and L. Gao	On the Study of Machining Characteristics of 2-D Nanoscale Material	Nanoscience Nanotechnology Letters	6	1079-1086
19	A Garg, V Vijayaraghavan, K Tai, Pravin M. Singru, L. Gao and K.S. Sangwan	An ensemble evolutionary approach in evaluation of surface finish reduction of vibratory finishing process	accepted in Engineering Computations, (19.11.2014).		
20	P. Kousik, Pravin M Singru and Narayan manjrekar	Comparing PID and H- ∞ Controllers on a 2-DoF Nonlinear Quarter Car Suspension System	accepted for publication in Journal of Vibro-Engineering on 19.11.2014		

C. Conferences attended/papers presented: 17

Sl. No.	Presenter	Title of Paper	Conference Name	Location	Date
1	PL.Ramkumar	Investigation of Melt Flow Index and Impact Strength of Foamed	ICMPC 2014	Hydrabad	8th & 9th march 2014
2	P. A. Kulkarni, K. P. Shete,	Effect of Barrel Wall Fin of the Cyclone Separator on Fluid	FMFP 2014	IIT Kanpur	12th-14th December

Sl. No.	Presenter	Title of Paper	Conference Name	Location	Date
	S. Jogdankar, and R. S. Patil	Dynamic Characteristics			2014
3	K. P. Shete, P. A. Kulkarni, and R. S. Patil	Computational Studies on Effects of Novel Geometries of Distributor Plates on Fluid	FMFP 2014	IIT Kanpur	12th-14th December 2014
4	R. S. Patil, P. Mahanta, and M. Pandey	Effect of Superficial Velocity of Air and Riser Cross Sectional Area Heat Transfer	ICME 2014	Imperial College London, UK	2nd-4th July 2014
5	G. N. Shelke, P. Mahanta, and R. S. Patil	Experimental Studies on Thermal Behaviour of Downdraft Gasifier	ICME 2014	Imperial College London, UK	2nd-4th July 2014
6	Kiran C.P., Shibu Clement, H.Chelladurai	Experimental evaluation of quality interactions in material processing	International conference on Product Life cycle, Modeling, Simulation and Synthesis (PLMSS 2014)	VITS, Vellore, Tamilnadu, India.	6-8 January, 2014
7	M. Sreedhar Babu, Abhijit Padhiary, S. Clement and N.K.S.Rajan	Effect of Biomass Derived Producer Gas Fuel Quality on Heating Value and its Influence on Flame Speeds	2nd International Conference on Emerging Trends in Energy and Environment	Sairam Engineering College, Chennai, Tamil Nadu, India	9-10 January, 2014
8	Sagar Bose, Rohan Verma, Kriti Garuda, Aditya Tripathi and Shibu Clement	Modeling, Analysis and Fabrication of a Thrust Vectoring Spherical VTOL Aerial Vehicle	35th IEEE Aerospace Conference	Yellowstone Conference Center, Big Sky, Montana, USA	1-8 March, 2014
9	Phaneendra Kiran Chaganti and Shibu Clement	x-abilities and attributes based decision making in evaluation and selection of a turbine blade material	ASME 2014 International Manufacturing Science and Engineering Conference	Detroit, Michigan, USA	9-13 June, 2014
10	R. Femi, Shibu Clement, Anita Agrawal and A. Amalin Prince	Cross Tied Array of Electrostatically Actuated Micro-Electromechanical Switches for AC Circuit Breaking Applications	IEEE International Conference on Magnetics, Machines & Drives	Amal Jyothi College of Engineering, Kanjirappally, Kerala, India	24-26 July 2014
11	Saurabh Sharma and Shibu Clement	CFD Simulation of the flow characteristics of NACA 0012, NACA 6409 and DHMTU airfoils in Ground Effect	ASME 2014 4th Joint US-European Fluids Engineering Division Summer Meeting and 11th International Conference on Nanochannels, Microchannels, and Minichannels	Chicago, Illinois, USA	3-7 August, 2014
12	R. Femi, Shibu Clement, Anita Agrawal and A. Amalin Prince	Effect of Electric Field on Electrical Breakdown Arc Behavior of Micro Contact Gaps: A 3D Approach	6th IEEE PES Asia-Pacific Power and Energy Engineering conference	Hong Kong	7-10 December 2014
13	Shreyak Yadav, Sushant Kumar and Shibu Clement	Interrupted jet impingement of nanofluids on heated surfaces	5th International Congress on Computational Mechanics and Simulation (ICCMS-2014)	CSIR-Structural Engineering Research Centre, Chennai, India	10-13 December, 2014

Sl. No.	Presenter	Title of Paper	Conference Name	Location	Date
14	Sachin Waigaonkar and Girish Chandran	Simulation of Rotational Moulding of Plastics for a Rock and Roll Rotational Moulding Machine using ROTOSIM	9th International Materials Technology Conference and Exhibition (IMTCE 2014)	Institute of Materials, Kulalumpur, Malaysia	May 13-16 2014
15	Girish Chandran and Sachin Waigaonkar	Experimental investigations on mechanical properties of Linear Low Density Polyethylene - Fumed Silica nano composites	3rd World Conference on Applied Sciences, Engineering and Technology (WCSET-2014)	Nepal	27-29 September 2014
16	Girish Chandran and Sachin Waigaonkar	Rheological Characteristics of Linear Low Density Polyethylene – Fumed Silica Nano composites,	International conference on Advanced Polymeric Materials	Center of Nanoscience and Technology, Kottaya, Kerala.	2013
17	Kiran Mali, Pravin singru	On the Use of Greatest Integer Function to Express Material Property Variation in Free Vibration Problem of Simply Supported Square Plates with Square Array of Circular Perforations	ICMPC 2014	Hydrabad	8th & 9th march 2014

D. Books Published/Edited during the year: 5

1. Dr. Ranjit Patil: Reviewed Two Research Paper of FMFP 2014 held at IIT Kanpur.
2. Dr. Shibu Clement: Reviewed Three chapters of forthcoming Fluid Mechanics and Machinery text book by Oxford University Press.
3. Kiran Mali:Reviewed two Research Papers one each for the journals 1) International journal of acoustics and vibration 2) Ain Shams Engineering Journal(Elsevier)
4. Dr. Vikas Chaudhari: Review a paper in for ASME PVP 2014 (ASME 2014 Pressure Vessels & Piping Conference)
5. Dr. Vikas Chaudhari: Review a paper for Internation Journal; Fatigue & Fracture of Engineering Materials & Structures.

E. Conferences, seminars & workshops conducted: 3

Sl. No.	Title	Date	Description
1	DST-PAC meeting	29-30th May, 2014	Programme advisory committee for mechanical manufacturing engineering and robotics. This was coordinated by Dr. Vikas Chaudhari and Prof. D.M. Kulkarni
2	Pro-E workshop	15 th & 16th of November, 2014	The workshop was organized and conducted by Dr. Shibu Clement and Mr. PL.Ramkumar, BITS Pilani – KK Birla Goa Campus. Mr. Athul from Krotos Engineering was the resource person. In two day program he introduced the different modules of Pro-E.
3	ANSYS-CFD	15 th & 18th of December, 2014	The workshop was organized and conducted by Dr. Shibu Clement and Mr. M. Sreedhar Babu, BITS Pilani – KK Birla Goa Campus. Mr. Ashish Mittal from "Innovant Engineering Pvt.Ltd." Bangalore was the resource person. This was a 4 day workshop which covered setting up of problem and simulation process considering applications like Multi Phase Fluid Flow and introduction to IC engine module.

F. Invited Talks given by BITS faculty: 3

Sl. No.	Authors	Host	Title	Date
1	Dr. Ranjit S Patil	IIT Guwahati	Characteristics of Flow in Fluidized Bed and Microtubes	26th June 2014
2	Dr. Sachin Waigaonkar	Institute of Chemical technology (ICT) Mumbai	Rotational Moulding of Plastics and Effect of Nanoscale Reinforcements	3/7/2014
3	Dr. Sachin Waigaonkar	FDP at SGGS College of Engg. and Tech. Nanded	Rheological Characteristics of Linear Low Density Polyethylene-Fumed Silica Nano-composites for Rotational Moulding of Plastics	3/8/2014

G. Invited talks arranged in the department: NIL**H. Awards and recognitions won by faculty and students:**

Sl. No.	Name	Association/Society member
1	Dr. Ranjit S Patil	INSA Visiting Scientist Award 2014, INSA Govt. of India
2	Ujash D Shah (2012A4PS134G)	Recipient of ASME Power Division Scholarship
3	Praharsh Pai Raikar (2012A4PS012G)	Recipient of MITACS Globalink Research Internship, University of Waterloo – Canada
4	Dr. Shibu Clement	SAE India
5	Dr. Ranjit S Patil	SAE India

I. Faculty Development, International Collaboration & Industry Immersion: NIL**J. Significant new equipments/experimental facility added during the year:20**

Significant equipment added during this year is as follows:

S.No.	Particulars
1	Abaqus Software (Simulia academic Abaqus Teaching Edition) - Limited Nodes
2	Electroplating DC Power supply device having Input-240V AC, Output- 30V, 30Amps DC with powder coated sheet metal enclosure comprising of 5A Variac, Transformer - 1KVA, Digital Voltmeter, Digital Ammeter, MCB at input side etc.
3	Upgraded for Model 831 sound level meter. FFT analysis. Model No. 831-FFT-BNDL
4	Upgraded Model 831 sound level meter. Real-time 1/1 & 1/3 octave filter set. Model No. 831-OB3-BNDL
5	3 Year License bundle for STAR-CCM+ software, 60 active processes network license, STAR-CD 20 active process network license and 10ES-ICE
6	Vacuum /Pressure Pump, 230V, 50/60 Hz, Single Phase, 1/8Hp, 1/PK
7	Ultrasonic Cleaning Machine: No. of Chambers: 1-Ultrasonic, Tank Dimensions (mm) 10"x10"x15", Power supply voltage 230v/50Hz. Ultrasonic Power 500watt, Ultrasounds frequency 34+/-3 KHz
8	Brookfield Viscometer, Model: LVDV 2T CP with CPA-40Z Spindle along with standard accessories with Viscosity Fluid 5 cps
9	Dimension Elite 3D Printer
10	KD2 Pro.: Part # 40348 KD2 Pro Thermal Properties Analyser
11	a) ANSYS ACADEMIC RESEARCH MECHANICAL & CFD Unlimited Nodes , Version 15.0, 5 Users Perpetual b) ANSYS ACADEMIC RESEARCH HPC 16 Core Perpetual
12	Academic TAH Licence for MATLAB
13	Ansys Academic Teaching Mechanical & CFD Version 15.0, 256000 Nodes. 75 users perpetual.

S.No.	Particulars
14	MR Damper long length. Model: RD-8041-1
15	Wonder kit Box controller. Model: RD-3002-03
16	Vertical Turret Milling Machine
17	Surface Roughness Tester 178-583-02E - Surftest, SJ-412 (4mN type) with accessories.
18	Research Test Rig with Digital Pressure Indicator and Class 1/3 DIN type RTD
19	AVL Digas 444 5 Gas analyser (CO, CO ₂ , HC, O ₂ , 7 Nox Lambda Calculated) with Diesel application probe
20	Aluminium Melting Furnace Capacity : 15 Kg

K. Departmental association/club activities:

The following students association has arranged different activities under following categories.

(i) MESA

1. Organized department orientation and fresher's meet
2. Organized guest talk on Career Prospects for Mechanical Engineering Students by Mr. Balasubramanian Muthukumar in co-ordination with BITSAA.
3. Organized PTC CREO Workshop under guidance of Mr. PL Ramkumar sir.
4. Organized ANSYS Workshop in co-ordination with ASME.
5. Unveiling and Showcase of first F1 style car from campus, The Sieg under co-ordination with SAE.

(ii) Society of Automotive Engineering (SAE)

1. Increase in the club activities and members in the society to 138 members
2. Collaboration with Center for Technical Education(CTE) for conducting a course on 'Vehicle Dynamics and Design'
3. An one day workshop was conducted on 'Introduction to F1 engineering'
4. Team Grease Monkeys, official Student Formula 2014 team, secured an overall rank of 23 out of 196 nation-wide participating teams in maiden attempt
5. Unveiling and showcase of Formula styled car, 'Sieg' outside B-dome in association with Mesa
6. A new team of 25 members, named 'Team Grease Monkeys' was formed for making an All-terrain vehicle to participate in 'BAJA 2015' competition. They were shortlisted among the top 120 teams out of 323 other teams
7. We are currently manufacturing the car and the vehicle will be ready by February 10, 2015
8. A new team of 8 members, named 'Team Ecotroopers', was formed for making a three wheeled hybrid vehicle to participate in 'Efficycle 2014' competition. The team secured a rank of 51 out of 97 participating teams
9. Our Student Formula known as Team Grease Monkeys qualified in the virtual round of 'Student Formula 2015' held at Chennai and secured 1st rank in respective judging panel and overall 19th rank out of 167 teams
10. The manufacturing phase of the formula style vehicle has started and is anticipated to be finished by April 30, 2015

(iii) Team Robocon

1. Formation of a 20-member team including members from various disciplines like Mechanical, EEE, ENI etc. to participate in the national round of the international competition ABU Robocon 2015.
2. The team has been working since August 2014 for the competition whose theme is Robo-Minton or Robotic Badminton.
3. The team is building 2 robots capable of playing in doubles format. The robots are capable of serving and returning.

4. The team has made efficient use of new technologies like electro-pneumatic actuation and omni-directional wheeled motion.
5. The competition will take place on 5 Complex, Pune and will be telecasted live on national television.
6. The team participated in the past and secured 32nd rank out of 90 participating teams in 2014

(iv) ASME BITS-Pilani Goa Campus Student Section

1. Orientation session regarding ASME Chapter and the activities involved. Motivational talk by Dr. Shibu Clement and Dr. Trushar Gohil.
2. ASME student membership for 72 students.
3. Organised ANSYS CFD 4-day workshop for 109 students and several faculty members.
4. Explorations on Maglev wind turbine, and applications of CATIA and Solidworks.
5. Exploration on aerospace propulsion and a workshop on 3-D printing is in pipeline.

B2.10.10 Department: Physics

Number of faculty members (as on 31 December 2014): 17

Senior Professors, Professors	01
Associate Professors	03
Assistant Professors	12
Lecturers	00
Visiting Faculty	01

Head of the Department: Gaurav Dar

Contact details: gdar@goa.bits-pilani.ac.in

Number of PhD Scholars: 12

Ph.D. Thesis Submitted during the year: 0

A. Sponsored Research activities:

Total number of Sponsored Projects in the department: 07

Details are given below.

Ongoing projects:

1. **Project title:** Improving the energy conversion efficiency of Solar Cells using Spin Caloritronics
Principle Investigator (PI): E.S.Kannan
Co-PI: None
Funding agency: Development of Science and Technology
Funding amount: 22 Lakhs
Project Duration - 2012 December to 2015 December (3 Years) Started Date 25-11-13
2. **Project Title:** Magneto transport in magnetic tunnel junctions
Principal Investigator: Dr. Ram Shanker Patel
Co-investigator: None
Funding Agency: Department of Science and Technology, Govt. of India, under Nanomission program
Funding amount: Rs. 52.65 Lakh
Project Duration: 36 months Started Date 3/9/12
3. **Project Title:** Photoluminescence Studies on Undoped and transition Metal Doped ZnO Nanoparticles

- Principal Investigator:** Teny Theresa John
Co-investigator: None
Funding Agency: Department of Science & Technology, Govt. of India
Funding amount:Rs. 22.34 lakhs
Project Duration: 3 years Started Date 9/8/12
4. **Project Title:** Aspects of some astrophysical systems like supernovae and Neutron stars in the light of new physics
Principle Investigator (PI): Dr. Prasanta Kumar Das
Co-PI: Dr. Tarun Kumar Jha and Dr. Chandradew Sharma
Funding agency: DAE, BRNS, Govt. of India
Project Duration: 3+1(extended) years. Starting date 27th May, 2011 and date of completion is 31st March, 2015.
Grant amount: Rs. 17, 51 lakhs
5. **Project Title:** Probing new physics at high energy colliders
Principle Investigator (PI): Prasanta Kumar Das
Project Duration: 3 years. Starting date: 15th January, 2013
Funding agency: CSIR, Govt. of India
Grant amount: Rs. 13, 50 lakhs
6. **Project Title:** Searching for new physics beyond the standard model
Principle Investigator (PI): Chandradew Sharma
Funding agency: BITS PILANI (Research Initiation Grant)
Grant amount: Rs. 2, 00,000
7. **Project Title:** SEARCHING FOR NEW PHYSICS IN B MESON DECAY
Principle Investigator (PI): Chandradew Sharma
Project Duration:3 years Started Date 30-10-13
Funding agency: BRNS, DAE, Govt.
Grant amount: Rs. 18, 02,500
- (ii) **Projects sanctioned during the year: 02**
1. **Project Title:** Neutron stars as a source of potential continuous gravitational wave emitter
Principal Investigator Co-investigator: T. K. Jha & S. K. Sahay
Funding Agency: BRNS
Funding amount: 17 Lakhs
Project Duration: 3 years
2. **Project Title:** Probing new physics at high energy colliders
Principal Investigator: Prasanta Kumar Das
Co-PI: Nil
Funding Agency: CSIR, Govt. of India
Funding amount: Rs. 13.5 Lakhs
Project Duration: 2013-2016

(iii) Projects completed this year: 01

- Project Title:** Development of low temperature magnetization measurement Set-up

Principal Investigator: Dr. Ram Shanker Patel

Co-investigator: Dr. Teny John, Dr. Halan Prakash

Funding Agency: Council of Scientific and Industrial Research, Govt. of India

Funding amount: Rs. 13.55 Lakh

Project Duration: 2012 – 14 (24 months) Started Date 1-7-2012

B. Publications:**Journals / Publications (National / International)**

- P. Mandrekar and Toby Joseph, when to cut corners and when not to, *Mathematical Intelligencer*, Vol. 36, Issue 3, Page 70 (2014).
- A.Agha, S. Gupta and Toby Joseph, "Particle sliding on a turntable in the presence of friction *American Journal of Physics*" (Accepted for publication, 2014)
- Ravi S Manohar, J Selvaganapathy and Prasanta Kumar Das," Probing space-time noncommutativity in the top Quark Pair Production at e+e- collider", *International Journal of Modern Physics A* 29:1450156, 2014.
- S. Arunkarthick, M. M. Bijeesh, Geetha K. Varier, Meenal Kowshik, and P. Nandakumar*, "Laser Scanning Photothermal Microscopy: Fast Detection and Imaging of Gold Nanoparticles" *J Microsc.* 256 (2014) 111
- S. Arunkarthick, M. M. Bijeesh, Anand Satya Vetcha, Nishith Rastogi, P. Nandakumar and Geetha K. Varier*, "DESIGN AND CONSTRUCTION OF A CONFOCAL LASER SCANNING MICROSCOPE FOR BIOMOLECULAR IMAGING", *Current Science* 2014 (Vol 107, P-1965)
- Andre Dankert, M. Venkata Kamalakar, Abdul Wajid, R. S. Patel, Saroj P. Dash, Tunnel Magnetoresistance with Atomically Thin Two-Dimensional Hexagonal Boron Nitride Barriers, *Nano Research (Springer Publications)* – accepted for publication
- Himanshu Gangal, Gaurav Dar, Mode locking, chaos and bifurcations in Hodgkin-Huxley neuron forced by sinusoidal current, *Chaotic Modeling and Simulation (CMSIM)* (accepted for publication)
- "Massive neutron stars and their implications" T.K. Jha, Keshab C. Panda. Published in *Pramana* 82 (2014) 831-839

C. Conferences attended / papers presented:**Conference (National / International)**

- Structural and optical properties of Ni-doped ZnO nanoparticles, Chithira P R, Teny Theresa John, International Conference on Magnetic Materials and Applications (IC MAGMA-2014), Pondicherry University, Pondicherry
- Studies on Biomolecular Transport through Nuclear Membranes using a Home Built Confocal Laser Scanning Microscope, Arunkarthick S., Bijeesh M. M., Varier G.K., Kowshik M. and P. Nandakumar, 8th International Microscopy Congress (IMC 2014) 7 -12 September 2014. Prague
- Permeability studies on nuclear membranes using confocal laser scanning microscopy, Arunkarthick S., Bijeesh M. M., Varier G.K., Kowshik M. and Nandakumar P., DAE-BRNS National Laser Symposium (NLS-22) Department of Atomic and Molecular Physics MIT, Manipal University, Manipal, Karnataka, INDIA January 8-11, 2014.
- Nonlinear refractive index measurements of BaTiO₃ by the Z - scan technique, Bijeesh M. M., Arunkarthick S., Varier G.K. and Nandakumar P., DAE-BRNS National Laser Symposium (NLS-22) Department of Atomic and Molecular Physics, MIT, Manipal University, Manipal, Karnataka, INDIA January 8-11, 2014.
- Mode locking, Chaos, and Bifurcations in a Sinusoidally Forced Hodgkin-Huxley Neuron, Himanshu Gangal, Gaurav Dar; 7th Chaotic Modeling and Simulation International Conference, Lisbon-Portugal, June 7-10, 2014
- Collider and Astrophysical searches of beyond the Standard Model Physics, J. Selvaganapathy, DAE, BRNS Symposium at IIT Guwahati held during 8th – 12th Dec.2014.

D. Books Published / Edited during the year: NIL**E. Conferences, seminars & workshops conducted**

1. XXIX SERC Main School in THEP 2014-15 (20 Dec 2014 – 8 Jan 2015)
2. "Einstein's Special Theory of Relativity" Workshop was held on 16th & 17th August 2014, In BITS Pilani K.K. Birla Goa Campus. The workshop was organized by Indian Association of Physics Teachers (IAPT), Goa Regional Council. There were 124 participants including teachers from various colleges, Higher Secondary Schools and Engineering Colleges and Students of Colleges, BITS and Goa University.

F. Invited Talks given by BITS faculty:**Papers presented/ Invited Talks in conferences/ Workshop/ School:**

1. Dr. Prasanta Kumar Das visited the Department of Physics, IIT Indore and gave an invited talk over there on 27th October, 2014. Title of his talk: "New Physics searches at Linear Collider"
2. Dr. Tarun Kumar Jha was invited for Workshop on Neutron Stars 'A brainstorming workshop' in NCRA-TIFR, on 20th -21th Nov. 2014. Title of his talk: 'Constraining Equation of state of Neutron Stars at Saturation density'
3. Dr. Tarun Kumar Jha was invited by Regional Science Congress JNV, South Goa, on 15th - 19th Nov. 2014. Title of hisTalk: Compact Stars
4. Winter School on Nuclear Particle & Accelerator Physics BHU, Varanasi. Dr Tarun Kumar Jha has delivered 4 Lectures on Physics & Astrophysics of Compact Stars and Poster Presented on Astrophysics of Neutron Stars

G. Invited talks arranged in the department:

1. Prof. Anand. K. Kulkarni, Emeritus Professor, Michigan Technological University, United States visited the institute on 03rd February 2014. He delivered lectures on Optical Absorption in Nanostructures for Photovoltaic Applications
2. Prof. Sasha Kvinikhidze, [PROFESSOR, Tbilisi State University Georgia] visited the institute on 17th February 2014. He delivered lecture on Continuum Quantum Field Theory
3. Prof. Sitabhra Sinha [Professor, Institute of Mathematical Sciences] visited the institute on 11th April 2014. He delivered lectures on Mind, Memory and Modules, Using nonlinear dynamics and complex networks to understand the brain and conophysics, Towards a physical theory of socio-economic phenomena
4. Prof. Deshdeep Saghdev [Professor-IIT Kanpur] visited the institute on 21th April 2014. He delivered lecture on Popular Introduction to Cosmology and Resolving Atoms in our Backyard
5. Prof. Srinivas Krishna Gopal, [Senior Scientist, BARC Mumbai] visited the institute on 11th October 2014. He delivered lecture on Femtosecond X-rays Lasers – Making Movies with Atmos.
6. Prof. Rajesh Gopakumar [Professor H, HRI] visited the institute on 13th October 2014. He delivered lecture on "String Theory and The Quest for Quantum Spacetime"

Physics Department Seminar Series (Faculties and Students)

Topic : Standard Model and Beyond
 Speaker : Mr. J. Selvaganapathy [Research Scholar BITS-Goa]
 Chairperson : Dr. Prasanta Kumar Das
 Date and Time : 21/01/2014 (Tuesday) at 3 pm

Topic : Liquid Gas Phase Transition in Nuclear Matter
 Speaker : Dr. Tarun Kumar Jha [ASSISTANT PROFESSOR, BITS GOA]
 Chair Person : Dr. Arun.V. Kulkarni
 Date and Time : 28/01/2014 (Tuesday) at 3 pm

Topic : Faraday rotation Theory and Application
 Speaker : Dr. Raghunath Ratabole [ASSISTANT PROFESSOR, BITS GOA]

- Chair Person : Dr. Madhu Kallingalthodi
Date and Time : 11/02/2014 (Tuesday) at 4 pm
- Topic : Proton Spin Crisis
Speaker : Dr. Ravi Manohar, Post-Doctoral Fellow BITS-Pilani, Goa
Chair Person : Dr. Kinjal Banerjee
Date and Time : 25/02/2014 (Tuesday) at 3 pm
- Topic : Interference with correlated photons
Speaker : Dr. P. Nandakumar (Associate Professor, BITS-Pilani, Goa)
Chair Person : Dr. V. Sunil Kumar
Date and Time : 11/03/2014 (Tuesday) at 3 pm
- Topic : Weak Measurement in Quantum Physics
Speaker : Dr. Radhika Vathsan [Assistant Professor, BITS-Goa]
Chairperson : Dr. Raghunath Ratabole
Date and Time : 25/03/2014 (Tuesday) at 3 pm
- Topic : Dilute Magnetic Semiconductors - A Window for Future Spintronics
Speaker : Dr. Teny Theresa John [Assistant Professor, BITS-GOA]
Chairperson : Dr. E. S. Kannan
Date and Time : 13/04/2014 (Tuesday) at 3 pm
- Topic : Oscillations & Bifurcations in a Forced Hodgkin-Huxley Neuron
Speaker : Prof. Gaurav Dar [Associate Professor-BITS-GOA]
Chairperson : Dr. E.S. Kannan
Date and Time : 09/08/2014 (Saturday) at 11.40 pm
- Topic : Ratcheting Towards Newer Technologies
Speaker : Dr. E. S. Kannan [Assistant Professor-BITS-GOA]
Chairperson : Dr. Kinjal Banerjee
Date and Time : 19/08/2014 (Tuesday) at 4 pm
- Topic : Quark Deconfinement in High Mass Neutron Star
Speaker : Dr. Tarun Kumar Jha [Assistant Professor-BITS-GOA]
Chair Person : Dr. Sunil Kumar
Date and Time : 26/08/2014 (Tuesday) at 4 pm
- Topic : Spin Hall Effect
Speaker : Ms. Dhavala Suri [PhD Scholar -BITS-GOA]
Chairperson : Dr. Ram Shankar Patel
Date and Time : 09/09/2014 (Tuesday) at 4 pm
- Topic : Detection of single BaTiO₃ nanoparticles by two photon photothermal microscopy
Speaker : Mr. M. M. Bijeesh [PhD Scholar -BITS-GOA]
Chairperson : Prof. Nandakumar.P
Date and Time : 30/09/2014 (Tuesday) at 4 pm
- Topic : Searching New Physics at high energy colliders
Speaker : Dr. Prasanta Kumar Das [Assistant Professor-BITS-GOA]
Chairperson : Dr. Kinjal Banerjee

Date and Time : 09/10/2014 (Tuesday) at 4 pm

Topic : Harvesting the Heat Produced in Electronic Circuits
 Speaker : Dr. Ram Shankar Patel [Assistant Professor BITS-Goa]
 Chairperson : Dr. Geetha Varrier
 Date and Time : 25/11/2014 (Tuesday) at 4 pm

Topic : Blackprop Tree - A start up Venture
 Speaker : Mr. Sagar Bose [Student, BITS-Goa]
 Chairperson : Dr. E.S. Kannan
 Date and Time : 01/04/2014 (Tuesday) at 3 pm

H. Awards and recognitions won by faculty and students: NIL

I. Faculty Development, International Collaboration & Industry Immersion:None

J. Significant new equipments / experimental facility added during the year:

1. Potentiostat / Galvanostat for multi-junction nanorod synthesis.
2. Low temperature closed cycle cryostat [10K to 300K]
3. Department of Physics procured a 10 inch Optical Telescope and related accessories such as CCD Camera, Photometer Kit and eyepieces in December 2014. The telescope is good enough to observe planets, stars, nebula, meteor showers and galaxies. The motivation is to initiate and set up a small Astronomical Observatory in the campus seeing the interest among a large number of students and faculties. Apart from sky gazing sessions, (which may serve as a part of evaluation components of popular courses such as Introduction to Astronomy & Astrophysics (elective) and Atomic and molecular spectroscopy (CDC)), they can very well be used for interesting astronomical and spectroscopic related projects in the form of Study Oriented Project/ Lab Oriented Project/ Computer Oriented Projects for the students. In addition few dark room practicals using the photometer kits can be designed as well. We also plan to upgrade the telescope in near future to enhance the applicability and go further deep in the sky.

K. Departmental association / club activities:

The Physics Society actively engaged the students of the campus by conducting guest lectures, discussion sessions and demonstrations on various topics by students. The Physics Society also served as a bridge between the students and the faculty members. The students keenly helped out in organizing Prof. Walter Lewin's visit on campus. At the start of the new academic year, a session was held for the incoming batch, to inform them about the activities of the society and also to guide the opportunities that exist in Physics. A departmental get-together was also organized following that. A talk by Dr. Katie Mack on Dark Matter was held over videoconferencing, which delighted many students. Kushagra Nigam from the batch of 2010 ran a series of demonstrations and discussion sessions, throughout the year and also gave a talk on Coordinate Systems and Metrics for the juniors.. "Particle Fever" - a documentary which follows experimental physicists at CERN was screened after Test-1 which was a pleasant respite from a week of writing examinations. Dr. T. K. Jha gave a talk on behalf of Celestia on "100 Billion Tonnes in a Sugar Cube". The Physics Society also maintains an active webpage and has a presence on Facebook to popularize the work done and the courses offered by the department.

B2.11 DIVISION / UNIT/ CENTRE-WISE ACTIVITY**Alumni Affairs Division:****Distinguished Alumnus Award 2014:**

“BITS Pilani Distinguished Alumnus Award” in 2014 to the following alumni:

- Prof. Anil Pahwa, Professor at Kansas State University
- Prof. Gurindar Sohi, Professor at University of Wisconsin-Madison
- Dr. Chandrashekhar, Director, CEERI, Pilani
- Mr. Pradeep Kashyap, Founder and CEO, MART
- Mr. Raju Reddy, Chairman, BITSAA International

This is in recognition of their significant and outstanding contributions to Professional management of businesses , entrepreneurship or academic teaching and/or research.

BITSians Day:

The second edition of 'BITSians Day' was celebrated on 1st of August, 2014.

AMA Session:

Ask Me Anything (AMA) session is meant to primarily better inform students about the various opportunities available with our international body of alumni association i.e. BITSAA International and how to avail these. The session for this year held on 25th September, 2014 and Parth Goel, Campus Relations Goa Coordinator, BITSAA International and a Fourth year undergraduate was the speaker.

Embryo & On-campus Lectures:

Alumni Affairs Division of BITS Pilani K K Birla Goa Campus has organized 15 Embryo & On-campus talks from August – December, 2014. Details are as follows:

S. No	Name of the Alumn(us)i	Topic	Date
1	Mr. Prashant P M Mr. Aakash Goel Mr. Shravan Sukumar Mr. Vishal K R Mr. Mayank Mohta Mr. Saurabh Arora	Alumni Research Talks 3.0	17 th to 19 th January, 2014
2	Ms. Gayle Laakmann Mcdowell	Cracking The Coding Interview	21 st January, 2014
3	Mr. Sarath Babu Elumalai	A Mission With Passion	3 rd February , 2014
4	Pilani : Mr. Martand Aditya & Mr. Rachit Goel Goa: Mr. Dishin Shrimankar, Mr. Kedar Pradhan & Ms. Devanshi Kesaria Hyderabad: Mr. Mohammed F Darvesh & Ms. Amrita Giri	Cat Champs 2.0	12 th February, 2014
5	Mr. Priyans Muraka Mr. Sachin Joglekar Mr. Kratarth Goel	Discover your interests	10 th April, 2014
6	Mr. Karun Philip	How to start a Tech Business?	12 th of April, 2014

S. No	Name of the Alumn(us)i	Topic	Date
7	Mr. Arpit Sharma	How To Get Into A B – School?	19 th August, 2014
8	Mr. Prabhav Joshi & Mr. Deepak Pareek	From Pilani To Mussoorie	25 th August, 2014
9	Ms. Preeti Monga	Failure Is The Only Route To Success	5 th September, 2014
10	Mr. Balasubramanian Muthukumar	Career Prospects For Mechanical Engineering Students	22 nd September, 2014
11	Mr. Ravikanth Konteti	All You Wanted To Know About Investment Banking	26 th September, 2014
12	Ms. Apoorvaa Deshpande & Mr. Adwait Gandhe	BITS2MSPHD: The Application Talk	30th September, 2014
13	Mr. Phanindra Sama	Startup Story Of Redbus & Challenges Of Indian Startups	16 th October, 2014
14	Mr. Vinodh Balasubramaniam & Mr. Vijay Jayaraman	Data Mining And Analytics	16 th October, 2014
15	Mrs. Anupama T V	BITS2IAS: Civil Services As An Alternative Career Option	7 th November, 2014

Alumni Visits:

S. No	Name	Batch	Profession	Purpose of visit	Date of visit
1	Phanindra Sama	EEE (1998)	Co founder, Red bus	EIR	15-10-14
2	B Muthukumar	Mechanical (1989)	Executive Director	Visit to the campus	22-09-14
3	Abhinav Kasliwal	E & I (2006)	Business Analyst	Recruitments	23-08-14
4	Aman Arora	MMS (1986)	Head Sales	Son's admission	01-08-14
5	Sudhir Goel	EEE (1980)	Manager	Son's admission	01-08-14
6	Sudeep Jain	EEE (1986)	IAS	Daughter's admission	30-07-14
7	Abha singh	Physics (1994)	IT manager	Personal	02-06-14
8	Karun Philip	EEE (1983)	Software entrepreneur	Discussions	11-04-14
9	S shivaji	Biology (1971)	Scientist	Visit campus	20-03-14
10	S Lalita	Economics (1974)	House wife	Campus visit	21-03-14
11	Raman Garimella	Mechanical (2006)	Cycling	To meet faculty	14-03-14
12	Pradeep Kashyap	EEE (1964)	CEO, MART	Talk session	18-02-14
13	E Sarathbabu	Chemical (1997)	Food king	Talk session	03-02-14
14	Rohan Sahu	CSE (2005)	Research Assistant	Research	16-01-14
15	Nitesh Kumar Jain	Chemical (2006)	Engineer	Meeting	15-01-14

Website Design and Development Competition:

A Design and Develop competition was organized for our website to revamp the existing website and improve its current functionality. The design sent by a team consisting of Amit Gaiki, Rahul Bhola and Tanmay Deshmukh was selected and the process of implementing the designs for the website is going on.

Prof. Suresh Ramaswamy Memorial Award 2014:

The project idea 'Mudra- A Braille Dicta Teacher' done by the students: Sanskriti Dawle, Aman Karan Srivastava, Shaikh Saif Ali was selected for Prof. Suresh Ramaswamy Memorial Award 2014-15.

Research Scholarship:

One of our alumni Mr. Satish Sankaralingam initiated a research scholarship for BE students and an amount of Rs. 15,000/- was awarded to Gurdeep Singh, Shubham Mishra, Sachin Joglekar and Kartikeya Bharadwaj as recognition to their research work.

Regular Activities:

Other regular activities like bi-annual Director's Tea Party, batch snap sessions, Alumni Affairs Division registrations, souvenir distributions, bringing out the yearbook 'Melange' for out-going students, hosting visiting alumni on campus, etc.

ACADEMICS AND RESOURCE PLANNING

The Academics and Resource Planning (ARP) Division at the BITS Pilani, K K Birla Goa Campus, headed by Prof. Ranjan Dey, Associate Dean-ARP, looks after the introduction of new courses, change and addition to the pool of discipline electives, change in pre requisites, change in the course description, formulation of new minor programs, curriculum redesign and running of edX courses, etc. In the last year since its inception in the campus at the beginning of the year 2014, a number of activities have been carried out. An office for the same has been set up with recruitment of a Non Teaching Staff as an Office Assistant.

The Division has also been involved in the creation of the Departmental Committee on Academics (DCA) and the ccDCA members for the Goa Campus. An edX Workshop was conducted at the Goa Campus on 22nd-23rd July, 2014, convened by the Dean ARP, Prof Shan Balasubramaniam, from Pilani Campus to enlighten the faculty members about edX courses and the mode of delivery and various aspects related to this teaching platform and pedagogy. As an outcome four courses were proposed and one course is going to be delivered partly on the edX platform in the Blended format in the second semester 2014-15. Various actions related to introduction of a number of the courses in the edX platform including MOOCs, curriculum appraisal, new minor programmes etc. are going to be taken up in the present year as part of Departmental activities.

ACADEMIC RESEARCH DIVISION**First Degree Thesis off Campus list first Semester 2013-2014**

S.No	Name of the student	ID No	Place of thesis work
1	Tarun Khanna	2009B2A4573G	University of Stuttgart, Germany
2	Shobhit Sharma	2009B5A7540G	Queen's University, Canada
3	Pradyumn Agarwal	2009B1A4645G	IISc, Bangalore
4	Ratan Parkhe Krishna Kant	2009B5A4396G	IISc, Bangalore
5	Debajyoti Datta	2010C6PS592G	Telecom ParisTech, Paris
6	Siddharth Deshpande	2010A1PS457G	NCL Pune
7	Siddharth Gupta	2009B4A7516G	Northwestern University, USA
8	Nisheeta Desai	2009B5A7401G	TIFR, Mumbai
9	Gauri Mangalgi	2009B5A8557G	Fraunhofer ENAS Germany
10	Pallavi Lengde	2010A3PS168G	GE Energy, HTC, Hyderabad
11	Priyans Murarka	2010A8PS310G	IISc Bangalore
12	Milind Shyani	2009B5A7675G	HRI Allahabad
13	M.Preetam Shivaram	2010A8PS383G	IISc Bangalore

S.No	Name of the student	ID No	Place of thesis work
14	Akshay R K	2010A3PS027G	TU Delft, Netherlands
15	Neil Rajesh Dhruva	2009B3A7248G	ETH, Zurich
16	Anirudh Wodeyar	2010A7PS001G	NIAS, Bangalore
17	K Surya Kiran	2009B5A8412G	IISc Bangalore
18	Anwaya Aras	2010A7PS006G	INRIA Labs, France
19	Divyakumar Badheka	2010A3PS119G	ISRO, Ahmedabad

First Degree Thesis on Campus list first Semester 2013-2014

S.No	Student Name	ID No	Faculty Name	Organization
1	Bhala Nilesh Narendrakumar	2009B5A3534G	Dr.Anita Agarwal	Bits Pilani K.K Birla, Goa campus
2	Deepanshu Mehndiratta	2010A1PS455G	Prof.D.M.Kulkarni	Bits Pilani K.K Birla, Goa campus
3	Udit Dewan	2009B2A4493G	Dr.R.N.Behera	Bits Pilani K.K Birla, Goa campus
4	Dhilbar Roshan	2010A8PS340G	Prof. Mridula Goel	Bits Pilani K.K Birla, Goa campus
5	Kaushal Ajay Sapre	2008B5A1463G	Dr. Toby Joseph	Bits Pilani K.K Birla, Goa campus
6	Saubodh Bhunudas Kolhe	2009B4A8570G	Dr.Reena Cheruvalath	Bits Pilani K.K Birla, Goa campus
7	Bhuvan Mohan singh Rawat	2008A7PS078G	Mr. R P Joshi	Bits Pilani K.K Birla, Goa campus
8	Akhil Singh	2010C6PS311G	Mr. R P Joshi	Bits Pilani K.K Birla, Goa campus
9	Mukesh Kumar	2010A4PS258G	Prof.Mridula Goel	Bits Pilani K.K Birla, Goa campus
10	Shivam	2009C6PS680G	Mr.Sreejith	Bits Pilani K.K Birla, Goa campus
11	Soniya Santosh Mantri	2010A8PS305G	Dr.Sheron Figardo	Bits Pilani K.K Birla, Goa campus
12	Dipti Sengupta	2010C6PS126G	Prof.Neena Goveas	Bits Pilani K.K Birla, Goa campus
13	Shubham	2010A7PS178G	Prof.Mridula Goel	Bits Pilani K.K Birla, Goa campus
14	Sharang Sharma	2009A4PS220G	Ms.Pinky Pawaskar	Bits Pilani K.K Birla, Goa campus
15	Yafis Aijaz Sahaf	2009A4PS354G	Prof.D.M.Kulkarni	Bits Pilani K.K Birla, Goa campus
16	Vishal Ahuja	2009B2A4467G	Dr.Sachin Waigaonkar	Bits Pilani K.K Birla, Goa campus
17	Abhishek Arun	2009B1A1637G	Dr.R.P.Pradhan	Bits Pilani K.K Birla, Goa campus
18	Aditya Asati	2009B5A4462G	Prof.D.M.Kulkarni	Bits Pilani K.K Birla, Goa campus
19	Tejendra Singh	2009B4A4674G	Prof.D.M.Kulkarni	Bits Pilani K.K Birla, Goa campus
20	Himanshu Gangal	2009B4A8597G	Prof.Gaurav Dar	Bits Pilani K.K Birla, Goa campus
21	Utkarsh Choudhary	2009B5A1447G	Dr.Tarun Kumar Jha	Bits Pilani K.K Birla, Goa campus
22	Isha Garg	2010B3A8473G	Mr.Swagat K Mishra	Bits Pilani K.K Birla, Goa campus
23	Rohit Sant	2010A3PS002G	Mr. Sarang Dhongdi	Bits Pilani K.K Birla, Goa campus
24	Vemaure Lakshami Narasimahavihari	2009B4A8464G	Dr. Reena Cheruwala	Bits Pilani K.K Birla, Goa campus
25	Adarsh N. B	2008B1A8673G	Dr. Nitin Sharma	Bits Pilani K.K Birla, Goa campus
26	Pritam Kumar Singh	2008B2A1050G	Dr.Sukanta Mondal	Bits Pilani K.K Birla, Goa campus
27	Amanadu Shivakrishna	2008B4A3468G	Dr. Veeniti Kr Singh	Bits Pilani K.K Birla, Goa campus
28	Abdul Mubeen	2008B4A3230G	Dr. Debasis patnaik	Bits Pilani K.K Birla, Goa campus
29	Narasimhan	2010A4TS151G	Dr. Shibu clement	Bits Pilani K.K Birla, Goa campus
30	Kurcheti Neha Kiran	2009B1A3662G	Prof. Dibakar	Bits Pilani K.K Birla, Goa campus

S.No	Student Name	ID No	Faculty Name	Organization
			Chakraborty	
31	Saurabh Khare	2008B4A7597G	Dr. S. K. Sahay	Bits Pilani K.K Birla, Goa campus
32	Akshay Satish Kulkarni	2009B5A3480G	Dr. E. S. Kanan	Sungkyunkwan University, South Korea
33	Thomas Abu C	2009B4A8673G	Dr. Prasanna Kumar	IMSC, Chennai
34	Souvik Dutta	2009B5A3419G	Dr. Tobey Joseph	IMSC, Chennai

First Degree Thesis on Campus list Second Semester 2013-2014

S.No	Student Name	ID No	Faculty Name
1	Prakhar Kumar Verma	2010A8PS551G	Dr. A. Amalin Prince
2	Atul Agarwal	2010A4PS024G	Prof. Neena Goveas
3	Ishaan Bansal	2010A3PS239G	Mr.R.K.Roul
4	Kousik Papakollu	2010A4PS173G	Dr.Pravin M Singru
5	M Nikhil Khicha	2010A4PS182G	Dr.Rajaram Lakkaraju
6	Dishin Shrimankar	2010A4PS201G	Dr.R.P.Pradhan
7	Ashish Nanda	2010A7PS175G	Dr.Bharat Deshpande
8	Sameer Shaikh	2010A3PS230G	Dr.Pushkar
9	Souvik Dutta	2009B5A3419G	Mr.Sarang C.Dhongdi
10	Pradhan Kedar Nobinkumar	2010A4PS036G	Dr.Ch.V.V.S.N.V Prasad
11	Ajinkya Shirsh Kulkarni	2009B5A8513G	Prof.Arun V.Kulkarni
12	K Nishanth Paul	2010A4PS039G	Dr. Shibu Clement
13	Singareddy Soma Sekhara Reddy	2008B1A1449G	Dr. Sampatrao Dagu Manjare
14	Pratyush Singh	2010A8PS294G	Dr. Basavadatta Mitra
15	C.K Vijay Kiran	2009B1A8636G	Dr. R.P. Pradhan
16	Neha Yegnamurthy	2009B4A8504G	Dr.Reena Cherwalath
17	Kaushal Ajay Sapre	2008B5A1463G	Dr.K.A Geetha
18	Suresh Malateesh Kashikar	2009B1A8155G	Dr. Debasis Patnaik
19	Sribhashyam Saisriram	2009B2A4605G	Prof. Mridula Goel
20	Jyothsna K Unnikrishnan	2009B5A4522G	Dr.Vikas V Chaudhari
21	Bonagiri Sriman	2009B1A8319G	Dr.Reena Cherwalath
22	Kuchalakanthi Sharath Chandra	2009B4A4515G	Dr.D.M.Kulkarni
23	Saransh Sinha	2010C6PS645G	Dr. Neena Goveas
24	Rishabh Saxena	2010C6PS422G	Dr. Neena Goveas
25	Habbu Shreyas Gururaj	2009B2A4305G	Dr.P.M.Singru
26	Shruti Garg	2009B1A3666G	Prof. Mridula Goel
27	Akshay Verenkar	2009B5A8465G	Dr.T.K.Jha
28	Saurabh Suman	2009B3A3558G	Dr. Debashish Patnaik
29	Nilabh Sinha	2009B1A8669G	Dr. Amitendu Bhattacharya
30	Dasika Gayathry	2009B1A8639G	Dr. Veeky Baths
31	Srikanth Bezawada	2010C6PS451G	Dr. Bharat Deshpande
32	Nachiket Kataria	2009B3A8563G	Prof. Mridula Goel
33	Kurcheti Neha Kiran	2009B1A3662G	Dr. Reena Cherwalath
34	Apoorv Bhardwat	2009B5A1471G	Dr. Madhvi Gupta
35	V.Haripriya	2009B1A4665G	Dr. Rayson .K.Alex
36	Gouni Pruthvi	2009B2A1565G	Dr. K P Jayadevan

S.No	Student Name	ID No	Faculty Name
37	Ankit Jain	2009B1A1270G	Dr.N N Ghosh
38	Sidharth Mehta	2009B3A8483G	Dr .R P Pradhan
39	Vemuri Lakshmi Narmsimha Vihari	2009B4A8464G	Dr. Prasanna Kumar
40	Deepak Raj M	2009B5A1406G	Prof. Mridula Goel
41	Rachit Kulshreshtha	2009B5A8543G	Prof. T K Jha
42	Shashwat Kumar	2010A7PS040G	Dr. Neena Goveas
43	P Santosh Kumar	2010A4PS313G	Dr. Thrushar Gohil
44	Devendra Didwaniya	2009B4A8596G	Dr. SK Shah
45	Swapnil Saurav	2009B1A3629G	Dr. Debasis Patnaik
46	Sagar Bose	2010A7PS116G	Dr. Shibu Clement
47	Rohan Verma	2010A7PS061G	Dr. Shibu Clement
48	Pritam Kumar Singh	2008B2A1050G	Mrs. Shubhangi K. Gawali
49	Sankalp Kulshrestha	2009B3A7449G	Dr. Neena Goveas
50	Ronak Gupta	2010A4PS186G	Dr. Rajaram Lakkaraju
51	Himanshu Gangal	2009B4A8597G	Prof. Gourav Das
52	Pawar Aishwarya Rativ	2010A4PS282G	Prof. N.R.Balakrishnan
53	Ankita De	2010A7PS112G	Bharat Deshpande
54	Thomas Abu C	2009B4A8673G	Dr. Prasanna Kumar
55	Bapat Shounak Vinayak	2010A4PS472G	Dr. Shibu Clement
56	Deepak Rishi	2010A8PS103G	Dr. Amalin Prince
57	Chintan Zalani	2009B1A8664G	Prof . Mridula Goel
58	Abhijeet Mehrotra	2009B3A7448G	Mr.TSRK Prasad
59	Kolhe Subodh Bhanudar	2009B4A8570G	Prof. Mridula Goel
60	Akshay Satish Kulkarni	2009B5A3480G	Dr.E.S.Kannan
61	Sheweta Khanduja	2010A7PS076G	Dr. Bharat M Deshpande
62	Francis James	2010A4PS277G	Dr. Ranjit S Patil
63	Sushant Kumar	2010A4PS320G	Dr.Shibu Clement

First Degree Thesis Off Campus list Second Semester 2013-2014

S.No	Name of the student	ID No	Place of thesis work
1	Harshavardhan Pandit	2010A3PS003G	ETH, Zurich
2	Radhika Gaonkar	2010A7PS193G	TU Darmstadt, Germany
3	Chintak Sheth	2010A3PS078G	IISC Bangalore
4	Arnav Goel	2010A3PS077G	IISC Bangalore
5	Sourav Banerjee	2009B2A4564G	Jadavpur University
6	Jay Rambhia	2010A4PS059G	Tesseract HQ,USA
7	Shiva Chandra	2010A8PS293G	Ministry Of Finance,India
8	Neil Rajesh Dhruva	2009B3A7248G	DIPF Institute ,Frankfurt,Germany
9	Pradyumn Agarwal	2009B1A4645G	IISC Bangalore
10	Akshay Agarwal	2010A4PS286G	ALTER Trading Corporation,USA
11	Malavika G	2010A1PS433G	ATREE ,India
12	Shyani Milind Arjanbhai	2009B5A7675G	Harish Chandra Research Institute Allahabad, India
13	Sahil Kashyap	2010C6PS564G	Lamons, Houston, Texas, USA
14	Phanindra Rao	2010A4PS050G	IIT Bombay
15	Tarun Khanna	2009B2A4573G	Stuttgart University,Germany

S.No	Name of the student	ID No	Place of thesis work
16	Vibhor Atreya	2009B1A4628G	IISc Bangalore
17	Siddharth Agarwal	2010A7PS042G	LV Prasad Eye Institute, Hyderabad
18	Ratan Parkhe Krishna Kant	2009B5A4396G	IISc Bangalore
19	Gauri Mangalgi	2009B5A8557G	Fraunhoferenas, Germany
20	K Surya Kiran	2009B5A8412G	IISc Bangalore
21	Rohit Shankar	2010A1PS628G	NCL, Pune
22	Nisheeta Desai	2009B5A7401G	TIFR, Mumbai

First Degree Thesis On Campus list First Semester Semester 2014-2015

S.No	Name of the student	ID No	Place of thesis work
1.	D Venkata Abhishek	2011APS076G	Bits Pilani K.K Birla Campus
2.	Sudhanshu Maheshwari	2010B3A3579G	Bits Pilani K.K Birla Campus
3.	Kushagra Nigam	2010A3B5174G	Bits Pilani K.K Birla Campus
4.	Siddhant Malik	2011C6PS657G	Bits Pilani K.K Birla Campus
5.	Merchant Neil Rajiv	2010B4A8581G	Bits Pilani K.K Birla Campus
6.	Suprabhat Bhagarathula	2011A1PS446G	Bits Pilani K.K Birla Campus
7.	Nishant Mal	2011A7PS081G	Bits Pilani K.K Birla Campus
8.	Abhishek Prabhakar	2011A1PS470G	Bits Pilani K.K Birla Campus
9.	Shreyash Sill	2011A3PS164G	Bits Pilani K.K Birla Campus
10.	Shidhore Tanmay Chandrashekar	2010B5A4520G	Bits Pilani K.K Birla Campus
11.	Krunal Patel	2010A7B4177G	Bits Pilani K.K Birla Campus
12.	Karri Srinivasa Zenith	2011A1PS390G	Bits Pilani K.K Birla Campus
13.	Laksh Jiva Bhatia	2011A3PS239G	Bits Pilani K.K Birla Campus
14.	Mauank Joneja	2011A3PS185G	Bits Pilani K.K Birla Campus
15.	Sumit Sheoran	2011C6PS644G	Bits Pilani K.K Birla Campus
16.	Divya Yadav	2011A8PS207G	Bits Pilani K.K Birla Campus
17.	K. Suneel	2011C6PS648G	Bits Pilani K.K Birla Campus
18.	Ankur Dubey	2011A3PS025G	Bits Pilani K.K Birla Campus
19.	Aditya Nalluri	2011C6PS627G	Bits Pilani K.K Birla Campus
20.	G.Ravi Teja	2011A1PS449G	Bits Pilani K.K Birla Campus
21.	Athma M Ram	2010B4A7360G	Bits Pilani K.K Birla Campus
22.	Sushobhan Parida	2011A4PS116G	Bits Pilani K.K Birla Campus
23.	Siddharth Menaria	2011A8PS336G	Bits Pilani K.K Birla Campus
24.	Ayush Agarwal	2011A1PS473G	Bits Pilani K.K Birla Campus
25.	Sukhdeep Singh	2011A3PS171G	Bits Pilani K.K Birla Campus
26.	Raghav Parwal	2011A8PS331G	Bits Pilani K.K Birla Campus
27.	Chinranjeev Singh Rao	2011A8PS358G	Bits Pilani K.K Birla Campus
28.	Phalgun Soni	2011A8TS318G	Bits Pilani K.K Birla Campus
29.	Siddharth Ranjan Khare	2011B1A4491G	Bits Pilani K.K Birla Campus
30.	Amol Agarwal	2011A7PS109G	Bits Pilani K.K Birla Campus
31.	Kaley Nisheal	2009B2TS571G	Bits Pilani K.K Birla Campus
32.	Nishant Varma	2010B5A8492G	Bits Pilani K.K Birla Campus
33.	Ishaan Hari Markale	2010B4A4509G	Bits Pilani K.K Birla Campus
34.	Sagar Bose	2010A7TS116G	Bits Pilani K.K Birla Campus
35.	Aneesh Nambiar	2010B4A8354G	Bits Pilani K.K Birla Campus

S.No	Name of the student	ID No	Place of thesis work
36.	Pradyumna	2011A7PS039G	Bits Pilani K.K Birla Campus

First Degree Thesis Off Campus list First Semester Semester 2014-2015

S.No	Name of the student	ID No	Place of thesis work
1.	Shashank Gugnani	2011A7PS082G	University of Westminster, England
2.	Sachin Joglekar	2011A7PS072G	National University of Singapore, Singapore
3.	Shah Shail Parag	2011A7PS077G	Indian Institute of Science, Bangalore
4.	Aditi Dudija	2010B4A7506G	LIAFA University of Paris
5.	Vinit Gela	2011A7PS016G	IIT Hyderabad
6.	Akshay Surendra	2010B5A3331G	Center For Wildlife Studies, India
7.	Raj N. Patel	2010B5A4540G	Tata Institute of Fundamental Research Mumbai
8.	Manoj Kumar S	2011A4PS083G	Telecom Paristech TSI department, France
9.	Shreyas gadgin matha	2010B3A8283G	Abdul Latif Jameel Poverty Action Lab, Cambridge
10.	Anant kamath	2011A3PS044G	NUS ,Singapore
11.	Shiraz hasan	2011A8PS265G	BIT, Mesra
12.	Soni pratik pramod	2010B4A7324G	NUS, Singapore
13.	Tomy cherian	2010B2A4563G	Aalto University, Finland
14.	Abhiroop sarkar	2010B4A8630G	Capillary Technologies India Pvt Ltd, Bangalore
15.	M.s. manojit	2010B1A4622G	University of California, Davis USA
16.	Anand krishnan p.	2010B4A7392G	IIT Bombay
17.	Gurdeep singh	2010B1A3672G	Vrije Universiteit Brussels(vub), Belgium
18.	Harman singh	2011A7PS108G	IISc, Bangalore
19.	Nikita bhargava	2011A7PS022G	National University of Singapore, Singapore
20.	Ravi garg	2010B1A7664G	Microsoft Research Lab, India
21.	Sheena	2011C6PS631G	TU Darmstadt, Germany
22.	Utsav gudhaka	2011A8PS306G	NTU, Singapore
23.	Arun joseph	2011A3PS018G	Amaterasu, Hyderabad
24.	Vibhav joshi	2010B1A3665G	Amaterasu, Hyderabad
25.	Raghu nayyar	2010B1A4658G	IIT Bombay
26.	Karthik menon	2011A4PS198G	TIFR, Hyderabad
27.	Aditya cherukumudi	2011A4PS177G	IHPC, Singapore
28.	Kaustubh dhole	2010B1A3202G	TIFR, Mumbai
29.	Ayush bharti	2011A3PS141G	IIT Bombay
30.	Kaustub	2011A1PS435G	IIT Kanpur
31.	Saurabh Sharma	2011A4PS148G	IIT Kanpur
32.	Ninad kanetkar	2011A1TS394G	NCL, Pune
33.	Siddharth Kotwal	2010B2A8610G	BOSCH, Germany
34.	Sumedh kaulgud	2011A3PS124G	Amaterasu, Hyderabad
35.	Belsare sayali milind	2011A1PS447G	Vanderbilt University, USA
36.	Kushal khandelwal	2010B2A8631G	University of Heidelberg, Germany
37.	Vaibhav bajaj	2010B2A4566G	NPL, New Delhi
38.	Vishal pathak	2010A3B5098G	HRI, Allahabad
39.	Thejas. H. C.	2010B5A4651G	TIFR, Hyderabad
40.	Sunny guha	2010B5A8191G	HRI, Allahabad
41.	Ankit vikrant	2010B5A7548G	TIFR, Bangalore
42.	Gauri bhagwantrao jagtap	2010B5A3518G	TIFR, Mumbai

S.No	Name of the student	ID No	Place of thesis work
43.	Dheeraj narsimha	2011A8PS314G	TIFR, Mumbai
44.	Ankit mittal	2011A8PS345G	HBE Group, Delhi
45.	Raunak Dharani	2011A8PS367G	Nanyang Technological University, Singapore
46.	Gaurav temani	2011A1PS391G	Georgia Institute Of Technology, USA
47.	Vaibhav kathuria	2010B1A4297G	Ankur Scientific Energy Technologies Pvt. Ltd, India
48.	Srihari menon	2011A4TS209G	Vikram Sarabhai Space Center, Thiruvananthapuram, Kerala
49.	Shiv rajora	2011A8TS303G	TIFR, Pune
50.	Vikram pradhan	2010B1A4620G	IIT, Bombay

Second Semester 2013-2014 M.E. (BITS G629T) "DESSERTATION

S.No.	ID No.	Name of student	Topic	Supervisor	Place
1.	2012H129009G	Garima Singh	Biogas purification by Mircoalgae	Dr. M. Srikanth	Bits Pilani K.K Birla campus
2.	2012H129011G	Snehal Nirgude	Effect of qnanacrine on human breast and lung cancer	Dr. A. Sarkar	Bits Pilani K.K Birla campus
3.	2012H129001G	Ramesh Bishnoi	Comparative analysis of promoters of ϕ 11	Dr. Malabika Biswas	Bits Pilani K.K Birla campus
4.	2012H129010G	Shreya S Katiyar	screening for lalophilic enzymes in bacteria	Dr. Judith Braganca	R&D centre of INTAS Pharmaceuticals Ltd, ahmedabad
5.	2012H129007G	Malvika Sudhakar	Structural and physiochemical chararterization of p62 from moringa oleifera	Dr. Sumit Biswas	Bits Pilani K.K Birla campus
6.	2012H101016G	Sampada Bokade	Develoment of metallic nanostructure using maskles photolithography	Dr. Jegatha Natha Nambi Krishnan	Bits Pilani K.K Birla campus
7.	2012H101020G	A. Durgadevi	CFD Modelling of Non Newtonian Flow in a viscometer	Dr. Raghavendra Gupta	Bits Pilani K.K Birla campus
8.	2012H101014G	B. Siva Narayan	CFD Modelling of flow in Bubble column	Dr. Raghavendra Gupta	Bits Pilani K.K Birla campus
9.	2012H101022G	Vishal Valse	Studies on chitin and chitosan separation from crustasian wastes	Dr. K. N. Poonnani	Bits Pilani K.K Birla campus
10.	2012H101017G	Pranav Prakash Kulkarni	Theoretical and experimental studies in viscosity and surface tension	Dr. K. N. Poonnani	Bits Pilani K.K Birla campus
11.	2012H101021G	Shashank Wankhade	Development of Anticorrsoasive films and its testing	Dr. Sutapa Roy Ramanan	Bits Pilani K.K Birla campus
12.	2012H101019G	Mayank Gautam	Magnetic hydroxyapatite nanoparticle for Bio-medical application	Dr. Sutapa Roy Ramanan	Bits Pilani K.K Birla campus
13.	2012H101013G	Vijaya Devgonde Patil	Experimental studies on Carbon dioxide absorption in ammonia and water	Dr. Srinivas K . Swamy	Bits Pilani K.K Birla campus
14.	2012H101023G	Pragya Singh	Experimental studies on	Dr. Srinivas K .	Bits Pilani K.K

S.No.	ID No.	Name of student	Topic	Supervisor	Place
			nanofiltration with organic solvent	Swamy	Birla campus
15.	2012H101018G	D. Satish Kumar	Development of Metallic nano structures using electroless plating for sensor application	Dr. Jegatha Natha Nambi Krishnan	Bits Pilani K.K Birla campus
16.	2012H112055G	Desai Mayeink Kamleshbhai	Search Engine Optimization	R. K. Roul	Bits Pilani K.K Birla campus
17.	2012H112060G	Rohit Devanand Omanwar	User Profiling	Prof. Bharat Deshpande	Bits Pilani K.K Birla campus
18.	2012H112054G	Agrawal Shweta	Design of energy efficient scheduling algorithm for multicore real time system	Dr. Biju Raveendran	Bits Pilani K.K Birla campus
19.	2012H140039G	Divya Vipin	Design of energy efficient cache architecture for multcore embedded systems	Dr. K. R. Biju	Bits Pilani K.K Birla campus
20.	2012H140037G	Trusit Sandipbhai Shah	Implementation of LOSN for CBM of pipelines	Dr. K. R. Anupama	Bits Pilani K.K Birla campus
21.	2012H123048G	Ramesh Raghu	Memristor based logic design	Mr. Pravin Mane	Bits Pilani K.K Birla campus
22.	2012H141030G	Bharath . K. Bhat	Experiment studies on advanced tribometer for artificial hip implant material	Dr. A. C. Kulkarni	Bits Pilani K.K Birla campus
23.	2012H141028G	Yogesh S. Danekar	CFD modelling of heat exchanger fouling	Mr. Dillip Kumar Mohanty	Bits Pilani K.K Birla campus
24.	2012H141033G	Sawantmorye Khemraj Suryakant	Investigation of cohesive parameters for mild sheet to stimulate fracture process zone:Experimental and finite element approach	Prof. D. M. Kulkarni	Bits Pilani K.K Birla campus
25.	2012H141029G	Shinde Vikram Nivrutti	Strategic product design using DFX principles	Dr. R. G. Mote	Bits Pilani K.K Birla campus
26.	2012H141024G	Vishnu G. U	Characterization of crack growth behaviour using cohesive zone elements	Mr. Vikas Chaudhari	Bits Pilani K.K Birla campus
27.	2012H141031G	Yogesh A. Joshi	Effect of Thickness on fracture toughness in plane stress & plane strain zone	Prof. D. M. Kulkarni	Bits Pilani K.K Birla campus
28.	2012H101015G	P. Hanumaanth Reddy	Study of kinetics for the Digestion tanks in Alumina Refining by dissolution of Bauxite in NaOH	Dr. K. N. Ponnani	Aditya Birla Science and Technology Centre, Mumbai
29.	2012H129012G	Pabla Iraz	Molecular basis of debiquitinating enzymes function and their association with neurodegeneration	Dr. Judith Braganca	Regional Centre for Biotechnology, Gurgaon
30.	2012H141032G	Shashank Alias	Design and development of 3-Cylinder crankshaft for automobile application	Prof. D. M. Kulkarni	Varroc Engineering, Aurangabad
31.	2012H129003G	Krittika Nandy	Identify the role of replication protiens in mitosis of proliferating	Dr. Arnab Banerji	NII, New Delhi

S.No.	ID No.	Name of student	Topic	Supervisor	Place
			Hela Cells		
32.	2012H129006G	Shikha Aggarwal	Identification and characterization of genes conferring oxidative stress tolerance to E. coli from various metagenomic libraries	Dr. Malabika Biswas	IGIB, New-Delhi
33.	2012H123042G	Abhijit Pradip	Linear Accelerator Design for Medical Electronics	Mr. Gavax Joshi	IIT BOMBAY

CATEGORY-WISE DISTRIBUTION OF Ph.D. STUDENTS ON ROLLS DURING THE YEAR 2014

S.No.	CATEGORY	NO. OF STUDENTS ON ROLL	
		II Sem 2013-2014	I Sem 2014-15
1.	Staff	30	32
2.	Staff (Pre-Ph.D course work)	01	01
3.	Research Fellow Students	98	107
	GRAND TOTAL	129	140

STATISTICS OF Ph.D. QUALIFYING EXAMINATION

Statistical information for Ph.D. Programme

Sem	Permitted to appear in Qual. Exam	Appeared	Passed	Failed	Did not Appear & Dropped
II Sem 2013-14	10	10	8	02	---
I Sem 2014-15	25	25	25	0	-----
Total	35	35	33	02	-----

Analysis of Candidates permitted to appear in Ph.D qualifying examination

(i) BITS faculty (Total) = 01	(ii) Full time and Part time students = 34
Discipline wise Break-up.	Discipline wise Break-up.
C S & IS 00	Biology 01
Electrical/Electronics 01	Physics 05
Hum & Mgmt. 00	Chemistry 08
Chemical 00	CS & IS 02
	Mechanical 03
	EEE & IE 06
	Mathematics 02
	Chemical 02
	Econ & Mgmt 02
	HSS 03

COMMUNITY WELFARE

Faculty in charge: Dr Radhika Vathsan, Department of Physics.

The CWU facilitated the following activities during the calendar year 2014.

As always, the Medical Centre has been providing OPD services as well as 24 x 7 emergency medical services to all the campus residents. A 24x7 ambulance service has been started this year. An in-house pharmacy is available at the medical centre and a lab collection point to provide diagnostic facilities has been functional with a tie-up with a local diagnostic laboratory, Ranbaxy and Thyrocare. The Medical Centre has state-of-the-art equipment such as Dental Chair, Digital X-ray machines, Tread mill (TMT), ECG machine, Lung function test, X-ray, Multiparameter monitors, Defibrillator, Syringe pumps.etc

A Cashless Medical Reimbursement Scheme has been operational to provide easily accessible medical care to the residents of the campus. The Scheme can be accessed through a health card, which can also be used to receive treatment for various medical and surgical ailments from the Specialists from Goa. Following are the specialties available for routine and on call basis for out-patient care – Gen. Medicine / Gen Surgery / Orthopaedics / Dermatology.

Periodic testing of water is carried out for all the water coolers installed in food outlets, hostels and administrative buildings to ensure that they are maintaining good hygienic standards. Water testing from a few crucial points for the campus supply is also being implemented.

The Child Care Centre on campus is operating as a playschool for infant children in the morning and a Day Care in the afternoon for providing invaluable support and care to the children of BITS faculty and staff. The center is provided with all necessary facilities (toys, activities, educational material, infrastructure etc.). Drawing, dance, karate, music and mental arithmetic classes by professionals are being conducted for the children of campus residents.

The Student Activity Center has a designated as Music/Yoga/prayer hall that is being well utilized by the whole campus community for various activities such as yoga and meditation, chanting of Vishnu Sahasranama, Sunderkand Path, Conducting of Holy Mass and choir practice. Classes for Hindustani music, Carnatic music, Western classical music, Veena, Harmonium and Violin, as well as Bharatanatyam, are also being conducted, both for the students as well as other campus residents.

The SAC also houses musical instruments including violins, sitars, tanpuras, veenas, tablas, harmoniums, electronic tanpura and tabla, and keyboards. Many books on music are kept there for reference of the students, taken on lien from the Central Library. The unit also facilitated procurement of new instruments and repair of old ones for the students' Music Club

National and religious festivals like Republic day, Independence day, Lohri, Basant Panchami (which is also BITS Pilani Founder's Day), Holi, Ram Navami, Janmashtami, Ganesh Chaturthi, Onam, Durga Pooja, and Deepavali were celebrated with active participation of all the campus residents and students. During these festivals cultural performances of campus children and students were organized. As part of the Golden Jubilee Celebrations of BITS Pilani, the Goa campus observed Founder's day on 4th February 2014 with a concert by Oscar nominated Carnatic singer Bombay Jayashri Ramnath, organized by Srutilaya, the Indian Classical Music and Dance Society of the campus.

Quark 2014, the Annual International Technical and Innovation festival, was held from 7th to 9th of February, 2014. It was inaugurated by BITS Alumnus and Sahitya Academy winning author, Mr. Vikram Sampath. Lectures were presented by Mr. Angad Daryani, the 15 year old child prodigy, and the youngest researcher at MIT media labs, Mr. Vishal Gondal, the Indian king of games who is popular for his company Indiagames and Mr. Jun Fujiwara, inventor of Sound Bottle and winner of the Mitsubishi Chemical Junior Designer Award.

Waves 2014, the annual students' intercollege cultural festival was celebrated from 31 October to 2 November 2014. The Chief Guest was Mr. K.R. Srinivasa, Chief Editor of the Times of India, and the Guests of Honor, the founders of Art Escape. The event saw performances by the dance, mime and kala studetns clubs. Performances by invited artistes Andrea Pixie, a fire artist, DJ Candice Redding, DJ Dharak as well as big events by the legendary Shankar Mahadevan, Junkyard Groove and Baiju Dharmajan's Syndicate and Coke Studio completed the cultural mileiu. College students participated in many competitions including rock music, solo and group singing, dance, fashion, street plays the Waves Debate, silent drama, acoustic music, quiz, art marathon, filmmaking and Mr and Ms. Waves.

The year also saw campus cleanup initiatives under the Swachh Bharat Abhiyaan. Dustbins were put up at additional spots all round the campus. A move to segregate and recycle garbage was also initiated.

Student volunteers under the banner of Abhigyaan organized a "Joy of Giving" week and a collection drive for donating used clothes and other articles to orphanages and old age homes.

The Campus Women's Network (CWN) was active for the year, organizing monthly get-togethers where pressing issues were discussed. Workshops in physiotherapy and other relevant areas were also held.

ENTREPRENEURIAL LEADERSHIP- CEL

Aspire, Create, transform: ACT a start up based conference concept was launched with the first edition on April 19, 2014. Speakers at the event included Teach for India founder Shaheen Mistri, Hackerearth founder Sachin Gupta, Kunal Shah of Freecharge.in, Thiel fellow and Oravel founder Ritesh Agarwal, etc.

Supporting the spirit of entrepreneurship, the CEL at BITS, Pilani K K Birla Goa Campus organised 'Coalescence' an Entrepreneurship Summit on August 29-30, 2014. The summit focussed on challenges faced by entrepreneurs in the start up journey. Speakers included Sarathbabu of Foodking, Dr. Pawan Agrawal, from Mumbai Dabbawalas, Sanjay Nath of Blume Ventures, etc.

Inspire, Ideate, innovate was the theme of the event which included a one day conference, the second edition of ACT 2.0, a Business Plan competition, Novatia. Workshops were organized on Idea to execution and The Art of Pitching. They were respectively conducted by GITIC, a Goa incubator and a leading accelerator from Delhi : TLABS.

The organizers were successful in bringing together over 100 students from other institutions who are excited by the growing start up culture in India. Venture capitalists, investors and incubators were invited to interact with the students and also select promising ideas for funding and mentoring. SeedFund, Villgro, Tlabs, CIBA, GITIC were some of the funds/incubators that were actively supporting the summit.

INTERNATIONAL PROGRAMMES AND COLLABORATION DIVISION

To initiate and to strengthen collaborations between National University of Singapore and our Institute, few travel grants (only to and fro airfare charges) were made available by the International programmes and Collaboration division. Three students who secured additional funding from NUS for their subsistence were provided with these travel grants. The names of the students are Mr. Gaurav Temani (2011A1PS391), Soni Pratik Pramod (2010B4A7324) and Nikita Bhagava (2011A7PS022G) who had gone for two months research internship at NUS.

PRACTICE SCHOOL:

During SEM II, 2013-14 and SEM I, 2014-15 633 first degree students and 24 higher degree students went for PS-II from Goa campus. The faculty members who were involved as PSII Instructor for stations in Goa were Dr. Anita B Agarwal and Dr. Saroj S. Baral.

During summer term 2014, total of 563 students went to 134 PS-1 stations from the Goa campus. A total number of 19 faculty members & 8 students' co-instructor accompanied the students for PS-1. Total no. of stations opened by Goa campus students are 39.

PS 1-2014 Faculty Members

SR.NO	PSRN	FACULTY NAME
1	58	Narendra Nath Ghosh
2	73	P.N.Deepak
3	81	Raghavendra G. S.
4	107	A. Amalin Prince
5	114	Sanjay Kumar Sahay
6	121	P. Danumjaya
7	211	P. Bhavana
8	229	Chhayadevi M. Bhamare
9	323	Rajendra Kumar Roul
10	337	K. Chandram
11	373	Bijil Prakash
12	410	Tarun Kumar Jha
13	420	K. A. Geetha
14	471	Mayank Goel
15	485	Swagat Kishore Mishra
16	502	Ethirajulu Senthamaria Kannan
17	511	Alpesh M Dhorajia
18	528	Prabal Paul
19	558	Swarup Kumar Majee

PS-1-2014 Student Co-Instructors

Sr. No	ID	NAME
1	2011B5A7289G	Anshu Aviral
2	2011A8PS342G	Samyak Parakh
3	2011B5A3359G	Akanksha Patnaik

Sr. No	ID	NAME
4	2013H141028G	M.Pram Kumar
5	2013H140055G	Sameer Garg
6	2011A1PS470G	Abhishek Prabhakar
7	2011B2A8600G	K.Rama Karthik
8	2011B2A1562G	Bhakta V Pande

PUBLICATIONS DIVISION:

The Publications Division published the BITScan Semester Newsletter Issue 7 and 8 and the Convocation Proceedings 2014 in this year. The division also regularly sent Press Releases to National and local media after every Campus event. The website Banner News and Latest News was also updated regularly with current events. Various student achievements, campus events and significant research projects were published in local and National media.

PUBLIC RELATIONS:

Public Relations office coordinated following events :

S.No.	Topic	Date	Requested by
1	Tedx 2014	19th Jan 2014	Director's Office
2	Tinai Ecofilm Festival -2014	28th Jan - 04th Feb 2014	Prof. Meenakshi Raman
3	BITS Golden Jubilee Celebration	4th -Feb-14	Prof. Meenakshi Raman
4	Annual Technical Festival Quark 2014	07-09 Feb 2014	Director's Office
5	ABG Awards Function-2014	24-26 Feb 2014	Director's Office
6	Annual Sport Festival Spree 2014	7-9 March 2014	Director's Office
7	Visiting Advisory Committee follow-up Meeting	19th -22nd March 2014	Dr. Rakesh G Mote
8	National Conference on Entrepreneurship	18th to 20th April 2014	Dr. Mridula Goel
9	AMAN-2014	16-19 May 2014	Dr. NN Ghosh
10	Shiv Yog Shivir 2014	22 May-06June 2014	Director's Office
11	Convocation 2014	3rd August 2014	Director's Office
12	Coalescence Conference	30th August -1st Sept 2014	Dr. Mridula Goel
13	Mission 2015 Industry Engagement Imperative Activity, Workshop for HOD's	23rd - 15th Sept	Prof. Srinivas K.
14	Eco Ethics Conference	09th -12th Oct, 2014	Dr. Gyan Prakash
15	International conference on changing contours of Indo US relations	30th Oct- 1st Nov 2014	Dr. R P Pradhan
16	Annual Cultural Fest Waves 2014	1st -3rd Nov, 2014	Director's Office
17	IDR Workshop 2014	13th -16th Nov 2014	Dr. M Srikanth
18	Conference on Decentralised Biogas Digester & Their Slurry Management	20th -22nd Nov 2014	Dr. M Srikanth
19	07th Know Goa Programme 2014 for Goan Diaspora Youth	4th Dec 2014	P R Office
20	XXIX SERB School in Theoretical High Energy Physics Conference	19th Dec-9th Jan 2015	Dr. Prasanta kumar Das

SPONSORED RESEARCH AND CONSULTING**FINANCE AND FUND SUPPORT****ONGOING SPONSORED RESEARCH PROJECTS**

S.No.	Title of the project	Name of Principal Investigator/ Co-investigator	Funding Agency	Sanctioned amount of the project (Rs)	Duration
1.	Structure elucidation of VC0395_300 protein from Vibrio cholera (leading to an alternate methodolerae epidemics)	Dr. Sumit Biswas 2010/37B/51/BRNS	BRNS, DAE	[24,30,050]	3 years
2.	A new novel biodegradable polymer scaffold for cartilage tissue engineering	Dr. Vijayashree Nayak 2011/37B/04/BRNS	BRNS, DAE	[23,34,700]	3 years
3.	Aspects of some astrophysical systems like supernovae and neutron tars in the light of new physics	Dr. Prasanta Das 2011/37P/08/BRNS	BRNS, DAE	[20,77,700]	3 years
4.	Study the effect on nanoparticles on protein synthesis and expression of small GTPases	Dr. Angshuman Sarkar 2011/37B/25/BRNS	BRNS	[21,13,400]	3 years
5.	Physicochemical characterization of the primary sigma factor of Vibrio cholera	Dr. Sumit Biswas BT/210/NE/TBP/2011	DBT (under Twinning Program for the NE)	[7,97,000]	3 years
6.	Study of effective interactions in charged colloidal suspensions	Dr. Raghunath Behera 01(2513)/11/EMR-II	CSIR	[12,00,000]	3 years
7.	Photoluminescence Studies on Undoped and Transition Metal Doped ZnO Nanoparticles	Dr. Teny Theresa John	DST-FT	[23,34,000]	3 Years
8.	Studies on Putative GGEEF/Sensory Box Domain Protein of Vibrio Cholerae	Dr. Sumit Biswas SR/FT/LS-122/2010	DST	[21,80,000]	3 years
9.	Magnetotactic bacteria: Bioresource of nanomagnets (Magnetosomes)	Dr. Nimali N Prabhu SR/FT/LS-120/2011	DST	[25,00,000]	3 years
10.	Tissue engineering of human placental stem cells into a functional pancreas	Dr. Anasuya Ganguly SR/FT/LS-137/2011	DST	[22,14,000]	3 years
11.	Magnetotransport in magnetic tunnel junctions	Dr. Ram Shankar Patel SR/NM/NS-1002/2010(G)	DST	[52,65,000]	3 years
12.	Design and development of condition based monitoring of pipelines using wireless sensor networks	Dr. K.R. Anupama Dr. Arun Kumar Jalan Dr. Lucy J Gudino Dr. K. N. Ponnani Dr. Sharad Srivastava Dr. Neena Goveas GAIL/NOIDA/R&D/BITS/ WSN/2012/01	GAIL	[71,36,000]	2 years
13.	Seawater desalination using liquefied natural gas (LNG) refrigeration	Prof. K. Srinivas GAIL/NOIDA/R&D/BITS- GOA-LNG/2012/01	GAIL	[3,82,21,000]	3 years
14.	Prediction of thermodynamic, thermophysical, transport, thermoacustical and excess properties of binary,	Dr. Ranjan Dey 01(2682)/12/EMR-II	CSIR	[10,12,830]	3 years

S.No.	Title of the project	Name of Principal Investigator/ Co-investigator	Funding Agency	Sanctioned amount of the project (Rs)	Duration
	multicomponent liquid mixtures and ionic liquids (RTIL's)				
15.	High-efficiency energy conversion in Steam boilers using unmixed combustion	Prof. K. Srinivas SR/S3/CE/031/2011	DST	[31,05,000]	3 years
16.	Experimental wear analysis of an artificial hip implant materials using an advanced tribometer customized for bio-tribological studies	Prof. D. M. Kulkarni Mr. A. C. Kukarni Dr. Hemant Kumar Mrs. Jyotsna Kulkarni SR/S3/MERC/0077/ 2011	DST	[22,00,000]	2 years
17.	An Investigation on Derivatives of meso Tetrathienylporphyrin as dye sensitized Solar cells	Dr. P. Bhavana 02(0076)/12/EMR-II	CSIR	[17,11,080]	3 years
18.	Protein-ranking and novel Intervention strategies against mycobacterium tuberculosis using graph theory and bioinformatics resources	Dr Veeky Baths Dr. Utpal Roy SR/FT/LS-83/2012	DST-FT	[8,60,000]	3 years
19.	Experimental investigations of rotational moulding process using nano-scale fumed silica composites	Dr.Sachin D Waigaonkar SR/FTP/ETA-61/2012	DST-FT	[15,84,000]	3 years
20.	Spectroscopic investigation of the properties of low lying electronic states of some chemopreventive retinyl nitrones and comparison of their light-induced properties with retinyl iminium ions	Dr. Anjan Chatopadhyay Dr. Mainak Banerjee 01(2681)/12/EMR-II	CSIR	[12,64,830]	3 years
21.	Synthesis of metal-organic-porous material based efficient chiral heterogenous catalysts by post synthetic modification and their applications in asymmetric reactions	Dr. Mainak Banerjee 02(0075)/12/EMR-II	CSIR	[22,25,580]	3 years
22.	Analysis of metabolically active bacterial species in anaerobic digesters	Dr. M. Srikanth 37(1555)/12/EMR-II	CSIR	[21,10,800]	3 years
23.	Probing New Physics at high energy colliders	Dr. Prasanta Das 03(1244)/12/EMR-II	CSIR	[15,66,800]	3 years
24.	Rotational moulding of LLDPE using nanoscale fumed silica composites	Dr.Sachin Waigaonkar F.20-3(21)/2012(BSR)	UGC Start up grant for newly recruited faculty	[6,00,000]	3 years
25.	Cloning and characterization of the promoters of Staphylococys. aureus temperate bacteriophage, ϕ 11	Dr. Malabika Biswas 2013/37B19/BRNS	BRNS	[23,99,719]	3 years
26.	Studies in neighborhood magic graphs	Dr. Tarkeswar Singh SR/S4/MS:734/11	DST (Major)	[12,69,360]	3 years
27.	Identification and characterization of abiotic stress responsive With No Lysine (WNL)	Dr. Kundan Kumar SB/FT/LS-312/2012	DST-FT	[22,65,000]	3 years

S.No.	Title of the project	Name of Principal Investigator/ Co-investigator	Funding Agency	Sanctioned amount of the project (Rs)	Duration
	kinase in rice (<i>Oryza sativa</i> L.)				
28.	Neutron stars as a source of potential continuous gravitational wave emitter	Dr. Tarun Kumar Jha Dr. S. K. Sahay 2013/37P/5/BRNS	BRNS	[17,00,000]	3 years
29.	Role of environmental toxin in kidney related diseases in Canacona Taluk, Goa	Dr. Anasuya Ganguly Dr. M. Srikanth 27(0284)/13/EMR-II	CSIR	[11,99,400]	3 years
30.	Alternative splicing in signal transduction and disease: A genome wide approach	Dr. Indrani Talukdar SB/YS/LS-60/2013	DST-FT	[20,00,000]	3 years
31.	Development and characterization of nanomaterials for biosensors and biocatalysis	Dr. N. N. Ghosh INT/DST/INT/UK/P-41/2012 Prof. Sunil Bhand Dr. C. K. Mitra UK counterpart Prof. Paul Antony Milner, University of Leeds	UKIERI-DST	[26,32,000]	2 years
32.	Imprinted polymer for sensing and removal of selected antibiotic and pesticide residue	Prof. Sunil Bhand NFBSFARA/PHT-4007/2013-14 Dr. Y S Rajput, NDRI, Karnal Prof. Sudhir Chandra, IIT, Delhi	NFBSFARA ICAR	[60,60,500] (BITS share out of total 139.68410 lakhs consortium project)	2 years
33.	Searching for new physics in B-meson decay	Dr. Chandradew Sharma Principal collaborator: Dr. Rahul Sinha 2013/37P/34/BRNS	BRNS	[19,74,500]	3 years
34.	Improving the energy efficiency of solar cells by spin caloritronics	Dr. Ethirajulu S. Kannan SR/FTP/PS-138/2012	DST-FT	[22,08,000]	3 years
35.	Biotransformation of Phosphogypsum by sulphate reducing bacteria	Dr. M. Srikanth BT/PR7470/BCE/8/952/2013	Environmental Biotechnology Division (DBT)	[5,21,000]	1 years
36.	Development of efficient bioleaching process for the metal recovery from spent catalysts	Dr. S. S. Baral Dr. P. Venkateswara Rao	DBT	[17,62,600]	3 years
37.	Preparation of Magnetically Separable, Mesoporous TiO ₂ Catalyst and Study of their Catalytic Properties	Dr. N.N. Ghosh Coinvestigator: Dr. Mainak Banerjee	CSIR	[19,04,800]	3 years
38.	CROSS CULTURAL COMMUNICATION – An empirical analysis of cross cultural communication variables in Indian industries leading towards developing appropriate strategies for multi-cultural workplaces and academia	Dr. Basavadatta Mitra	UGC	[6,50,600]	3 years
39.	Development of β,β' -edge fused π -elongated donor-	Dr. Subhadeep Banerjee	DST-FT	[22,60,000]	3 years

S.No.	Title of the project	Name of Principal Investigator/ Co-investigator	Funding Agency	Sanctioned amount of the project (Rs)	Duration
	acceptor porphyrin possessing Near-IR optical spectra				
40.	Flow investigation through uED-milled metallic micro channels	Dr. G. Karthikeyan	DST-FT	[21,21,000]	3 years
41.	Regulation of hypothalamic gonadotropin releasing hormone expression by putrescine in female rats	Dr. Arnab Banerjee	SERC, New Delhi	[22,24,000]	3 years
42.	Nonadiabatic molecular processes on threefold electronic degeneracies	Dr. Tanmoy Mondal DST/INSPIRE Faculty Award /2013	DST- Inspire	[35,00,000]	3 years
43.	Development of polymer-ferrite (and/or grapheme) nanocomposites having high thermal stability and microwave absorption property for Radar Absorbing Coating Application	Dr. N.N. Ghosh ERIP/ER/1305004/M/01/1523	DRDO	[14,59,000]	3 years
44.	Mining closure, economic disruption and local level sustainability: A case study of Goa, India	Dr. A K Mishra Co Directors: Dr. R. P. Pradhan Dr. Debashish Patnaik Dr. Kotha Mahendra 02/15/2014-15/RPR	ICSSR	[9,00,000]	2 years
45.	Study on EMT regulation through TGF β /SMADs in gall bladder disease	Dr. Vijayashree Nayak Coinvestigator Dr. Utpal Roy Dr. Rajani Gaiind VMMC & Safdarjung Hospital, Delhi SB/SO/BB-0103/2013	SERB	[37,90,000]	3 years
46.	Microbial Diversity and Biotechnological Potentials of selected polar microorganisms	Mrs. Purnima Singh Mentor: Dr. Utpal Roy SR/WOS-A/LS-419/2013	DST- WOS	[17,65,000]	3 years
47.	Experimental and simulation studies on coke mitigation in petroleum refinery systems	Prof. Srinivas Krishnaswami Coinvestigator: Prof Ponnani	Centre for High Technology (CHT) UGC-DAE	[1,32,97,000]	3 years
48.	Investigations on microstructures of hard-soft ferrite nanocomposites and influence of microstructures on their properties	Dr. N.N. Ghosh Coinvestigator: Dr. P. Parameswaran CSR/Acctts/2014-15/671		[2,63,400]	1 years
49.	Gheolocial Dynamic of poymer layered silicate/graphene nano-composites	Dr. Asima Shaukat DST/INSPIRE Faculty Award /2014	DST- Inspire	[35,00,000]	5 years
50.	Chalcogen containing azomethine macrocycles and bicycles: synthesis, characterization, metal complexes and theoretical investigations of nature of intramolecular interactions between divalent chalcogen and nitrogen atoms	Dr. Arunashree Panda Coinvestigator: Dr. R. N. Behera SR/WOS-A/CS-04/2014 (G)	DST WOS	[17,10,000]	3 years
51.	Addressing challenges in	Dr. Santonu Sarkar	DST	[37,55,775]	3 years

S.No.	Title of the project	Name of Principal Investigator/ Co-investigator	Funding Agency	Sanctioned amount of the project (Rs)	Duration
	application development for heterogenous computing platform for speedup and power efficiency	SB/S3/EECE/0170/2014			
52.	Studies on anticoagulant platelet aggregation inhibitors from Indian cobra and viper venoms	Dr. Dibakar Chackrabarty Coinvestigator: Dr. Angshuman Sarkar Dr. Veeky Baths BT/PR5713/BRB/10/1112/2012	DBT	[36,54,400]	3 years
53.	Purification and characterization of a promising antifungal peptide (with special reference to <i>Candida albicans</i> and <i>Cryptococcus neoformans</i>) produced by a Wild-type <i>Bacillus</i> sp. and cloning of its structural gene	Dr. Utpal Roy Coinvestigator: Prof. Dibakar Chakrabarty SB/SO/HS/015/2013	DST	[10,00,000] Sanctioned	3 years
54.	Development of a field portable devise for the analysis of environmental contaminants in water	Prof. Sunil Bhand Coinvestigator: Prof A P Koley Mr Gautam Bacher PCs: Dr. V K Suri Dr. R. Balasubramaniam Shivam Mishra Ashwin Rathod (ALL from Precision Engineering division, BARC, Mumbai) 36(2)/14/25/2014-BRNS	BRNS	[24,98,010] Sanctioned	3 years
55.	Studies of the effects of quinacrine (QC) on regulation of Rho like small-GTPase and apoptosis in human lung and breast cancer cell lines cultured in vitro	Dr. Angshuman Sarkar Coinvestigator: Dr. Indrani Talukdar	DBT	Approved Proposed amount [23,97,388]	3 years
56.	Speech processing system to overcome distorted hearing in elderly sensorineural hearing impaired	Dr. Lucy Gudino Coinvestigator: Dr. K. R. Anupama	SEED, DST	Approved Proposed amount [61,08,640]	3 years
57.	Study and analysis of fluid dynamics and heat transfer characteristics in circulating fluidized bed heat exchanger with novel designs of distributor plates	Dr. Ranjit S Patil	SERB-fast track	Approved Proposed amount [17,65,000]	3 years

Ongoing Departmental Projects

Title of the Project	Name of the Department	Funding Agency	Sanctioned Amount (Rs)	Duration
Fund for improvement of S&T Infrastructure in Universities and Higher Educational Institutions (FIST)	Biological Sciences	DST	29,00,000	5 years
Fund for improvement of S&T Infrastructure in Higher Educational Institutions (FIST)	Physics	DST	49,25,000	5 years

Fund for improvement of S&T Infrastructure in Universities and Higher Educational Institutions (FIST)	Mechanical Engineering	DST	40,00,000	5 years
Fund for improvement of S&T Infrastructure in Higher Educational Institutions (FIST)	Chemistry	DST	38,50,000	5 years
Fund for improvement of S&T Infrastructure in Universities and Higher Educational Institutions (FIST)	EEE &IE	DST	18,00,000	5 years
Fund for improvement of S&T Infrastructure in Universities and Higher Educational Institutions (FIST)	Mathematics	DST	18,75,000	5 years
Fund for improvement of S&T Infrastructure in Higher Educational Institutions (FIST)	Chemical Engineering	DST	31,00,000	5 years

B2.12 CENTRAL FACILITIES REPORT

(I) CENTRAL LIBRARY

The Library complex of BITS, Pilani – K K Birla Goa Campus comprises of a spacious building covering an area of 50000 sq ft. It is designed to provide several reading halls and a digital library with 11 public access internet terminals for convenient internet reference, apart from a large area earmarked for books storage. The Library has been provided with a wireless network whereby users can access the internet using their laptops. The Library is equipped with modern furniture well designed taking into consideration the future growth of the Library collection and the needs of the users. Presently, it has a seating capacity of 450 which is likely to be expanded in the coming years.

The Library remains open throughout the year (except on 5 public holidays) from 09.00 am to 11.00 pm on all working days, from 9.00 am to 8.00 pm on Saturdays and from 10.00 am to 8.00 pm on Sundays and other holidays when the academic session is on. During recess and vacations, it is open from 09.00 am to 05.00 pm.

The Library web-site has been linked with the Institute home page for easy access. The home page was designed and developed by students. The Library had been using LIBSYS Library Management Software to automate all its house keeping activities; from July 2014 a switch to LibLime Koha software system has been made. The Library Koha Web OPAC includes advanced search options for books and journals. The Library also hosts an online repository of publications of the students and faculty members of the Campus. As of 2015, these services (Koha OPAC and the repository) are accessible only while connected to the Campus intranet. In future, Internet connectivity will be offered.

Server Migration: Koha

The Library rendered standard services like issuing of books, attending to reference queries etc., through the online LibSys Library Management software system. In 2012-13, a high-level decision was made to switch to some other software system, preferably an open-source one, in order to obtain freedom of customization and expansion of services which was absent in the former system. This decision was arrived at after repeated requests to the vendors of LibSys failed to elicit an encouraging response to our needs and wants. And then in synchronism with the tradition in BITS, faculty members and students were roped in to facilitate the migration. A survey of library management software systems used by the best libraries in Goa was made, and online communities were consulted, to zero in on LibLime Koha as the replacement. Through the combined efforts of them and the Library staff, successful migration to Koha was accomplished in July 2014. It is a matter of pride, among the community of library professionals, that we have achieved this without a single data entry remade manually. The decision and the choice of Koha was vindicated as soon as it was implemented: students enthusiastically responded to the new OPAC services and began making community sharing effort. The Library staff also expressed appreciation for the ease and flexibility of use of the new system, after the initial period of learning. Among all the BITS, Pilani Campuses, our Campus has been the first to accomplish this.

Acquisition and circulation

The Library collection has reached 33934 volumes, growing by 3%. The average growth in the last decade had been around 10%. The decline in this year had been foretold, during the budgeting exercise for the current FY: unfavorable exchange rate rise and aggressive price rise by journal publishers is putting pressure on the share of journals and online resources in the budget. In order to continue subscriptions to all the important content, the Library has been forced to cut down on the budget for books.

Reference Section

The Library has a good collection of reference materials, like encyclopedias and handbooks. However, a clear trend among users has emerged that is making the print versions obsolete: the rise in the use of online databases and search engines. The Library, through deliberations in the Library Committee, is planning to shift to this mode in future. Just as many journal and online content publishers are raising subscription rates, there is also a mitigating trend of free online access and shared resources. The Library is gearing up to become an efficient facilitator for accessing this online treasure trove through Koha.

Journals and Online Resources

The Library subscribes to 66 Indian Journals and 19 Foreign Journals in print, 17 online journals, 6 digital library packages for researchers of different disciplines. Print journal numbers have declined slightly, from 82 and 22 respectively for Indian and foreign journals, while the online resources have gone up. This is a shift the Library is making deliberately, in unison with the trend and preference among the users. Digital library packages include IEL Online, ASME, ScienceDirect, AEA Journals, ProQuest, ACM Digital library. Apart from these, online access to more than 3000 journals through INFLIBNET is available to the Campus. The Library home page gives links to the resources available, for easy location and access. Useful articles, news, newspaper clippings are displayed from time to time on the notice board for the information of readers.

Other services

The Library has a collection of 35 educational video cassettes and 1342 CDs. The Library keeps the readers informed of all the books added to the Library through a regular display of new arrivals as well as updates on email. From time to time book exhibitions by publishers are arranged to facilitate faculty members selecting books for the library.

(II) COMPUTER CENTRE

(A) Computer Hardware

No.	Make	Configuration	Number	Area of utilization
01	Lenovo Edge73 Desktop	Intel Core i7 Processor,8GB RAM,500GB HDD, DVD ROM	20	Central Computing Labs, Various Department Labs, Faculty members and Staff members for carrying out their academic teaching and research work.
02	Dell Optiplex 7010 Desktop	Intel Core i7 Processor,8GB RAM,1TB HDD,DVD ROM	58	
03	Lenovo All In One Premium A520 Desktop	4GB RAM,1TB HDD,1GB Nvidia Graphics Card,DVD ROM,23 Inch Monitor Display	1	
04	Lenovo All In One Premium B340 Desktop	4GB RAM,1TB HDD,1GB Nvidia Graphic Card,DVD ROM,21.5 Inch Monitor Display	1	
05	Dell Optiplex 3010 Desktop	Intel Core i3 / i5 Processor,8GB RAM,500GB/1TB HDD,DVD ROM	100	
06	Dell Optiplex 390 Desktop	Intel Core i3 Processor,8GB RAM,500GB HDD,DVD ROM	70	
07	Dell Optiplex 990 Desktop	Intel Core i3 Processor,4GB RAM,500GB HDD,DVD ROM	53	
08	Dell Optiplex 380 Desktop	Intel Core 2 Duo Processor,2GB RAM,320GB HDD,DVD ROM	31	
09	Dell Optiplex 360 Desktop	Intel Core 2 Duo Processor,2GB RAM,160GB HDD,DVD ROM	20	
10	Dell Optiplex 755 Desktop	Intel Core 2 Duo Processor,2GB RAM,160GB HDD,DVD ROM	75	
11	Dell Optiplex 330 Desktop	Intel Core 2 Duo Processor,2GB RAM,160 HDD,DVD ROM	20	
12	HP Compaq DX2700	Intel Core 2 Duo Processor,1GB RAM,80GB HDD,DVD ROM	10	

No.	Make	Configuration	Number	Area of utilization
13	HP Pavilion P6730IN Desktop	Intel Core i3 Processor,4GB RAM,1TB HDD, DVD ROM	2	Faculty members and Staff members for carrying out their academic teaching and research work
14	Apple iMac	Intel Core i5 Processor,4GB RAM,500GB HDD,DVD ROM	2	
15	Lenovo G510 Laptop	Intel Core i5 Processor,4GB RAM,500GB HDD,DVD ROM	20	
16	DELL LATITUDE E5430 Laptop	Intel Core i7 Processor,4GB RAM,500GB HDD,DVD ROM	20	
17	SONY VAIO ULTRA BOOK	NA	1	
18	LENNOVO ThinkPad E430 Laptop	Intel Core i3 Processor,4GB RAM,500GB HDD,DVD Rom	5	
19	Dell Vostro 2420 Laptop	Intel Core i3 Processor,4GB RAM,500GB HDD,DVD ROM	10	
20	Dell Vostro 1550 Laptop	Intel Core i3 Processor,4GB RAM,500GB HDD,DVD ROM	40	
21	HP Tablet PC - TM2-2102TU	NA	4	
22	Dell Vostro 3550 Laptop	Intel Core i3 Processor,4GB RAM,500GB HDD,DVD ROM	106	

(B) Servers

Sl. No.	Server	Make	Qty	Configuration	OS
Network servers					
1	DNS	DELL	2	[DELL Optilex 755,Core 2 Duo 2.33GHZ, 2 GB RAM,160GB HDD]	Windows 2003
2	DHCP	DELL	2	[DELL Optilex 755,Core 2 Duo 2.33GHZ, 2 GB RAM,160GB HDD]	Windows 2003
3	LDAP	DELL	1	[DELL PowerEdge T410, Quad Core 2.26 GHz 8 GB RAM, 500 GB HDD]	Cent OS
4	Cisco Works	DELL	1	[DELL Optilex 755,Core 2 Duo 2.33GHZ, 2 GB RAM,160GB HDD]	Windows 2000
Communication Servers					
1	Web Server	DELL IBM	3	[DELL PowerEdge T410, Quad Core 2.26 GHz 8 GB RAM, 500 GB HDD] [IBM x3650 M4 Dual Processors(6 Core),128GB RAM, 3TB Hard Disk]	Windows 2003
2	Call Manager	Cisco	2	1 GB RAM, 40 GB HDD	Windows 2000
3	SWD Server	DELL	1	[DELL Optilex 755,Core 2 Duo 2.33GHZ, 2 GB RAM,160GB HDD]	Windows 2003
4	Cyberoam Report	IBM	1	[IBM x3650 M4 Single Processors(6 Core),32GB RAM, 500GB Hard Disk]	Fedora
Academic Servers					
1	Academic FTP	IBM	1	[IBM x3650 M4 Dual Processors(6 Core),128GB RAM, 3TB Hard Disk]	Fedora
2	Staff/ Faculty FTP	IBM	1	[IBM x3650 M4 Dual Processors(6 Core),128GB RAM, 3TB Hard Disk]	Fedora
3	Mech (Ansys, MATLAB,)	DELL	1	[DELL Optilex 755,Core 2 Duo 2.33GHZ, 2 GB RAM,160GB HDD]	Windows XP2
4	Pro-E	DELL	1	[DELL Optilex 755,Core 2 Duo 2.33GHZ, 2	Windows 8

Sl. No.	Server	Make	Qty	Configuration	OS
				GB RAM,160GB HDD]	
5	Course Management (Moodle)	DELL	1	[DELL PowerEdge T410, Quad Core 2.0 GHz,8GB RAM, 500 GB HDD]	CentOS
6	BITSAT	DELL	3	[DELL Optilex 755,Core 2 Duo 2.33GHZ, 2 GB RAM,160GB HDD]	Windows 2003

(C) COMPUTER CENTER (Central Facility)			
Central Computing Lab, Zone I	Lenovo Edge73, Intel Core i7 Processor,8GB RAM,500GB HDD	20	Windows 8, Office 2010 AutoCAD Modelsim Xilinx
	Dell Optiplex 7010, Intel Core i7 Processor,8GB RAM,1TB HDD	40	
	Dell Optiplex 3010, Intel Core i5 Processor,8GB RAM,500GB/1TB HDD	40	
Central Computing Lab, Zone II	Dell Optiplex 3010, Intel Core i5 / i3 Processor,8GB RAM,500GB/1TB HDD	30	Windows 8, Office 2010 AutoCAD Modelsim Xilinx
	Dell Optiplex 390, Intel Core i3 Processor,8GB RAM,500GB HDD	30	
	Dell Optiplex 990, Intel Core i3 Processor,4GB RAM,500GB HDD,DVD ROM	40	
Central Computing Lab, Zone III	Dell Optiplex 380, Intel Core 2 Duo Processor, 2GB RAM,320GB HDD	20	Linux
	Dell Optiplex 360, Intel Core 2 Duo Processor, 2GB RAM,320GB HDD	10	
	Dell Optiplex 755, Intel Core 2 Duo Processor, 2GB RAM,160GB HDD	30	
	HP Compaq 2700, Intel Core 2 Duo Processor, 1GB RAM,80GB HDD	10	
(D) Operating System and Software Licenses			
Windows	Windows 8	250	
Windows	Windows Server Standard 2008 / 2010	10	
Nod-32	Nod-32 Antivirus	600	
Microsoft Office	Office 2007 and Office 2010	250	

Network Facilities

Campus Local Area Network

The Campus LAN Project of BITS Pilani – K K BIRLA Goa Campus is a state of the art, completely switched, voice enabled LAN infrastructure. LAN is able to provide 100 Mbps fibre channel network connectivity to all faculty cubicles, offices, library, Labs, lecture theatres, workshop, auditorium all hostel rooms, staff quarters, visitors' guest house, shopping complex, student activity center & other public facility locations in the campus. There are 4000+ nodes across the campus.

The network is a three-layer network, namely core, distribution and access. The core & distribution layer is connected through gigabit fibre optic backbone, while the access layer is using enhanced CAT5 / CAT6 cabling. The network is designed to provide link level and device level redundancy.

Wi-Fi Network

The Institute building, Visitors' Guest House, Student Activity Center and Medical Center are provided with secured Wi-Fi network facility. The Wi-Fi solution is from RUCKUS.

Cloud Based Services (e-mail and File Storage)

University e-mail solution is supported by Google for 30,000 users of BITS campuses and WILP students. This solution is an integrated solution covering e-mail with 30 GB space, file storage with 5 GB space, collaboration tool, file sharing, personal web-pages, calendaring system, etc

LAN Security

The LAN security is provided by Cyberoam firewall with high availability and redundancy. The facility also supports high availability of internet lines and support on-demand bandwidth at any location with load balancing.

Voice Communication

All faculty members have been provided with a laptop / desktop and VoIP telephone facility in their chambers. The VoIP facility facilitates receiving of incoming call directly on the individual telephone.

Video Communication

Multi-point video conferencing facility is made available using POLYCOM HDX machine. This facility is utilized for online meetings of research groups in India as well as across the world apart from the administrative meetings.

Internet Bandwidth

No.	Area	Bandwidth Allocated	Service Provider
01	Hostels, Guest House	200 Mps	GWave (150) Vodafone (50)
02	Institute Building, Staff Quarters	100 Mbps	Vodafone (100)
03	Video Conferencing	5 Mbps	Vodafone
04	Cross Campus Teaching and Lectures/talks from BITS Alumni using web-based technology	45Mbps	Tata Tele Services

Cross Campus Connectivity

No.	Area	Bandwidth Allocated	Service Provider
01	MPLS Connectivity connecting Pilani, Hyderabad, Goa campus with the Data center co-hosted at Mumbai for the ERP applications.	5 Mbps	Tata Tele Services
02	MPLS Connectivity connecting Pilani, Hyderabad, Goa campus with the Data center co-hosted at Mumbai for the BITS Connect 2.0 applications.	30 Mbps	Tata Tele Services

Virtual Class Room (BITS Connect 2.0)

Virtual classroom is set up at K K BIRLA Goa campus. This facility will enable faculty to deliver lectures to all four BITS campuses simultaneously; alumni and experts to remotely deliver lectures and conduct workshops or panel discussions to multiple BITS campuses simultaneously, with recording and streaming of lectures.

Telepresence Conferencing Room (BITS Connect 2.0)

(III) Telepresence Director and Placement Office conference room of 18 capacity have been set up at K K BIRLA Goa campus to facilitate virtual meetings for academic and administrative decisions at University level. Licenses for webex (web conferencing software) have been provided to all the faculty to facilitate discussions related to course work and research. This facility will also open up avenues of multimedia collaboration with anybody outside the campus. High end (CISCO EX 90) desktop systems are set up on the desk of

(III) Workshop

The central workshop is equipped with following equipments purchased during the year 2014 are as follows:

S.No.	Particulars
1	Electroplating DC Power supply device having Input-240V AC, Output- 30V, 30Amps DC with powder coated sheet metal enclosure comprising of 5A Variac, Transformer - 1KVA, Digital Voltmeter, Digital Ammeter, MCB at input side etc.
2	Ultrasonic Cleaning Machine: No. of Chambers: 1-Ultrasonic, Tank Dimensions (mm) 10"x10"x15", Power supply voltage 230V/50Hz. Ultrasonic Power 500watt, Ultrasounds frequency 34+/-3 KHz
3	Dimension Elite 3D Printer
4	Vertical Turret Milling Machine
5	Surface Roughness Tester 178-583-02E - SurfTest, SJ-412 (4mN type) with accessories.
6	Aluminium Melting Furnace Capacity : 15 Kg

(iv) Central Facilities & Monitoring:

The central facilities on campus include central water receiving and distribution facility, central electric power receiving distribution center, Sewage Treatment plant, Diesel Generator, and central Air-conditioning plant. The details of these facilities are as follows:

Central Facilities	Installed Size/Capacity
PWD Water Connection	500cumec
Water Storage Sump	1800 cumec . Three tanks of 600 cumec each
Overhead Water Tank	150 cumec. Water pumped from the main sump to over head tank and distributed to campus residences through gravity.
No. of Bore Wells	9 Nos. / 84 cumec
GEB Electricity Supply	3000KVA and 2000 KVA transformers at 33 KV substations is energized with distribution of load by completing loop. A separate 11 KV line connected at PCC2 for AC plant with 1000 KVA transformer
Transformer	500/1500/750/750 KVA at PCC1,2,3 and 4 respectively. 3000KVA and 2000 KVA transformers installed at 33 KV substation step down power from 33 KV to 11 KV
Diesel Generator	2X500 connected to main building lighting, 750 KVA DG connected to air condition plant. One 62.5 installed for pump house for to pump water in case of power failure another 62.5 installed at VGH and 35 KVA DG connected to medical centre.
AC Plant	660 TR load connected to main building includes class rooms, cubicles, computer centre, Library and Auditorium etc.
Sewage Treatment Plant	Capacity 600 cumec and treated water is used for campus garden watering
Hybrid Power	Installed three of 5 KW each and power generated from solar and wind is fed to street light.
Solar Water Heater	47 nos of solar water heater are installed in hostels
Tele presence class room	200 capacity class room has been built for across three campus live class with the help of latest technology.

B2.13 MAJOR MAINTENANCE, RENOVATIONS OR NEW CONSTRUCTION REPORTS**Main Building**

Three new labs are constructed for Physics, Chemistry and Biology near Wing C with a carpet area of 150 Sq m each. Scholar student area has been created to carry out their theoretical research work.

B2.14 MAJOR EQUIPMENTS ACQUIRED DURING THE YEAR

Sr no.	Asset Description	Location	Rate	Qty	Amount
1	Dell Optiplex 3020SFF	EEE & E & I Dept.	56700	15	850500
2	Dell Optiplex 3020 Minitower BTX Base	Workshop	50181	3	150542
3	Lenovo Desktop	Centre Computer Lab CC-219	49600	20	992000
4	Eltek High Speed Refrigerated Centrifuge MP-400R	Genetic Engineering Lab C-105	236118	1	236118
5	Equibath Refrigerated Circulating Bath	Biological Science -MT-1 lab	85556	1	85556
6	Equition Concentric ring water bath	Biological Science -C-103	20461	1	20461
7	Refractometer Dodel J257with contact pressure option	Chemistry Lab C-207	527385	1	527385
8	Ice flake Maker citizen scales	Chemistry Lab C-114	157877	1	157877
9	Laws of Collision Demonstration track with 4-4 meter	Physic Lab B-113	247644	1	247644
10	6708M0005A ISN 470 Integrating Sphere	Physic Lab B-113	396781	1	396781
11	Water Chiller model no. IMIN001D0AX single phase	Physic Lab B-108	148850	1	148850
12	CGE Pro 925 HD nightspace with kit	Physic Lab B-113	1806431	1	1806431
13	Sterio Zoom Microscope with camera, Software & Accessores	Material Synthesis Lab	516127	1	516127
14	Air Cooled oil free air compressor auto drain system	Chemical Lab A-107	87055	1	87055
15	Prtable fire Extinguisher full face mask	Mass Transfer Lab A-105	63484	1	63484

Sr no.	Asset Description	Location	Rate	Qty	Amount
16	BAC160SS at line spectrometer	Chemical Lab A-108	493135	1	493135
17	Aplab four multi output power supply	Embedded System EEE Lab A-307	16566	8	132525
18	Solar PV training & research system	EEE Lab for weather observation PCC_3	206500	1	206500
21	3200 lumens XGA Projector	Class Room A-601-605 & C-401,405	46463	5	232313
24	Recold solar water heater	Hostel -CH-2,3,4,5	73400	6	440400
25	Tata solar water heater 500LPD	Hostel AH-1 to 5	125987	5	629937
26	Sintex 1000ltr tanks	AH-1 to 7 & CH-2,5,6	17076	10	170758
30	Motorised treadmill HRS T-500	SAC	87500	1	87500
32	Magnetic upright bike	SAC	40000	1	40000
33	Dimesion Elite 3D	Workshop CNC Lab	1763122	1	1763122
34	Air conditioner 2.5 TR & 1.5TR	Workshop,faculty Cubic			250488
35	Cisco unified call manager	Server Room CC-119			2746811
36	7914FT2 IBM system	HPC server	560000	3	1679999
37	7.5KVA/144DC online Ups System	Workshop CNC Lab	104000	1	104000
38	Air conditioner 2.5 TR & 1.5TR	Medical Centre			160421
39	Air conditioner 2.ton	A wing Class Room			382361
40	Windfarmer Base & Enery MCP software with licnce	EEE Dep CC-123	348185	1	348185
42	Metering Panel	PCC-3	101363	1	101363
43	KD2 Pro Thermal Properties Analyzier	Thermal scicne lab	354979	1	354979
44	MR Damper long length & wonder kit box	IC Engine Macheanical Lab	128993	1	128993
45	M3 Vertical Turret milling machine	Mechanical Eng lab	455908	1	455908
46	Surface Roughness terser	WSCNC lab	596400	1	596400
47	Research test rig with digital pressure indicator	Mechanical Eng lab	343466	1	343466
48	Aluminium melting furance	Mechanical Eng lab	168863	1	168863
52	Academic tah licence for matlab	EEE,Mechinal,Physic,Mathem atics			1216396
53	Academic research & CFD ver.15.0	Mechanical Eng lab	1690000	1	1690000
54	Ansys Academic teaching mechanical & CFD Ver.5	Mechanical Eng lab	1100000	1	1100000
55	Powess multi user lan version data software	Economic Dep.	107865	1	107865
56	Autoclave Machine	RIG Project Soraj baral	67070	1	67070
57	Dell precision	RIG project Ranjit Patil	175007	1	175007
58	Dell precision T5610	RIG project Rajaram Lakkaraju	196216	1	196216
59	Dell precision T5610	RIG project Trushar Gohil	196216	1	196216
60	IMB System X 3300	RIG project Dr Venkatesan	129045	1	129045
61	Laptop intel core i5	RIG Vijayshree Nayak	49340	1	49340
62	Whirpool Refrigerter	RIG Vijayshree Nayak	52415	1	52415
63	Memsic MPR2400CA	RIG Lucy Gudino	8978	5	44890
64	Dell Optiplex 3020 Minitower BTX Base	Process control Lab	45864	10	458640
65	Dell Optiplex 3010 D T N	Micro Electronic Lab	40327.4	10	403274
66	Dell Optiplex 3020 Minitower BTX Base	WILPD Office	65575	1	65575
67	Dell Optiplex 7010 D T N	CC-219	48510	22	1067220
68	Dell Optiplex 7010 D T N	CC Lab	49107.2	20	982143
69	Dell Optiplex 3710	PRO Office	54170	1	54170
70	Dell Optiplex 9020 mini towerdesktp	Mechanical Eng lab	75216	5	376080
71	Dell Optiplex 7010 D T N	Admn office	54170	1	54170
72	Dell Optiplex 3020 Minitower BTX Base	Physic Lab B-113	45611	4	182444
76	Lenovo laptop model G 510	New Joining faculty	39900	28	1117200
77	Dell Laptop latitue 3540	CC A-330	52000	7	364000

Sr no.	Asset Description	Location	Rate	Qty	Amount
78	Lenovo laptop model G 510	Physic lab	44089	1	44089
80	Programmable Logic IC Development software	CS & IS Room A-418	999909	1	999909
81	Programmable Logic IC Development Tools & Accessories	CS & IS Room A-418	2799973	1	2799973
82	Memsic Zigbee Complaint MIC processor radio board		41496	10	414958
84	Numeric 30KVA HPE UPS	CC office	638090	1	638090
85	Document Elmo L-12 camera	TP Room	70875	1	70875
86	LED TV 32"	VGH	23000	13	299000
87	LED TV 42"	VGH	49500	2	99000
88	LED TV 472"	VGH	68000	1	68000
89	Sony KLV 40EX430 LED TV	Hostel Common Room	54900	14	768600
90	Colour video Projector with accessories	Audio Visual Office	1652211	1	1652211
91	Networking Equipment	Server Room CC-119 & D type quarter	596400	1	596400
93	Food waste Computing machine F 25Kg per day	VGH	294000	1	294000
95	Wireless sensor	CC & IS Dept A-418	214490	1	214490
96	Heraeus Multifuge X3FR Centrifuge	Biology Lab	775406	1	775406
97	Shimadzu Atomic Absorption Spectrophotometer	Biology Lab	1029487	1	1029487
98	Jasco polarimeter model P 2000	Chemistry Lab C 207	1265270	1	1265270
99	Arium 61316 RO System	Chemistry Lab C 110	286250	1	286250
100	Elemental analyser model vario micro cube	Chemistry Lab	1826025	1	1826025
101	Rutherford experiment with multi channel analyzer	Physics Lab MT 1 B 113	532766	1	532766
102	6.5 digit multimeter 220V	Physics Lab B 108	123345	1	123345
103	MS Corroison coupons, etc	Chemical Engg Pet Lab	209306	1	209306
104	Vacuum dessicator tarson make	Chemical Engg A 106	115290	1	115290
105	Zed board zynq TM 7000 development board	EEE Lab A 205	35079	8	280630
106	Xilinx Zynq 7000 All programmable kit	EEE Lab A 205	109720	1	109720
107	Oscilloscope, Power measurement bundle, etc	EEE Lab A 204	4178641	1	4178641
108	3 phase diode rectifier + 3phase 4 leg IGBT inverter stack	EEE Lab A 204	404880	1	404880
109	Scientech lab equipment	EEE Lab A 203	320649	1	320649
110	Scientech 2700 HV power with accessories	EEE Lab A 204	948060	1	948060
111	LED lights 30 watts	Street light poles	6412	33	211612
112	Solar panel, LED lights with battery	Lawn area inside hostels	34146	14	478039
113	Sound level meter FFT analysis	Mechanical Engg Dept	179025	1	179025
114	Digital brookfield visco meter with CP system	Mechanical Engg Dept Heat Transfer lab	528404	1	528404
115	Abaqus software	CC and Mechnaical Engg Lab	465000	1	465000
116	QNX software development platform V 6.5, licence 09	CC system lab CC 219	949500	1	949500
117	Powerworld software	EEE lab	571466	1	571466
118	Wind river workbench 3.3 tools for VX works 6.9	CC lab CC 219	1556125	1	1556125
119	Microsoft licence	CC lab	3394770	1	3394770
120	Star CCM + academic training package	Mechanical Engg Lab	313295	1	313295
121	Software Com network course	Computer Science A 418	496282	1	496282
122	Mentor graphics HEP 1 and HEP 2	EEE lab CC 123	527500	1	527500
123	Synopsys EDA tool	EEE Microelectronics lab CC 123	1010625	1	1010625
124	Air Coold Blower 63with	STP	212758	1	212758

Sr no.	Asset Description	Location	Rate	Qty	Amount
	accessories				
125	Maruti Eeco Ambulance with AC	Medical Centre	393395	1	393395
127	Nitrogen Plant	Physic lab			4214094
128	Transformer 11 KVA	PCC_4 to 33KV substation			1212407
129	Electric generating 35 KVA DG set	Medical Centre			736342
130	RTCC Panel for 3000KVA tranflorer	3000KVA Transformer			90000
		Total Equipment			67360573

B2.15 STUDENTS ACTIVITIES, ACHIEVEMENTS, SCHOLARSHIPS, CULTURAL AND ACADEMIC FESTIVAL

SAC promotes student activities, games and sports like Cricket, Football, Tennis, Squash, Volleyball, Basketball, Badminton, Chess, Carom, Pool and Table Tennis. SAC also promotes extra-curricular activities for students, faculty and their dependents in the campus. Daily training in football and cricket is conducted for the institute team.

The cricket and football ground out field has been re-laid and been developed to higher standard. Up gradation of gymnasium has been done by installing latest machines and other equipments. The gymnasium functions strictly under the guidance of a trainer for safety measures.

New Squash court has been constructed and up-gradation work of Badminton court is going on.

SPREE 2014

- The Institute's Cricket team won the finals; Badminton and Chess team was runner ups in SPREE 2014.
- The football team won the GFA All Goa 3rd Division League and got promoted to 2nd division. The team was also runner up in SPREE 2014
- BITS, Pilani - K. K. Birla Goa Campus were overall runner-up in SPREE 2014 national sports festival.

OPEN TOURNAMENT

- The Basketball team was runner-up in the All Goa Inter Collegiate Basketball Open Tournament organized by Don Bosco Oratory Panjim, in October 2014. The Tennis team won the Open Championship at Panjim, organized by Gasper Dias.
- One of our students Master Ramdas won the U-19 All Goa Badminton Tournament organized by Margao Club, and Hargun Oberoi won Cross Country championships.

STATE REPRESENTATION

- Shiv Sharma represented Goa U-22 State Cricket team in South Zone P. Ramchandra Rao Trophy 2014.
- SAC also celebrated National Sports Day; Chief Guest for the function was Shadab Jakati (IPL Player – RCB & CSK).
- Run for unity marathon was conducted on the occasion of Sardar Vallabai Patel Birthday as a mark of respect to him as he was the symbol of unity and peace.
- SAC had also organized inter department BITS Community Cricket tournament for the student and staff.
- As per the MOU signed between the Institute and GCA, interstate and BCCI matches like Ranji Trophy, Col.C.K.Nayudu, Cooch-Behar, Vijay Hazare and Vijay merchant Trophy are conducted at the cricket ground. Also, regular training sessions of the Salgaocar I league champion team are conducted at our football ground.

SAC Functions daily as per the institute timing, Morning 5.30am to 8.30am and Evening: 5.30pm to 9.30pm.

Award of Scholarship to Students

INSTITUTE'S MERIT & MCN SCHOLARSHIP	501	33951227
STUDENT AID FUND	7	159300
BHUSHAN BHATIA	2	40000
OTHER SCHOLARSHIP	6	534197
TOTAL :	516	34684724

Note : Students are also in receipt of scholarship like INSPIRE, KVPY and NTS.

LIST OF ANNEXURE

	Page No.
1. Annexure B2-1 - SENIOR OFFICERS OF THE INSTITUTE	B2: A1 - 2
2. Annexure B2-2 - DETAILS OF ADMISSIONS MADE DURING THE YEAR 2013	B2: A3 - 4
3. Annexure B2-3 - DUAL DEGREES AND TRANSFERS	B2: A5 - 7
4. Annexure B2-4 - REGISTRATION OF STUDENTS	B2: A8 - 10
5. Annexure B2-5 - AWARD OF DEGREES AND MEDALS	B2: A11 - 12
6. Annexure B2-6 - DEGREES TO BE APPROVED	B2: A13
7. Annexure B2-7 - CAMPUS INTERVIEWS AND PLACEMENT	B2: A14 – 17
8. LIST OF FIRST DEGREE THESIS COMPLETED DURING THE YEAR 2014	B2: A18 – 22
9. LIST OF PROJECTS COMPLETED IN DUBAI CAMPUS UNDER HIGHER DEGREE DISSERTATIONS DURING THE YEAR 2014	B2: A23 – 24

*Annexure 'B2-1'
(2 Pages)
Ref. AR 2014, Page No.B2-1*

NAME AND DESIGNATION OF SENIOR OFFICE BEARERS OF GOA CAMPUS

S.No.	GPSRN	Name	Department/ Facility	Activity	Designation
1	302	K. E. Raman	EEE/Acting Director	Acting Director	Sr. Professor
2	3	Aditya P. Koley	Chemistry/Instruction Division	Associate Dean	Professor
3	7	M. K. Deshmukh	EEE & E & I	HOD	Professor
4	95	Sunil Bhand	Chemistry/Sponsored Research and Consulting Division	Dean	Professor
5	367	Meenakshi Raman	Humanities & Social Sciences	HOD	Professor
6	6	D. M. Kulkarni	Mechanical Engineering/General Administration/Faculty Affairs	Dean/Associate Dean	Associate Professor
7	10	Neena Goveas	Computer Science & Information System/ Academic Registration & Counseling Division	Associate Dean	Associate Professor
8	33	Meenal Kowshik	Biological Sciences	HOD	Associate Professor
9	68	Srinivas Krishnaswamy	Chemical Engineering	HOD	Associate Professor
10	77	Prassanna Kumar	Mathematics	HOD	Associate Professor
11	78	Bharat M. Deshpande	Computer Science & Information System	HOD	Associate Professor
12	80	Srikanth M.	Biological Sciences/International Programmes and Collaborations	Associate Dean	Associate Professor
13	83	J. V. Rao	Computer Science & Information System / CAHU	FIC	Associate Professor
14	89	Gaurav Dar	Physics	HOD	Associate Professor
15	104	Raghunath A. Ratabole	Physics/ Work Integrated Learning Programme.	Associate Dean	Associate Professor
16	108	Pravin M Singru	Mechanical Engineering /Practice School	Associate Dean	Associate Professor
17	122	Ranjan Dey	Chemistry/Academic Resource Planning	Associate Dean	Associate Professor
18	185	Sampatrao Dagu Manjare	Chemical Engineering/ Admissions	Associate Dean	Associate Professor
19	328	Mridula Goel	Economics/ Enterpruners Cell	FIC	Associate Professor
20	16	Raghu Nath Behera	Chemistry	HOD	Assistant Professor
21	52	Judith Maria Braganca	Biological Sciences / Media & Publicity	FIC	Assistant Professor
22	62	Radhika Vathsan	Physics/Community Welfare	FIC	Assistant Professor
23	69	Lucy Gudino	Computer Science & Information System / Student Welfare Division	Associate Dean	Assistant Professor
24	71	Debasis Patnaik	Economics	HOD	Assistant Professor

S.No.	GPSRN	Name	Department/ Facility	Activity	Designation
25	82	Veeky Baths	Biological Sciences/ Alumini Affairs	FIC	Assistant Professor
26	107	A . Amalin Pirnce	EEE & E & I/ Placement	FIC	Assistant Professor
27	180	Shibu Clement	Mechanical Engineering / Workshop	HOD/Ex-Officio	Assistant Professor
28	237	Prasanta Kumar Das	Physics/Academic Research Division	Associate Dean	Assistant Professor
29	333	Ramesha C.K	EEE & E & I/Student Welfare Division	Chief Warden	Assistant Professor
30	371	K.R.Biju	Computer Science/Computer Centre	FIC	Assistant Professor
31	9	Anand K. Patil	Purchase & Stores & Estate	IC	Estate Manager
32	50	Anuradha Voolapalli	Library	IC	Assistant Librarian
33	230	Raghavendra K.M.	Medical Centre	IC	Chief Medical Officer
34	505	Nikhil Dixit	Public Relations	IC	Public Relation Officer
35	522	Debasis Gupta	General Administration	IC	Deputy Registrar
36	612	S Baskar	Finance	IC	Head Accounts

NAME OF WARDENS OF GOA CAMPUS

S.No.	GPSRN	Name	Hostel	Activity
1	333	Ramesha C.K	CH3	Chief Warden Cum Warden
2	64	Anita B Agarwal	CH5	Warden
3	107	Amalin A Prince	AH1	Warden
4	114	Sanjay K Sahay	CH6	Warden
5	122	Ranjan Dey	AH2	Warden
6	211	P. Bhavana	CH4	Warden
7	318	Halan Prakash	AH5	Warden
8	362	Chandradew Sharma	AH4	Warden
9	363	Mainak Banerjee	AH3	Warden
10	414	Angshuman Sarkar	CH1	Warden
11	416	Jajati Keshari Sahu	CH2	Warden
12	482	Ranjit S Patil	AH6	Warden
13	556	Arnab Banerjee	AH8	Warden
14	565	Ravi Prasad Aduri	AH7	Warden

DETAILS OF ADMISSIONS MADE DURING THE YEAR 2014**(a) Second Semester 2013-14****Doctoral Programmes:**

Ph.D.	24(06)
	<u>24(06)</u>

(b) First Semester 2014-2015**1. Integrated First Degree Programmes**

	No. of students joined	BITSAT Cut-off scores	
		Highest	Lowest
Group A			
B.E. (Hons.)			
Chemical	52(06)		
Computer Science	94(12)		
Electrical & Electronics	99(12)		
Electronics & Instrumentation	64(06)		
Mechanical	74(04)		
	<u>383(40)</u>		
Group B			
M.Sc. (Hons.)			
Biological Sciences	32(05)		
Chemistry	35(04)		
Economics	57(07)		
Mathematics	56(09)		
Physics	54(06)		
	<u>234(31)</u>		
Group C			
M.Sc.(Tech.)			
Information Systems			
Total :	<u>630(71)</u>		

2. Higher Degree Programmes :

M.E.	
Biotechnology	07(04)
Chemical Engineering	06(02)
Design Engineering	00(00)
Microelectronics	07(01)
Embedded Systems	05(01)
Software Systems	00(00)
Computer Science	08(02)
Total	<u>33(10)</u>

3. Doctoral Programmes :

Ph.D. – Full Time	05(02)
Ph.D. – Part Time	09(03)

SUMMARY

	II Semester 2013-2014	I Semester 2014-2015
On-Campus Programmes	-	
Integrated First Degree Programmes	-	630(71)
Higher Degree Programmes	-	33(10)
Total	-	663(81)
Doctoral Programmes		
Ph.D. Full Time	15(04)	05(02)
Ph.D. Part Time	09(02)	09(03)
GRAND TOTAL	24(06)	677(86)

**STATEMENT SHOWING THE NUMBER OF CANDIDATES WHO HAVE BEEN PERMITTED IN
THE ACADEMIC YEAR 2012-2013 TO PURSUE VARIOUS DUAL DEGREE PROGRAMMES
UNDER VARIOUS PRIORITIES**

(i) Pilani Campus:

FIRST PRIORITY

(From Group 'B' to Group 'A' Programmes)

Programmes* From ↓ To →	A1	A2	A3	A4	A5	A7	A8	AB	Total
B1	7	10	6	5	3	5	1	5	42
B2	4	3	6	9	1	6	6	2	37
B3	6	4	5	7	1	7	6	4	40
B4	4	4	8	6	1	12	5	2	42
B5	3	3	12	5	5	6	6	1	41
Total	24	24	37	32	11	36	24	14	202

OTHER PRIORITIES

Programmes* From ↓ To →	A2	A7	AB	B1	B4	C6	C7	Total
A3		1		1	1			3
A5			2				2	4
A7				1				1
B3							3	3
B4							2	2
B5					1	2	3	6
C6	1	1						2
D2							1	1
Total	2	2	2	2	2	2	11	22

(ii) K.K. Birla Goa Campus:

FIRST PRIORITY (Dual Degree)

(From Group 'B' to Group 'A' Programmes) & A to B Programmes)

Programmes*		A1	A3	A4	A7	A8	B1	B2	B3	B4	B5	Total
From	To											
B1		8	7	3	5	6						29
B2		8	6	5	3	11						33
B3		7	10	10	16	3						46
B4		4	8	6	12	14						44
B5		1	9	14	6	5						35
A3					1			1			2	4
A4											2	2
A7												0
Total		28	40	38	43	39	0	1	0	0	4	193

OTHER PRIORITIES (Transfer)

Programmes*		A1	A3	A4	A7	A8	B1	B2	B3	B4	B5	Total
From	To											
A1												0
A3					2							2
A4			2									2
A7												0
A8												0
B1											1	1
B2										2	1	3
B3												0
B4					1				1			2
B5			1		2							3
Total		0	3	0	5	0	0	0	1	2	2	13

(iii) Hyderabad Campus:

FIRST PRIORITY

(From Group 'B' to Group 'A' Programmes)

Programmes*		A1	A2	A3	A4	A5	A7	AA	Total
From	To								
B1		3	2	3	1	2	3	5	19
B2		3	1	6	6	2	4	5	27
B3		4	3	8	4	1	8	11	39
B4		2	6	8	7	3	12	4	42
B5		5	6	5	9	0	1	6	32
Total		17	18	30	27	8	28	31	159

OTHER PRIORITIES

Programmes* From ↓ To →	A2	B2	B5	Total
A5	1	1	1	3
A3			1	1
Total	1	1	2	4

(iv) Dubai Campus:**OTHER PRIORITIES**

Programmes* From ↓ To →	A7	A8	Total
A1	1		1
AA		1	1
Total	1	1	2

***Legend:**

A1: B.E.(Hons.) Chemical

A2: B.E.(Hons.) Civil

A3: B.E.(Hons.) Electrical & Electronics

A4: B.E.(Hons.) Mechanical

A5: B.Pharm.(Hons.)

A7: B.E.(Hons.) Computer Science

A8: B.E.(Hons.) Electronics and Instrumentation

AA: B.E.(Hons.) Electronics & Communication

AB: B.E.(Hons.) Manufacturing

B1: M.Sc.(Hons.) Bio. Sciences

B2: M.Sc.(Hons.) Chemistry

B3: M.Sc.(Hons.) Economics

B4: M.Sc.(Hons.) Mathematics

B5: M.Sc.(Hons.) Physics

C2: M.Sc.(Tech.) General Studies

C6: M.Sc.(Tech.) Information Systems

C7: M.Sc.(Tech.) Finance

Annexure 'B2-4'
(3 Pages)
Ref. AR 2014, Page No.B2-2

NUMBER OF STUDENTS REGISTERED
Second Semester 2012-2013

Programme	Year of Admission						Total
	2007	2008	2009	2010	2011	2012	
<i>A. Integrated First Degree Programmes</i>							
B.E. (Hons)							
Chemical	0	2(0)	53(13)	57(12)	53(8)	53(13)	218(46)
EEE	1(0)	2(0)	80(11)	79(17)	79(12)	80(11)	321(51)
Mechanical			76(4)	78(6)	79(0)	78(1)	311(11)
Computer Science	2(0)	2(0)	86(16)	81(22)	82(10)	78(14)	331(62)
Electronics & Instrumentation	1(0)	1(0)	74(17)	74(16)	79(14)	78(13)	307(60)
M.Sc. (Hons)							
Biological Science		33(9)	33(11)	38(7)	33(11)	35(13)	172(51)
Chemistry	1(0)	21(03)	25(4)	30(2)	34(6)	33(9)	144(24)
Economics		43(04)	42(13)	43(11)	40(9)	35(8)	203(45)
Mathematics	2(0)	37(09)	34(10)	36(3)	41(10)	35(6)	185(38)
Physics		25(03)	31(6)	32(4)	36(7)	33(3)	157(23)
M.Sc. (Tech)							
Information Systems			50(13)	48(11)	49(13)	44(10)	191(47)
Total	7(0)	166(28)	584(118)	596(111)	605(100)	583(101)	2540(458)

B. Higher Degree Programmes

Programme	Year of Admission				Total
	2009	2010	2011	2012	
M.E.					
Biotechnology			10(5)	12(9)	22(14)
Design Engg.		2(0)	8(0)	10(0)	20(0)
Embedded System		1(0)	12(2)	8(1)	21(3)
Software Systems		2(0)	9(1)	9(2)	20(3)
Chemical Engg.			6(1)	11(4)	17(5)
Microelectronics			10(3)	8(2)	18(5)
Total		5(0)	55(12)	58(18)	118(30)
Grand Total					2658(488)

First Semester 2013-2014

Programme	Year of Admission							Total
	2007	2008	2009	2010	2011	2012	2013	
A. Integrated First Degree Programmes								
B.E.(Hons.)								
Chemical		1(0)	1(1)	57(12)	53(8)	53(13)	66(11)	231(45)
EEE	1(0)		8(0)	79(17)	79(12)	79(11)	84(13)	330(53)
Mechanical				75(6)	79(0)	78(1)	80(2)	312(9)
Computer Science	1(0)	2(0)	7(0)	83(23)	81(10)	82(15)	86(9)	342(57)
Electronics & Ins	1(0)	1(0)	4(0)	74(16)	79(14)	78(13)	84(16)	321(59)
M.Sc. (Hons)								
Biological Science		4(0)	33(11)	38(7)	33(11)	35(13)	31(5)	174(47)
Chemistry		3(0)	25(4)	30(2)	34(6)	32(9)	38(8)	162(29)
Economics		2(0)	43(13)	43(11)	40(9)	34(7)	47(4)	209(44)
Mathematics	1(0)	7(0)	34(10)	36(3)	40(10)	37(6)	44(4)	199(33)
Physics		1(0)	30(5)	32(4)	36(7)	30(3)	37(3)	166(22)
M.Sc. (Tech)								
Information Systems			2(0)	47(11)	49(13)	44(10)		142(34)
Total	4(0)	21(0)	187(44)	594(112)	603(100)	582(101)	597(75)	2588(432)

B. Higher Degree Programmes

Programme	Year of Admission				Total
	2009	2012	2013		
M.E.					
Biotechnology		11(8)	7(5)		18(13)
Design Engg.	1(0)	10(0)	10(1)		21(1)
Embedded System		8(1)	13(2)		21(3)
Software Systems	1(1)	9(2)	8(1)		18(4)
Chemical Engg.		11(4)	9(5)		20(9)
MicroElectronics		8(2)	10(2)		18(4)
Total	2(1)	57(17)	57(16)		116(34)

C. PhD Programmes

PhD Programmes	Year of Admission								Total
	2005	2007	2008	2009	2010	2011	2012	2013	
Sem 2 12-13	1(0)	4(1)	7(1)	10(4)	26(12)	20(9)	20(9)		88(36)
Sem 1 13-14	1(0)	3(1)	6(1)	9(4)	24(11)	20(10)	17(7)	26(14)	106(48)
Grand Total	2(0)	7(2)	13(2)	19(8)	50(23)	40(19)	37(16)	26(14)	194(84)

Summer Term 2012-2013

Programme	Year of Admission		
	2010	2011	Total
<i>A. Integrated First Degree Programmes</i>			
B.E. (Hons)			
Chemical		52(8)	52(8)
EEE	1(0)	78(12)	79(12)
Mechanical	1(0)	79(0)	80(0)
Computer Science	2(2)	79(9)	81(11)
Electronics & Instrumentation	2(1)	79(14)	81(15)
M.Sc. (Hons)			
Biological Science		33(11)	33(11)
Chemistry		32(6)	32(6)
Economics	1(0)	40(9)	41(9)
Mathematics		39(9)	39(9)
Physics		36(7)	36(7)
M.Sc. (Tech)			
Information Systems	2(1)	50(13)	52(14)
Total	9(4)	597(98)	606(102)

STATEMENT OF DEGREES AWARDED

Degrees	No. of degrees	
	74th Award 24.10.13, 1.3.14, 3.3.14	No. of Degrees 75th Award 6.7.14
(i) Integrated First Degree		
B.E.(Hons.)		
Chemical	1(0)	5(1)
Chemical (with Practice School)	7(1)	75(17)
Electrical and Electronics		12(2)
Electrical and Electronics (with Practice School)	3(0)	96(26)
Mechanical	3(0)	19(1)
Mechanical (with Practice School)	6(0)	90(7)
Computer Science	2(0)	11(4)
Computer Science (with Practice School)	5(0)	105(33)
Electronics and Instrumentation		14(2)
Electronics and Instrumentation (with Practice School)	5(1)	95(22)
M.Sc.(Hons.)		
Biological Sciences	1(0)	15(4)
Biological Sciences (with Practice School)		20(7)
Chemistry		8(0)
Chemistry (with Practice School)	2(0)	17(4)
Economics		7(1)
Economics (with Practice School)	1(0)	36(13)
Mathematics	4(0)	9(1)
Mathematics (with Practice School)	1(0)	28(9)
Physics		18(3)
Physics (with Practice School)		12(2)
M.Sc.(Tech.)		
Information Systems	3(0)	5(1)
Information Systems (with Practice School)	1(0)	38(9)
Sub Total	45(2)	735(169)
(ii) Higher Degree		
M.E.		
Chemical Engineering		10(3)
Software Systems		3(1)
Microelectronics		2(0)
Biotechnology	1(1)	8(7)
Embedded Systems		2(1)
Design Engineering		7(0)
Chemical Engineering(with Practice School)		

Degrees	No. of degrees	No. of Degrees
	74th Award 24.10.13, 1.3.14, 3.3.14	75th Award 6.7.14
Software Systems (with Practice School)		6(1)
Microelectronics(with Practice School)		6(2)
Biotechnology (with Practice School)		3(1)
Embedded Systems (with Practice School)		6(0)
Design Engineering (with Practice School)		3(0)
	<i>Sub Total</i>	
	1(1)	56(16)
PHD	8(1)	3(2)
	Total	
	54(4)	794(187)

SUMMARY

Award	74 th Award	75 th Award	Total
Integrated First Degree	45(2)	735(169)	780(171)
Higher Degree	1(1)	56(16)	57(17)
PHD	8(1)	3(2)	11(3)
Total	54(4)	794(187)	848(191)

Note: The numbers in brackets indicate number of female students.

**76th AWARD OF DEGREES TO BE APPROVED BY THE 65th MEETING OF
THE BOARD OF GOVERNORS**

(No. in brackets indicates no. of female students)

Programme	Dist	I	II	Total
B.E.(Hons.)(Chemical)(with Practice School)	0	0	1	1(0)
B.E.(Hons.)(Chemical)	0	0	0	0(0)
B.E.(Hons.)(Electrical and Electronics)(with Practice School)	0	2	0	2(0)
B.E.(Hons.)(Electrical and Electronics)	0	1	0	1(0)
B.E.(Hons.)(Mechanical)(with Practice School)	0	0	0	0(0)
B.E.(Hons.)(Mechanical)	0	0	0	0(0)
B.E.(Hons.)(Computer Science)(with Practice School)	0	2	0	2(0)
B.E.(Hons.)(Computer Science)	0	1	2	3(0)
B.E.(Hons.)(Electronics and Instrumentation)(with Practice School)	0	0	3	3(0)
B.E.(Hons.)(Electronics and Instrumentation)	0	0	0	0(0)
M.Sc.(Tech.)(Information Systems)(with Practice School)	0	1	1	2(1)
M.Sc.(Hons.)(Physics)(with Practice School)	0	0	1	1(0)
M.Sc.(Hons.)(Biological Sciences)(with Practice School)	0	0	1	1(0)
M.Sc.(Hons.)(Chemistry)	0	0	1	1(0)
M.Sc.(Hons.)(Economics)(with Practice School)	0	1	1	2(0)
M.Sc.(Hons.) (Mathematics) (With Practice School)	0	0	0	0(0)
M.Sc.(Hons.) (Mathematics)	0	0	1	1(0)
Sub - Total	0	8	12	20(1)
M.E.(Biotechnology)				0(0)
Sub - Total				0(0)
Ph.D.				3(1)
TOTAL				23(2)

Note: Numbers in brackets indicate total females

LIST OF THE ORGANISATION WHICH CONDUCTED CAMPUS INTERVIEWS**LIST OF THE COMPANIES VISITED SEMESTER II, 2013-14**

S.No	COMPANY NAME	NUMBER OF STUDENTS		SECTOR
		Interviewed	SELECTED	
1	EPIC SYSTEMS	93	10	IT
2	AMAZON	93	7	IT
3	GROUPON	93	3	IT
4	ARISTA NETWORKS	93	2	IT
5	MORGAN STANLEY	93	8	IT
6	DIRECT I	93	3	IT
7	CISCO	93	11	IT
8	ZS Associates	318	46	CO
9	SEARCE	93	3	IT
10	VIRTUSA	93	19	IT
11	MU SIGMA	318	17	CO
12	CUBITO	93	1	IT
13	RELIANCE	51	4	CH
14	INFOSYS	93	49	IT
15	L & T	59	11	MF
16	HONDA TWO WHEELERS	59	3	MF
17	DOW CHEMICAL	51	3	CH
18	ALFALAVAL	51	2	CH
19	THOROGOOD	318	4	CO
20	HINDALCO	51	0	CH
21	HOUSING.COM	93	5	IT
22	IMMENSA SEMICONDUCTORS	59	1	ET
23	SYNOPSISYS	59	0	ET
24	FMC	59	2	MF
25	INTUIT	93	5	IT
26	GLOBAL ANALYTICS	93	2	IT
27	SULZER	51	2	CH
28	VIZURY	93	3	IT
29	FUTURES FIRST	318	0	CO
30	HIKE	93	1	IT
31	LEXINNOVA	318	5	CO
32	CAPILLARY TECHNOLOGIES	93	1	IT
33	EMC	93	4	IT
34	CA TECHNOLOGY	93	5	IT
35	GOLDMAN SACHS	318	2	CO
36	KNOLSKAPE	93	3	IT
37	JP MORGAN IB	318	4	BF

S.No	COMPANY NAME	NUMBER OF STUDENTS		SECTOR
		Interviewed	SELECTED	
38	FIAT	59	2	MF
39	KPMG(FORENSICS)	318	6	CO
40	SAP	93	4	IT
41	DELOITTE	318	7	CO
42	WELLS FARGO	318	10	CO
43	FREESCALE	152	0	IT/ET
44	SHIMPLY(SOCIALAPPS HQ)	93	1	IT
45	JP MORGAN CHASE	318	1	CO
46	BIT MAPPER(MECH PROFILE)	59	3	MF
47	EXPICIENT	318	8	IT/CO
48	KONY	93	2	IT
49	LATENTVIEW ANALYTICS	318	4	CO
50	UTC	59	1	ET
51	CHRYSLER	59	3	MF
52	HOSPIRA	59	5	MF
53	REFLEXIS	93	4	IT
54	ELGI	51	0	CH
55	ZUARI INDUSTRIES	51	1	CH
56	Nagarjuna Oil and Gas / Fertilizers	51	2	CH
57	Ideal 21st Century	93	14	IT
58	WEBFLUENZ	93	1	IT
59	Systango	93	1	IT
60	CONCEPT2SILICON	59	1	ET
61	DURALINE	59	1	MF
62	HISTOGENETICS	93	5	IT
63	Misys	93	0	IT
64	Bresmed	93	0	IT
65	Bisquare	118	0	ET/MF
66	JSW STEEL	59	6	MF
67	NetSkope Software India Pvt. Ltd. Bangalore	93	1	IT

Summary**Total No. of Companies: 67****Total No. of Students Interviewed: 318****Total No. Appointments offered including multiple offers: 345****Legend:**

IT: Information Technology, CH: Chemical, MF: Manufacturing, CO: Consulting, ET: Electronics, BF: Banking Finance, EL: Electrical.

IT- Compulsory for Computer Science / Information System and Optional for Electricals and Electronics / Electronics & Instrumentation, CH- Chemical, MF - Mechanical, CO - open for all, ET - Electrical and Electronics / Electronics & Instrumentation.

LIST OF THE COMPANIES VISITED SEMESER I, 2014-15

S.No.	COMPANY NAME	NUMBER OF STUDENTS		SECTOR
		INTERVIEWED	SELECTED	
1	MICROSOFT IT (PPO)		4	IT
2	ARISTA NETWORKS	24	7	IT
3	EBAY	140	5	IT
4	EPIC SYSTEMS	47	3	IT
5	AMAZON	218	5	IT
6	DIRECT I	59	0	IT
7	CAPITAL ONE	127	1	CO
8	WALMART LABS	36	2	IT
9	DE SHAW	43	2	IT
10	FLIPKART	45	1	IT
11	ORACLE INDIA	79	10	IT
12	GOOGLE	59	2	IT
13	MORGAN STANLEY	130	6	IT
14	HIKE	215	1	IT
15	PAY U	120	3	IT
16	INFORMATICA BUSINESS SOLUTIONS	95	1	IT
17	SEARCE CO SOURCING PVT LTD	120	1	IT
18	MATHWORKS	22	2	IT
19	ZS ASSOCIATES	159	14	ME
20	MARVEL SEMICONDUCTORS	9	2	CO
21	SABRE TRAVEL TECHNOLOGIES PVT LTD	141	5	ME
22	SAP LABS	178	1	IT
23	GRAM POWER	61	1	IT
24	HOURGLASS	33	3	ET
25	NAGARRO SOFTWARE	178	4	OT
26	SHELL	67	1	IT
27	FMC TECHNOLOGIES INDIA PVT LTD	31	2	MF/CH
28	L&T CONSTRUCTIONS	58	6	MF
29	SKF INDIA LTD	32	2	MF
30	CA TECHNOLOGIES	208	2	MF
31	LATENT VIEW TECHNOLOGIES	218	13	IT
32	KHOSLA LABS	218	0	CO
33	KPMG	127	3	IT
34	MU-SIGMA	218	15	CO
35	BARCLAYS TECHNOLOGY CENTER	96	8	CO
36	TATA TECHNOLOGIES	34	7	IT
37	TESCO HSC	115	5	MF
38	CHALK STUDIOS	112	1	IT

S.No.	COMPANY NAME	NUMBER OF STUDENTS		SECTOR
		INTERVIEWED	SELECTED	
39	MICHELIN TYRES	24	0	IT
40	MEDIA OCEAN	123	2	MF
41	TATA ADVANCED SYSTEMS	34	2	IT
42	HARMAN	122	7	MF
43	HONEYWELL	29	3	IT
44	TATA MOTORS	80	2	CH
45	IFB AUTOMOTIVE,BANGALORE	11	2	MF
46	INFOSYS	141	16	MF
47	SMARTRAK SOLAR SYSTEMS	23	2	IT
48	RAMCO	150	6	ET / MF
49	GREY ORANGE ROBOTICS	98	0	MF / ET
50	DERRICK PETROLEUM	54	0	MF /CH
51	CODE NATION	95	0	IT
52	LEXINNOVA	3	0	ALL
53	THOROGOOD ASSOCIATES	161	0	ALL
54	TEXAS INSTRUMENTS	55	2	EL/ET
55	FUNTOOT	55	1	IT

Summary

Total No. of Companies:	55
Total No. of Students Interviewed:	237
Total No. Appointments offered:	196

Legend:

IT: Information Technology, CH: Chemical, MF: Manufacturing, CO: Consulting, ET: Electronics, BF: Banking Finance, EL: Electrical.

IT- Compulsory for Computer Science / Information System and Optional for Electricals and Electronics / Electronics & Instrumentation, CH- Chemical, MF - Mechanical, CO - All Specialization, ET - Electrical and Electronics / Electronics & Instrumentation.

LIST OF FIRST DEGREE THESIS COMPLETED DURING THE YEAR 2014**K K Birla Goa Campus****Second Semester 2013-14**

SI No	Name	Topic	supervisor
1.	Prakhar Kumar Verma	Identification of significant IMF generated by Mirnov coil	Dr. A. Amalin Prince
2.	Atul Agarwal	Design of a framework to obtain optimal and sub optimal solutions of a assembly line with multiple robot problem with constraints	Dr. Neena Goveas
3.	Ishaan Bansal	Query disambiguation and classification	Mr. R. K.Roul
4.	Kousik Papakollu	ON-OFF controller design of shock absorbers	Dr. Pravin M Singru
5.	M. Nikhil Khicha	Fluid dynamics of sound generation in the vocal folds	Dr.Rajaram Lakkaraju
6.	Dishin Shrimankar	Optimization of shipping vessels and shipping ports	Dr. R. P.Pradhan
7.	Ashish Nanda	Web search and applications personalization using User profile	Dr.Bharat Deshpande
8.	Sameer Shaikh	Comparative study of situation of missing person in Delhi and Goa and the implications of the ITPA Act	Dr. Pushkar
9.	Souvik Dutta	Development and simulation of protocol stack for UASN	Mr.Sarang C.Dhongdi
10.	Pradhan kedar Nobinkumar	Consumer behaviour and marketing with special reference to new marketing and impulse buying for FMGC product families	Dr.Ch.V.V.S.N.V Prasad
11.	Ajinkya Shirsh Kulkarni	numerical solution of boundary value problems in electromagnetic theory	Prof. Arun V.Kulkarni
12.	K Nishanth Paul	CFD analysis of jet mining enhancement using passive control	Dr.Shibu Clement
13.	Singareddy soma Sekhara Reddy	Design and modelling of unit process involved in biological organisms and molecules	Dr. Sampatrao Dagu Manjare
14.	Pratyush Singh	Developing algorithm to analyse cross cultural acceptance index	Dr. Basavadatta Mitra
15.	C.K Vijay Kiran	Competency in the shipping industry in the asiatic region	Dr.R.P.Pradhan
16.	Neha Yegnamurthy	Workplace sexual harassment issues: with special reference to women who work in higher degree institutes in Goa	Dr. Reena Cherwalath
17.	Kaushal Ajay Sapre	The Indianness in contemporary Indian art: A semiotic study	Dr. K.A. Geetha
18.	Suresh Malateesh Kashikar	Supply chain management of biotech cooperatives	Dr. Debasis Patnaik
19.	Sribhashyam Saisriram	Emergence of analytics in electoral politics	Prof. Mridula Goel
20.	Jyothsna k Unnikrishnan	Modelling and simulation of fracture by crack tip opening displacement model and cohesive zone modelling	Dr.Vikas V Chaudhari
21.	Bonagiri Sriman	Study on mental health of engineering students	Dr.Reena Cherwalath
22.	Kuchalakanthi Sharath Chandra	Advanced FE analysis of aircraft wing	Dr. D. M. Kulkarni
23.	Saransh Sinha	Study of algorithms used for human motion tracking with possible applications to physiotherapy	Dr. Neena Goveas
24.	Rishabh Saxena	study of motion tracking algorithms and its use in physiotherapy	Dr.Neena Goveas
25.	Habbu shreyas Gururaj	modal analysis of partially filled rectangular tanks with flexible walls	Dr.P.M.Singru
26.	Shruti Garg	Real estate sector: challenges and prospects	Prof. Mridula Goel
27.	Akshay Verenkar	Implications of the dark matter in the universe	Dr.T.K. jha
28.	Saurabh Suman	Algorithm finance eye frequency trading	Dr.Debashish Patnaik
29.	Nilabh Sinha	poetry from the indian north east from periphery to the centrestage	Amitendu Bhattacharya

SI No	Name	Topic	supervisor
30.	Dasika Gayathry	study of cardise risk evaluation in goa, india	Dr.Veeky Baths
31.	Srikanth Bezawada	Recommendal systems, application of pagerank and other useful algorithm into bioinformatics	Dr.Bharat Deshpande
32.	Nachiket Kataria	Tapering of quantitative easing and its impact on India	Prof. Mridula Goel
33.	Kurcheti neha kiran	Sexual harassment issues of women who work in higher educational institutes	Dr. Reena cherwalath
34.	Apoorv Bhardwat	Religion, identity and national integration of India	Dr. Madhvi Gupta
35.	V.Haripriya	Eco criticism on cinema	Dr.Rayson .K.Alex
36.	Gouni Pruthvi	development of a model for diffusion of defects in semiconducting oxides during resistance switching	Dr.K P Jayadevan
37.	Ankit Jain	investigation on catalytic properties of mesoporous catalyst	Dr.N N Ghosh
38.	Sidharth Mehta	economics of ship building industry	Dr.R P Pradhan
39.	Vemuri Lakshmi Narmsimha Vihari	advancements in algebraic geometry	Dr.Prasanna Kumar
40.	Deepak Raj M	corporate valuataion of merger and acquisition	Prof.Mridula Goel
41.	Rachit Kulshreshtha	study of radio emissions from jupiter	Dr.T K Jha
42.	Shashwat Kumar	development of a Kinect sensor based software for use in human motion matching	Dr.Neena Goveas
43.	P Santosh Kumar	CFD investigation of blood flow in arteries	Dr.Thrushar Gohil
44.	Devendra Didwaniya	Applications Of PCA In Distributed Data Mining	Dr. SK Shah
45.	Swapnil Saurav	Growth Of Startups In India And Its Impact On Indian Economy	Dr.Debasis Patnaik
46.	Sagar Bose	Unified Navigation Environment Using Artificial Intelligence	Dr. Shibu Clement
47.	Rohan Verma	Unified Navigation Environment Using Artificial Intelligence	Dr. Shibu Clement
48.	Pritam Kumar Singh	Impementation Of Dynamic Programming Bin Packing Problem	Mrs. Shubhangi K. Gawali
49.	Sankalp Kulshrestha	Development Of Modules For Study Of Multidimensional Networks Using Jephi And Neo4j Platform	Dr. Neena Goveas
50.	Harshavardhan Pandit	Ultrasound "To Go"	Andreas Tretter
51.	Radhika Gaonkar	Personalized Tourist Guides	Dr. Ulf Brefeld
52.	Chintak Sheth	Image And Video Analysis	Dr.Venkatesh Babu
53.	Arnav Goel	Hardware Acceleration Of Real Time Facial Recognition Systems	Prof. S.K Nandy
54.	Sourav Banerjee	Climate Change Technology	Dr.Joyashree Roy
55.	Jay Rambhia	Real Time Mobile Stereo Algorithms And Implemenation	Dr.Kshihj Marwah
56.	Shiva Chandra	Research With The Overall Process Of Formulation Of Economic Policies Of The Government	Dr.Rajesh Khullar
57.	Neil Rajesh Dhruva	Natural Language Processing	Prof.Iryna Gurevych
58.	Pradyumn Agarwal	Variations In The Non Linear Composite Mechanics Of Coronary Vessels With External Pressure	Prof.Namrata Gundiah
59.	Akshay Agarwal	Optimizing The Current Technology To Separate Non-Ferrous Metallic Scrap From Non Metallic Scrap	Mr.Ronak Shah
60.	Malavika G	Accuwa (Adaptation To Climate Change In Urbanizing Watershed)	Dr.Priyanka Jamwal
61.	Shyani Milind Arjanbhai	String Theory	Prof.Ashoke Sen
62.	Sahil Kashyap	Network Science: Achieving Financial Stability	Christina Sowell
63.	Phanindra Rao	Optimization And Operations Management	Dr.Gajendra Kumar Adil
64.	Tarun Khanna	Nucleation In Charged Colloidal Suspensions	Dr.Axel Arnold
65.	Vibhor Atreya	Eco Friendly Cutting Fluids	Prof.Satish Vasu Kailas
66.	Siddharth Agarwal	Development Of New Kind Of Eye Test In Pre-Verbal Children Involving Eye Tracking Technology	Dr.Shrikant Bharadwaj
67.	Ratan Parkhe Krishna Kant	Predicting Crack Propogation Using The Variational Asymptotic Method	Prof.Dineshkumar Harursampath
68.	Gauri Mangalgiri	Mems Technology For Mm-Wave Devices	Dr.Ing.Steffen Kukth
69.	K Surya Kiran	Gravity In 3 Dimension And Chern Simons Gauge Theory	Dr.Chetan Krishnan
70.	Rohit Shankar	Characterising A Hollow Fibre Membrane Module Heat	Dr.Vivek V Ranade

SI No	Name	Topic	supervisor
		Exchanger	
71.	Nisheeta Desai	$\sqrt{3} \times \sqrt{3}$ Lattice And Its Two Step Melting In Singular Lattice Symbol	Dr. Kedar Damle
72.	Ronak Gupta	Numerical Simulations Of Jets In Stratified Fluids	Dr.Rajaram Lakkaraju
73.	Himanshu Gangal	Optimum Feedback Control In Hand Eye Coordination	Prof. Gourav Das
74.	Pawar Aishwarya Rativ	Development Of Algorithm For Incompressible Flows	Dr. N.R.Balakrishnan
75.	Ankita De	Implementation Of Cilk Programs On Gpu Interface	Dr. Bharat Deshpande
76.	Thomas Abu C	Study Of Projective Varieties Focussing Largely On Grasmannians And Manifolds	Dr.Prasanna Kumar
77.	Bapat Shounak Vinayak	Callibration Of Thermocouples For Pool Boiling Experiments	Dr.Shibu Clemen
78.	Deepak Rishi	Characterization Of Radiating Acoustic Sources Using Scaled Model Experimental Set Ups	Dr.Amalin Prince
79.	Chintan Zalani	Emerging Social Media Opportunities For Businesses	Prof.Mridula Goel
80.	Abhijeet Mehrotra	Seam Carving For Content-Aware Image Resizing	Mr.Tsrk Prasad
81.	Kolhe Subodh Bhanudar	To Prepare A Report On Indian Startups: Causes Of Success And Failure	Dr.Mridula Goel
82.	Akshay Satish Kulkarni	Investigating The Super Capacitive Properties Of Metal Oxides And Conducting Polymers	Dr.E.S.Kannan
83.	Sheweta Khanduja	Anomoly Detection Framework	Dr. Bharat M Deshpande
84.	Francis James	Reactionless Manipulation Of A Satellite Mounted Robot	Dr. Ranjit S Patil
85.	Sushant Kumar	Local Thermo-Hydrodynamics Of Pulsating Single Phase And Dry Liquid Plugs	Dr.Shibu Clement

First semester 2014-2015

SI No	Name	Topic	Supervisor
1.	D Venkata Abhishek	Consumer Acceptance Of Mobile Payments - A System Dynamics Approach	Dr. Mridula Goel
2.	Sudhanshu Maheshwari	Shift In Trade Potential Values Due To Primary And Secondary Products	Dr. Debasis Patnaik
3.	Kushagra Nigam	Classical And Quatum Mechanics Of Dissipative Systems	Dr. Kinjal Banerjee
4.	Siddhant Malik	Comparing Feasibility Of NAFTA Trade Models In Case Of India-Bangladesh	Dr. R P Pradhan
5.	Merchant Neil Rajiv	Buying Behaviour Of Women In Home Décor Industry: A Case Study	Pinky Pawaskar R
6.	Suprabhat Bhagarathula	Fabrication, Characterization And Investigation Of Electroless Plated Gold Nanostructures For Electrochemical Sensing Applications	Dr.Jegatha Nambi Krishnan
7.	Nishant Mal	Application Of Fuzzy Logic In Financial Markets	Dr.Debasis Patnaik
8.	Abhishek Prabhakar	Post Colonial Marxism And The Economic Flows Of Globalization (The Case Of Ussr)	Dr.K.A Geetha
9.	Shreyash Sill	Gon Based Heterostructures In Opto Electronic Device Applications	Dr. E.S.Kannan
10.	Shidhore Tanmay Chandrashekar	Heat Transfer In Nano-Fluids	Dr.Shibu Clement
11.	Krunal Patel	Property Testing For Modularity In Graphs	Mr. Ramprasad Joshi
12.	Karri Srinivasa Zenith	Causes And Reasons For The High Drop Out Rate In The Goa Region	Dr. Mridula Goel
13.	Laksh Jiva Bhatia	Development And Deployment Of A Permanent Wireless Sensor Network In Testbed In Bits Pilani K.K Birla Goa Campus	Dr. K.R. Anupama
14.	Mauank Joneja	Development And Deployment Of A Permanent Wireless Sensor Network In Testbed In Bits Pilani K.K Birla Goa Campus	Dr. K.R. Anupama
15.	Sumit Sheoran	It Enabled Supply Chain Management In E-Commerce	Dr. Debasis Patnaik
16.	Divya Yadav	Ecg Data Analysis For Cardiac Arrythmia	Dr. Veeky Baths
17.	K. Suneel	Reduction Of Communication Cost In Distributed Data Mining	Dr. S. Sahay
18.	Ankur Dubey	Bidding Strategies In Deregulated Power Market	Dr.K.Chandram
19.	Aditya Nalluri	Clustering Of Web Documents Using Extreme	Mr. Rajendra Kumar

SI No	Name	Topic	Supervisor
		Learning Machine	
20.	G.Ravi Teja	Modelling And Simulation Of High Temperature Fuell Cell	Dr. S.D Manjare
21.	Athma M Ram	Quantitative Information Flow In Programs	Dr. A .Baskar
22.	Sushobhan Parida	Evaluation Of New And Renewable Energy Power Generation Plants	Dr.Ranjan Dey
23.	Siddharth Menaria	Power Analysis Of The Modulated Continuous Gravitational Wave Signal	Dr. S.K. Sahay
24.	Ayush Agarwal	Experimental Investigation On Performance Analysis Of Storage Battery	Dr. S.D Manjare
25.	Sukhdeep Singh	Multi Objective Algorithm Applications In Power System	Dr. K. Chandram
26.	Raghav Parwal	Detection And Tracking Of Inter-Continental Ballistic Missiles Using Mems Based Infrared Sensors Installed In Small Satellites	Dr. Pravin Singru
27.	Chinranjeev Singh Rao	Gravitational Wave Data Analysis Using Match Filtering Techniques.	Dr. S. Sahay
28.	Phalgun Soni	Using Ubiquitous Devices To Monitor Student-Teacher Attendance To Reduce Rate Of Drop Out	Prof. Mridula Goel
29.	Siddharth Ranjan Khare	Discrete Event Simulation	Dr. G. Karthilasam
30.	Amol Agarwal	Static Analysis Of Advanced Malware	Dr. S. Sahay
31.	Kaley Nisheal	Computational Study Of Some Organo-Chaleogen Compounds	Dr. R. N. Behera
32.	Nishant Varma	Design, Synthesis And Simulation Of Flex Pret	Ms. Chhayadevi M. Bhamare
33.	Ishaan Hari Markale	Dynamics Of Cavity Flows Of Elastic Liquids	Dr. Rajaram Lakkaraju
34.	Sagar Bose	Industrial Automation; Dws And Sorter Conveyor Systems	Dr. Shibu Clement
35.	Aneesh Nambiar	Topics In Advance Cryptography: A Study On Sigma-Lfsr	Dr. Prabal Paul
36.	PRADYUMNA	Super Resolution And Intrapolation In Diffusion Tensor Images	Dr. Lucy Gudino
37.	Shashank Gugnani	Implementation Of A Prototype Distributed Application For Large Dataset Correlation Using Hadoop Within A Private Cloud Environment	Dr. Thomas Kiss
38.	Sachin Joglekar	Convergence Of Energy Devices As Applied To Smart Buildings	Prof. Sekhar Kondepudi
39.	Shah Shail Parag	Smart Tools For Raw Flash Devices	Dr. K. Gopinath
40.	Aditi Dudija	Mealy Machines, Automation (Semi) Groups, Decision Problems And Random Generation	Dr. Matthieu Picantiu
41.	Vinit Gela	Monocular Slam Based Exploration For Quadrotor And Ground Robot System	Dr. K Madhava Krishna
42.	Akshay Surendra	Modelling Wildlife Interactions In Indian Forests, Grassland And Scrub Systems	Dr. Krithi Karanth
43.	Raj N. Patel	Fabrications And Measurements Of 2D Hetrostructures Based On Graphene	Dr. Mandar Deshmukh
44.	Manoj Kumar S	Scikit Learn Development	Dr. Alexandre Gramfort
45.	Shreyas Gadgin Matha	Building Environmental Regulation That Enables Growth	Dr. Anant Sudarshan
46.	Anant Kamath	Convergence Of Indoor Environment As Applied To Smart Buildings	Dr. Sekhar Kondepudi
47.	Shiraz Hasan	Design And Development Of Tem Cell For Emi/Emc Measurement	Dr.Nisha Gupta
48.	Soni Pratik Pramod	Implementation Of Monomorphic Encryption In Web Stacks	Dr.Prateek Saxena
49.	Tomy Cherian	Advanced Biomimetics And Dynamic Systems	Prof.Olli Ikkala
50.	Abhiroop Sarkar	A Multi-Tenant Data Driven Extensible Recommendation Engine	Pravanjan Choudhary
51.	M.S. Manojit	Regulation Of Breast Cancer Cell Signalling Bby Lrig Protein	Dr. Colleen Sweeney
52.	Anand Krishnan P.	System Support For Smart Energy Buildings	Prof. Krithi Ramamritham
53.	Gurdeep Singh	Effect Of Backbone Dynamics In Predicting Protein-Protein Interaction Sites	Prof. Wim Vranken

SI No	Name	Topic	Supervisor
54.	Harman Singh	Parameterised Algorithmic Solutions To Np-Hard Problems	Dr. Neeldhara Misra
55.	Nikita Bhargava	System Enhancement Of Mobile Aerial Nodes	Dr. Ben Leong
56.	Ravi Garg	Natural Language Processing / Information Retrieval	Dr. Raghvendra Udupa
57.	Sheena	Data Placement In Noftl	Dr. Robert Gottstein
58.	Utsav Gudhaka	Wsn Based Green Building Modelling	Prof. Xie Lihua
59.	Arun Joseph	Pcb Design , Development And Testing Of Fetal Heart Monitor Using Eagle	Dr. Hardeep Khara
60.	Vibhav Joshi	Anomaly Detection In Physiological Patterns Using Algorithm On Android Platform	Dr. Hardeep Khara
61.	Raghu Nayyar	Parting Swachakra To Touch Sensitive Or Otherwise Laptop Or Desktop Environment	Dr. Anirudha Joshi
62.	Karthik Menon	Instability In The Flow Of Complex Fluids	Prof. Rama Govindarajan
63.	Aditya Cherukumudi	Numerical Simulation In Channel Flow	Dr. Rogerio Manica
64.	Kaustubh Dhole	Qtl Mapping In Gradient Environments	Dr. Himanshu Sinha
65.	Ayush Bharti	Signal Processing Of Neural Impulses Using The Brain Electrical Source Analysis (Besa) Software	Prof. Azizuddin Khan
66.	Kaustub	Design And Modelling Of Environmenatally Benign And Energy Efficient Systems	Prof. Nishith Verma
67.	Saurabh Sharma	Fluid Mechanics Of Bluff Body Flows	Dr. Arun K. Saha
68.	Ninad Kanetkar	Catalysis In Superficial Carbon Dioxide	Sunil S. Joshi
69.	Siddharth Kotwal	Design And Testing Of Battery Management Systems For New Applications	Dr. Rudi Kaiser
70.	Sumedh Kaulgud	Prototyping A Fetal Heart Monitor Usinf Psoc Slp And Psoc 1 Evaluation Kit	Dr. Hardeep Khara
71.	Belsare Sayali Milind	Use Of Magnetic Nanoparticles For Separation And Isolation Of Bacteria From Flowing Microfluidic Stream By Magnetic Separation	Prof. Todd D Giorgio
72.	Kushal Khandelwal	Machine Learning In Digital Pathology	Prof. Fred Hamprecht
73.	Vaibhav Bajaj	Carbon Nanomaterial Based Miniturized Chemirestiv Sensor For Biomedical Applications	Dr. Rajesh
74.	Vishal Pathak	Topics In Field Theory	Dr. Anirban Basu
75.	Thejas. H. C.	Particulate Flows In The Ocean	Dr. Rama Govindrajan
76.	Sunny Guha	Guage Or Gravity Duality	Prof. Ashoke Sen
77.	Ankit Vikran	Quatum Fields In Curved Spacetime And Hawking Radiation	Dr. Suvrat Raju
78.	Gauri Bhagawantrao Jagtap	Selected Topics In Quantum Information Processing	Dr. Naresh Sharma
79.	Dheeraj Narsimha	Combinational Optimization In Wireless Networks	Dr. Rahul Vaze
80.	Ankit Mittal	Studying And Optimizing Advanced Surface Movement Guidance And Control Systems(Asmgcs)	Dr. Rajendra Kumar
81.	Raunak Dharani	Investigating The Micro Architecture Influence On Rtos	Dr. Lam Siew Kei
82.	Gaurav Temani	Process Design And Optimization Of Algal Based Biofuel Production	Dr. Mathew
83.	Vaibhav Kathuria	Performing An Energy Balance Of Gasifier System	Dr. Sumitro Chakraborti
84.	Srihari Menon	A Finite Element Solver For Compressible And Incompressible Flows	Dr. D. Jayachandran
85.	Shiv Rajora	Algorithms For Rejection Of Radio Frequency Interference From Gmri Pulsar Time Series Data	Prof. Yashwant Gupta
86.	Vikram Pradhan	Microstereolithography (Msl) Of Biocompatible Materials	Dr. Prasanna Gandhi

**LIST OF PROJECTS COMPLETED UNDER HIGHER DEGREE
DISSERTATIONS AT KK BIRLA GOA CAMPUS DURING THE YEAR 2014**

Goa Campus:

Second Semester 2013-2014

1.	Garima Singh	Biogas Purification By Mircoalgae	Dr. M. Srikanth
2.	Snehal Nirgude	Effect Of Qnanacrime On Human Breast And Lung Cancer	Dr. A. Sarkar
3.	Ramesh Bishnoi	Comparative Analysis Of Promoters Of Ø 11	Dr. Malabika Biswas
4.	Shreya S Katiyar	Screening For Lalophilic Enzymes In Bacteria	Dr. Judith Braganca
5.	Malvika Sudhakar	Structural And Physiochemical Chararterization Of P62 From Moringa Oleifera	Dr. Sumit Biswas
6.	Sampada Bokade	Development Of Metallic Nanostructure Using Maskles Photolithography	Dr. Jegatha Natha Nambi Krishnan
7.	A. Durgadevi	Cfd Modelling Of Non Newtonian Flow In A Viscometer	Dr. Raghavendra Gupta
8.	B. Siva Narayan	Cfd Modelling Of Flow In Bubble Column	Dr. Raghavendra Gupta
9.	Vishal Valse	Studies On Chitin And Chitosan Separation From Crustasian Wastes	Dr. K. N. Poonnani
10.	Pranav Prakash Kulkarni	Theoretical And Experimental Studies In Viscosity And Surface Tension	Dr. K. N. Poonnani
11.	Shashank Wankhade	Development Of Anticorrsoasive Films And Its Testing	Dr. Sutapa Roy Ramanan
12.	Mayank Gautam	Magnetic Hydroxyapatite Nanoparticle For Bio-Medical Application	Dr. Sutapa Roy Ramanan
13.	Vijaya Devgonde Patil	Experimentalstudies On Carbon Dioxide Absorption In Ammonia And Water	Dr. Srinivas K . Swamy
14.	Pragya Singh	Experimental Studies On Nanofiltration With Organic Solvent	Dr. Srinivas K . Swamy
15.	D. Satish Kumar	Development Of Metallic Nano Structures Using Electroless Plating For Sensor Application	Dr. Jegatha Natha Nambi Krishnan
16.	Desai Mayeink Kamleshbhai	Search Engine Optimization	R. K. Roul
17.	Rohit Devanand Omanwar	User Profiling	Prof. Bharat Deshpande
18.	Agrawal Shweta	Design Of Energy Efficient Scheduling Algorithm For Multicore Real Time System	Dr. Biju Raveendran
19.	Divya Vipin	Design Of Energy Efficient Cache Architecture For Multicore Embedded Systems	Dr. K. R. Biju
20.	Trusit Sandipbhai Shah	Implementation Of Losn For Cbm Of Pipelines	Dr. K. R. Anupama
21.	Ramesh Raghu	Memristor Based Logic Design	Mr. Pravin Mane
22.	Bharath . K. Bhat	Experiment Studies On Advanced Tribometer For Artificial Hip Implant Material	Dr. A. C. Kulkarni
23.	Yogesh S. Danekar	CFD Modelling Of Heat Exchanger	Dr. Dillip Kumar

		Fouling	Mohanty
24.	Sawantmorye Khemraj Suryakant	Investigation Of Cohesive Parameters For Mild Sheet To Stimulate Fracture Process Zone:Experimental And Finite Element Approach	Prof. D. M. Kulkarni
25.	Shinde Vikram Nivrutti	Strategic Product Design Using Dfx Principles	Dr. R. G. Mote
26.	Vishnu G. U	Characterization Of Crack Growth Behaviour Using Cohesive Zone Elements	Dr. Vikas Chaudhari
27.	Yogesh A. Joshi	Effect Of Thickness On Fracture Toughness In Plane Stress & Plane Strain Zone	Prof. D. M. Kulkarni
28.	P. Hanumaanth Reddy	Study Of Kinetics For The Digestion Tanks In Alumina Refining By Dissolution Of Bauxite In Naoh	Dr. K. N. Ponnani
29.	Pabla Iraz	Molecular Basis Of Debiquitinating Enzymes Function And Their Association With Neurodegeneration	Dr. Judith Braganca
30.	Shashank Alias	Design And Development Of 3-Cylinder Crankshaft For Automobile Application	Dr. D. M. Kulkarni
31.	Krittika Nandy	Identify The Role Of Replication Protiens In Mitosis Of Proliferting Hela Cells	Dr. Arnab Banerji
32.	Shikha Aggarwal	Identification And Characterization Of Genes Conferring Oxidative Stress Tolerance To E. Coli From Various Metagenoic Libraries	Dr. Malabika Biswas
33.	Abhijit Pradip	Linear Accelerator Design For Medical Electronics	Mr. Gavax Joshi

BITS Pilani

annual report 2014

Part B3: Hyderabad Campus

CONTENTS

		Page No.
B3.1	SENIOR OFFICERS AND APPOINTMENTS	B3-1
B3.2	ADMISSIONS	B3-1
B3.3	DUAL DEGREES AND TRANSFERS	B3-1
B3.4	ACADEMIC CALENDAR	B3-1
B3.5	COURSES OFFERED	B3-2
B3.6	REGISTRATION OF STUDENTS	B3-2
B3.7	ACADEMIC AND PROFESSIONAL COUNSELLING	B3-2
B3.8	AWARD OF DEGREES	B3-2
B3.9	CAMPUS INTERVIEWS AND PLACEMENT	B3-4
B3.10	DEPARTMENT-WISE REPORT	B3-4
	B3.10.1 Biological Sciences	B3-4
	B3.10.2 Chemical Engineering	B3-10
	B3.10.3 Chemistry	B3-13
	B3.10.4 Civil Engineering	B3-18
	B3.10.5 Computer Science and Information systems	B3-23
	B3.10.6 Electrical and Electronics Engineering	B3-27
	B3.10.7 Economics and Finance	B3-32
	B3.10.8 Humanities and Social Sciences	B3-35
	B3.10.9 Mechanical Engineering	B3-37
	B3.10.10 Mathematics	B3-41
	B3.10.11 Pharmacy	B3-45
	B3.10.12 Physics	B3-53
B3.11	DIVISION/UNIT/CENTER-WISE ACTIVITY HIGHLIGHTS	B3-56
	RESEARCH AND DEVELOPMENT	B3-56
	CENTRAL FACILITIES REPORT	B3-56
	Library	B3-56
	Workshop	B3-58
	Community Welfare Unit	B3-58
B3.12	STUDENTS ACTIVITIES, ACHIEVEMENTS, SCHOLARSHIPS, CULTURAL AND ACADEMIC FESTIVALS	B3-58
	Clubs	B3-58
	Scholarships	B3-59
	NSS	B3-60
	NIRMAAN	B3-62
	Sports Activities	B3-63
B3.13	MAJOR MAINTENANCE, RENOVATIONS OR NEW CONSTRUCTION REPORTS	B3-63
B3.14	MAJOR EQUIPMENTS ACQUIRED DURING THE YEAR	B3-63

BITS PILANI – HYDERABAD CAMPUS

B3.1 SENIOR OFFICERS AND APPOINTMENTS

(a) Senior Officers

- a. Prof. V S Rao, Director and Senior Professor
- b. Prof G Sundar, Director and Senior Professor - Off Campus Programs & Industry Engagment was transferred from Pilani to Hyderabad campus
- c. Prof. M B Srinivas, Dean - Administration
- d. Prof. Suman Kapur, Senior Professor, Dean, International Programmes and Collaboration Division (University Wide)
- e. Prof Niranjan Swain, Dean, Practice School Division; was transferred from Pilani to Hyderabad campus

(b) New appointments

- a. Mr. Srinivasa Gupta Koduri, General Manager (Construction & Project Management)

The names and designations of senior officers of Hyderabad campus are given in **Annexure 1** (part B3).

B3.2 ADMISSIONS

The number of students admitted in each of the semesters is given below.

	Integrated First Degree Programmes	Higher Degree Programmes	Integrated Higher Degree Programme	Doctoral Programmes (PhD-Full-time)	Doctoral Programmes (PhD-Part-time)	Total
Second Semester 2013-2014	-	-	-	15	13	28
First Semester 2014-2015	712	52	10	10	0	784
Grand Total						812

The programme-wise details are given in **Annexure 2** (Part B1).

B3.3 DUAL DEGREE AND TRANSFERS

During the Year 2014, a total no of 171 (169+2) students were permitted to pursue concurrently two first degrees under the Dual Degree scheme as per details given in **Annexure 2** (Part B1).

TRANSFERS:

During the Year 2014, a total no of 15 (9+6) students were permitted to transfer from the initial allotment of First Degree programme to the other programmes of First Degree to pursue under the Transfers scheme as per details given **Annexure 2** (Part B1).

VERTICAL TRANSFERS:

During the year 2014, 3 students (Three students from Higher Degree were permitted to vertically transfer to Ph.D. Programme (1 – Bio, 1 – Pharmacy, 1 – Civil) at Hyderabad Campus.

B3.4 ACADEMIC CALENDAR

The Academic year of the Institute is divided into two semesters and a summer term.

	Starting Date	Ending Date	No of Instruction Days (Excluding Examination Days)
Second semester 2013-2014	15.01.2014	03.05.2014	86
First Semester 2014-2015	02.08.2014	29.11.2014	96
Summer Term 2013-2014	23.05.2014	18.07.2014	44

B3.5 COURSES OFFERED

The number of courses, offered during the year 2014 are as follows:

	Number of Courses Offered
Second semester 2013-2014	379
First Semester 2014-2015	358
Summer Term 2013-2014	11

During the year the following new courses are added

Second semester 2013-2014	81
First Semester 2014-2015	50

The list of new courses added is attached as a separate **Annexure 3 (Part B3)**.

B3.6 REGISTRATION OF STUDENTS

The registration processes for both the semesters was completed on the first day of each semester.

	Number of students registered
Second semester 2013-2014	3099
First Semester 2014-2015	3253
Summer Term 2013-2014	700

Details of Registration of students for the First Semester 2014-2015 are given in **Annexure 4 (Part B3)**.

B3.7 ACADEMIC AND PROFESSIONAL COUNSELLING

There were 55 students under the purview of the Academic Counselling Board (ACB) at the beginning of the Second Semester 2013 – 2014. At the end of Second Semester 2013 – 2014, 24 students who have fulfilled the minimum academic requirements as per the Academic Regulations and the stipulations laid down by the ACB were declared outside the purview of ACB. 28 new cases came under the purview of ACB at the end of Second Semester 2013-2014. The total number of students who are under the purview of ACB at the beginning of First Semester 2014-2015 is 59.

It further monitored their progress and applied necessary mid-course corrections, wherever required. The statistical summary of the number of On-campus students under its purview during the year is given below:

		II Semester 2013-14	I Semester 2014-15
1.	Total number of students under the purview of ACB at the beginning of the semester	55	56
2.	No. of students declared out of its purview at the end of the semester	24	35
3.	No. of students who left/transfer the Institute during the semester	0	0
4.	No. of new students who came under the purview of ACB at the end of the semester	28	34
5.	Total No. of students under the purview of ACB during the next semester	59	55

B3.8 AWARD OF DEGREES

Convocation was conducted on 10.08.2014, Chief Guest Padma Bhushan Dr. K. Radhakrishnan, Chairman, Space Commission; Secretary, Department of Space and Chairman of ISRO, Chancellor Dr Kumar Mangalam Birla, and the Vice Chancellor Dr B N Jain have participated in the Convocation of the campus for award of various degrees (First Degree, Higher Degree) to 683 students who have qualified in second Semester 2013-14.

Total No. of Students : 582)

S.No.	Name and ID No	Gender	CGPA Obtained	Position Obtained	Type of Medal to be awarded
1	HARSHITHA S K 2009B5A3364H	Female	9.96	FIRST	GOLD
2	MAYANK SINGH 2010A2PS315H	Male	9.95	SECOND	SILVER
3	MALDE NISHIT KETAN 2010AAPS017H	Male	9.82	THIRD	BRONZE

During the year, a total of 683 students graduated and the details are as follows:

S. No	Programmes	B.E. (Hons.)	M.Sc. (Hons.)	M.Sc. (Tech.)	H.D.	Ph. D	Total
First Degrees							
	Chemical Engineering	39					39
	Civil Engineering	38					38
	Electrical & Electronics Engineering	69					69
	Mechanical Engineering	59					59
	B. Pharmacy	33					33
	Computer Science	75					75
	Electronics & Communication	70					70
	Biology		20				20
	Chemistry		27				27
	Economics		38				38
	Mathematics		43				43
	Physics		32				32
	Information Systems			46			46

Higher Degrees							
	M.E. Computer Science				12		12
	M.E. Microelectronics				4		4
	M.E. Biotechnology				9		9
	M.E. Embedded Systems				12		12
	M.E. Design				9		9
	M.E. Structural Engineering				8		8
	M.E. Thermal				7		7
	M.Pharm. (with specialization in Pharmacy)				3		3
	M.Pharm. (with specialization in Pharmaceutics)				22		22
	M.Pharm. (with specialization in Pharmaceutical Chemistry)				5		5
	Ph. D.					3	3
	Total	383	160	46	91	3	683

B3.9 CAMPUS INTERVIEWS AND PLACEMENT

Number of companies which conducted campus interviews	138
No of interviews	7867
No of offers made	438

The discipline-wise statistics and the list of organizations which conducted campus interviews during the year are given in **Annexure 5(Part B3)**.

B3.10 DEPARTMENT-WISE REPORT

In the following pages, a brief summary of the main activities and achievements of different departments of the campus as on 31.12.2014 are highlighted.

B3.10.1 Biological Sciences**Number of faculty members**

Senior Professors, Professors	02
Associate Professors	02
Assistant Professors	07
Lecturers	00
Visiting Faculty	00

Head of the Department: Suman Kapur

Contact details: 40-6630-3563; skapur@hyderabad.bits-pilani.ac.in

Number of PhD Scholars: 41 students

Sponsored Research activities:**Ongoing projects:**

SL No	Project Name	Principal Investigator	Funding Agency	Sanctioned Amount (Lakhs)	Duration
1.	Development of an indigenous chip for testing antibiotic sensitivity of pathogens found in human urinary tract	Prof. Suman Kapur	NPMASS-DRDO	82.51	2008-2014
2	Developing low cost POC device for detection of blood glucose levels	Prof. Suman Kapur	ICMR	28.06	2012-2014
3	Development of indigenous POC device micro-channel/fluidic device for estimation of lipid profile in human plasma/serum	Prof. Suman Kapur	NPMASS-DRDO	46.67	2013-2015
4	A point of Care (POC) device for detection of antibiotic sensitivity of uropathogens in human urine	Prof. Suman Kapur	DBT-BIRAC	45	2014-2016
5	Adenovirus-delivered RNAi as an antiviral strategy against dengue.	Prof. Swaminathan	DBT	59.7	2014-2017
6	Consequences of cellular crowding on structure stability and folding of a TIM barrel protein	Dr Ramakrishna Vadrevu	DST	37.37	2012-2015

SL No	Project Name	Principal Investigator	Funding Agency	Sanctioned Amount (Lakhs)	Duration
7	Microbial lipase catalyzed production of ester intermediates for various processing applications in pharmaceutical and food industries	Dr. Jayati ray Dutta	UGC	13	2014-2017
8	Anaerobic co-digestion of food waste and organic fraction of municipal solid waste for the production of biogas and concomitant use of biogas as fuel for cooking and spent slurry as fertilizer.	Dr. Sankar Ganesh	CORE, BITS grant	50	2014-2019
9	Novel biomarker responses to validate acute toxicity of engineered nanoparticles and their physicochemical interactions in earthworm as a model bio indicator of nano (eco) toxicology.	Dr. Sankar Ganesh	DBT	14	2012-2015
10	Novel molecular mechanism involving adenosine and adenosine receptors in acceleration of alcohol induced hepatic fibrosis	Dr. Palash Mandal	CSIR	24.7	2012-2015
11	Role of adipose in ethanol-induced tissue injury	Dr. Palash Mandal	DST	25	2013-2016
12	Delineating the impact of plant growth promoting rhizobacteria on plant polyamine metabolism: novel insights into plant-PGPR interactions	Dr. Sridev Mohapatra	DST	25	2013-2016
13	Characterization of a mouse embryonic stem cell model to study the effects of increased levels of DNA methyltransferase 1 (DNMT1) on abnormal neurogenesis	Dr Kommu NagaMohan	DST	40.38	2014-2017
14	Development of a cost-effective membrane and DNA chip-based detection of mutations with multiple drug-resistance tuberculosis	Dr Kommu NagaMohan	DST	69.16	2014-2017
15	Transgenic Embryonic stem cell models for studying the role of elevated levels of DNMT1, and DNMT3A in neuropsychiatric disorders.	Dr Kommu NagaMohan	DBT	25.0	2014-2017
16	Automated Detection of abnormal copy number variants in human diseases	Dr Kommu NagaMohan	DBT-BIRAC	49.9	2014-2016
17	Application of micro-environment property descriptor to explore free energy changes in amyloidogenic protein aggregation	Dr. Debashree Bandyopadhyay	UGC-BSR	5.4	2013-2015

Projects sanctioned during the year

SL No	Project Name	Principal Investigator	Funding Agency	Sanctioned Amount (Lakhs)	Duration
1.	A point of Care (POC) device for detection of antibiotic sensitivity of uropathogens in human urine	Prof. Suman Kapur	DBT-BIRAC	45	2014-2016

SL No	Project Name	Principal Investigator	Funding Agency	Sanctioned Amount (Lakhs)	Duration
2.	Adenovirus-delivered RNAi as an antiviral strategy against dengue.	Prof. Swaminathan	DBT	59.7	2014-2017
3.	Microbial lipase catalyzed production of ester intermediates for various processing applications in pharmaceutical and food industries	Dr. Jayati ray Dutta	UGC	13	2014-2017
4.	Anaerobic co-digestion of food waste and organic fraction of municipal solid waste for the production of biogas and concomitant use of biogas as fuel for cooking and spent slurry as fertilizer.	Dr. Sankar Ganesh	CORE, BITS grant	50	2014-2019
5.	Characterization of a mouse embryonic stem cell model to study the effects of increased levels of DNA methyltransferase 1 (DNMT1) on abnormal neurogenesis	Dr Kommu NagaMohan	DST	40.38	2014-2017
6.	Development of a cost-effective membrane and DNA chip-based detection of mutations with multiple drug-resistance tuberculosis	Dr Kommu NagaMohan	DST	69.16	2014-2017
7.	Transgenic Embryonic stem cell models for studying the role of elevated levels of DNMT1, and DNMT3A in neuropsychiatric disorders.	Dr Kommu NagaMohan	DBT	25.0	2014-2017
8.	Automated Detection of abnormal copy number variants in human diseases	Dr Kommu NagaMohan	DBT-BIRAC	49.9	2014-2016

Publications: Papers in peer reviewed journals

1. Shivani Gupta, Suman Kapur and Rashi Jain, Marine Derived Fungi *A. cervinus* NCIM 1356: A Potential Source of HMGR inhibitors, 2014; *Journal of Pharmacy Research* (accepted).
2. Shivani Gupta, Suman Kapur. Simvastatin: Biological production, therapeutic applications and proposed alternative hypothesis for biosynthesis, 2014, *International Journal of Pharmaceutical Sciences Review and Research*, 27(2), 279-284.
3. Shivani Gupta, Rashi Jain and Suman Kapur, Statins: A Review of Wonder Drug from Fungus, 2014, *Research Journal of Pharmacy and Technology*; Vol: 7(10) 1201-1207.
4. Shivani Gupta, Suman Kapur and DV Padmavathi, Comparative prevalence of antimicrobial resistance (AMR) in uropathogens as observed in urinary tract infection cases from representative states of northern and southern India, 2014, *J. of Clinical & Diagnostic Research*, 8(9):09-12.
5. Shivani Gupta and Suman Kapur, Simvastatin: Biological production, therapeutic applications and proposed alternative hypothesis for biosynthesis, 2014, *International Journal of Pharmaceutical Sciences Review and Research*, 27(2), 279-84.
6. Suman Kapur, Shivani Gupta, Padmavathi DV, Anuradha Pal, Jitendra Pant, Rashi Jain, Rapid sensor based technology: A novel tool for direct antimicrobial susceptibility testing in urinary tract infection, 2014, *Translational Medicine and Biotechnology*, 2(1), 22-28.
7. Shivani Gupta, DV Padmavathi, Apoorva Verma and Suman Kapur, Garlic: An effective functional food to combat the growing antimicrobial resistance, 2014, *JTAS*, (accepted).
8. A Benkhokha, S Suchday, SC Saha, S Kapur, Gender differences in health knowledge and how it translates to health related behavior in Indian adolescent, 2014 *Psychosomatic Med.* 76 (3), A26-A26.
9. H. Beesetti, N. Khanna, S. Swaminathan. Drugs for dengue: a patent review (2010-2014). *Expert Opinion on Therapeutic Patents*, 24: 1174-1181, 2014.

10. L. Levanov, S. Kuivanen, A. Matveev, S. Swaminathan, A.J. Hakala, O. Vapalahti. Diagnostic potential and antigenic properties of recombinant tick-borne encephalitis virus subviral particles expressed in mammalian cells from Semliki Forest virus replicon. *Journal of Clinical Microbiology*, 52: 814-822, 2014.
11. Madhu Poornima Mamidala, Mahesh Kumar Kalikiri, , Praveen Kumar P. T. V, N Rajesh, OmSai Ramesh Vallamkonda, Vidya Rajesh, " Consanguinity in India and its association with Autism Spectrum Disorder", Autism Research (2015) In Press.
12. Manasi, Vidya Rajesh, N. Rajesh, "Adsorption Isotherms, Kinetics and Thermodynamic studies towards understanding the interaction between a microbe immobilized polysaccharide matrix and lead', *Chemical Engineering Journal*, 248, (2014), 342-351.
13. Manasi, Vidya Rajesh, A.Santhana Krishna Kumar, N. Rajesh, " Biosorption of cadmium using a novel bacterium isolated from an electronic industry effluent. ",*Chemical Engineering Journal*, 235, (2014), 176-185.
14. . Sita Ramyasree Uppada, Aditya Balu, Amit Kumar Gupta and Jayati Ray Dutta, Hybrid Neural Network based Optimization of Process parameters and application of Taguchi method for Lipase production from Co-culture of *Lactobacillus brevis* and *Lactobacillus plantarum*, *International Journal of PharmaTech Research*, Sphinxsai, 6(7), (2014), pp.2074-2082. (Impact factor 0.6)
15. Sita Ramyasree Uppada, Aditya Balu, Amit Kumar Gupta and Jayati Ray Dutta, Modeling lipase production from co-cultures of lactic acid bacteria using neural networks and support vector machine with genetic algorithm optimization, *International Journal of Emerging Technologies in Computational and Applied Sciences*, 9(1), 2014,pp. 38-43. (Impact Factor 1.237)
16. Sharma P, Bharati MR, Dave M, Kapur S and Narayan KP (2015) Comparative Analysis of Apoptotic Activity From Extracts of Saponin Rich Indian Medicinal Plants, *Journal of Pharmacy Research* (Accepted)
17. Sharma P, Banerjee Rajkumar and Narayan KP (2014) Liposomes for controlled drug delivery: drugs of the future. *Journal of Pharmacy Research*. 8(5),637-641.
18. Dr P Sankar Ganesh, Edge transition impacts on swamp plant communities in the Nilgiri mountains, Southern India, *Applied Ecology and Environmental Research*, 2014, 12(4): 909-929. (IF: 0.456).
19. Dr P Sankar Ganesh Induction of defense enzymes and phenolic content by *Trichoderma viride* in *Vigna mungo* infested with *Fusarium oxysporium* and *Alternaria alternata*, *International Journal of Agricultural Science and Research*, Transtellar, 2014, Vol 4 (4), 31-40 (IF JCC: 4.359).
20. Bakhit Bakhaudyn1*, Palash Mandal1* , Dola Das1*, Sanjoy Roychowdhury1*, Jazmine Danner1, Katelyn Bush1, Katherine Pollard1, James Kaspar1, Megan R. McMullen1 and Laura E. Nagy1(2014). Protective role of HO-1 and carbon monoxide in ethanol-induced cell death in hepatocytes and liver injury in mice. *Journal of Hepatology*,; 2014 Nov;61(5):1029-37. impact factor 10.418. (1*these 3 authors contributed equally).
21. Impact of Ethanol Exposure on the Production of Reactive Oxygen Species, Malondialdehyde, and Adipokines (Leptin & Resistin) in 3T3L1 Cells; P Mandal, N Reddy, R Jagadeesh, I Khan; *Journal of Clinical & Experimental Hepatology* ' 2014; 4, S32-S33.
22. Chaste P, Sanders SJ, Mohan KN, Klei L, Song Y, Murtha MT, Hus V, Lowe JK, Willsey AJ, Moreno-DeLuca D, Yu TW, Fombonne E, Geschwind D, Grice DE, Ledbetter DH, Lord C, Mane SM, Martin DM, Morrow EM, Walsh CA, Sutcliffe JS, State MW, Martin CL, Devlin B, Beaudet AL, Cook EH Jr, Kim SJ. Modest impact on risk for autism spectrum disorder of rare copy number variants at 15q11.2, specifically breakpoints 1 to 2. *Autism Res*. 2014 Jun;7(3):355-62. doi: 10.1002/aur.1378. Epub 2014 May 12. PubMed PMID: 24821083. (Impact Factor: 4.532).

Conferences attended/papers presented:

1. Blesson Memana Abraham and Suman Kapur, School based interventional study employing information and communication technologies to strengthen the adolescent health program in india, to be presented at the APAMI 2014, scheduled to be held in New Delhi from November 1-2, 2014.
2. Sanyam Garg, Ramprasaath Ramasamy Selvaraju, Suman Kapur, MM. Rao Kunda, Automated colorimetric analysis in paper based sensors to be presented at IEEE International Conference on Image Processing (ICOIP 2014) to be held 27th to 30th October 2014 at CNIT La Defense, Paris.
3. Suman Kapur, Changing Demographics, Globalization, Environment and Health Care to be presented at ISEC, 2014 to be held at Bangalore from 27th - 28th October 2014.
4. Suman Kapur, Genomics in Health and Diseases plenary lecture delivered at Genomics in Health and Diseases organized by CIENCIA publishers Erragadda, Hyderabad, India on August 22-23, 2014.
5. Rupak Kumar and Suman Kapur, The Biodegradation of environmental pollutant-morpholine, presented at national conference on biodiversity, environmental hazards-therapeutic approaches and drug design, held at Govt. degree college for women, Srikalahasti, A.P on July 26-27, 2014.

6. Suman Kapur Invited speaker at British Council's Global Education Dialogue held at Colombo, Sri Lanka from 17 to 18th March 2014.
7. Suman Kapur, Environment and Health: Approaches for mitigating ill-health effects environment degradation, presented at the International Conference on Emerging trends in Science & Technology Impact on Environment & Society for inclusive growth, held at AISECT University, Mendua, Bhojpur, Raisen, M.P., India from 14-15 Feb 2014.
8. Suman Kapur, Anuradha Pal, Shivani Gupta, D.V.Padmavathi, Ultra Rapid test for determining antibiotic sensitivity: RightBiotic, presented at the International Conference on Emerging trends in Science & Technology Impact on Environment & Society for inclusive growth, held at AISECT University, Mendua, Bhojpur, Raisen, M.P., India from 14-15 Feb 2014.
9. Pavan K. Mujawdiya, Shaifali Gurjar, Anuradha Pal and Suman Kapur, Holes in the Gut: Gut permeability as a consequence of diet and environmental changes, presented at the International Conference on Emerging trends in Science & Technology Impact on Environment & Society for inclusive growth, held at AISECT University, Mendua, Bhojpur, M.P., India from 14-15 Feb 2014.
10. D.V. Padmavathi, Shivani Gupta, Apoorva Verma and Suman Kapur, Allium sativum: A functional food to combat the growing antimicrobial resistance (AMR), presented at the International Conference on Emerging trends in Science & Technology Impact on Environment & Society for inclusive growth, held at AISECT University, Mendua, Bhojpur, M.P., India from 14-15 Feb 2014.
11. Shivani Gupta, Rupak Kumar, D.V. Padmavathi and Suman Kapur, Environment pollutant (Morpholine): Contribution to antimicrobial resistance (AMR), presented at the International Conference on Emerging trends in Science & Technology Impact on Environment & Society for inclusive growth, held at AISECT University, Mendua, Bhojpur, M.P., India from 14-15 Feb 2014.
12. Sai Chinmayi Jillellamudi, Sruthi Varier, Suman Kapur, Regulatory Micro RNAs Regulated by Macro Environment, presented at the International Conference on Emerging trends in Science & Technology Impact on Environment & Society for inclusive growth, held at AISECT University, Mendua, Bhojpur, M.P., India from 14-15 Feb 2014.
13. Sharma P, Bharati M R, Dave M, Kapur S and Narayan K P (2014) Comparative analysis of apoptotic activity from extracts of saponin-rich Indian medicinal plants. *Journal of Pharmacy Research* 8(12):1779-1784.
14. Sharma P, Banerjee R and Narayan K P (2014) Liposomes for Controlled Drug Delivery: Drugs of the Future. *Journal of Pharmacy Research* 8(5):637-641.
15. Sharma P, Banerjee R and Narayan K P (2014) Steroid hormone receptor mediated liposomal delivery system induces apoptosis in cancer cells in a targeted manner. International Conference on stem cells and cancer (ICSCC-2014): Proliferation, differentiation & apoptosis at JNU Convention Centre, New Delhi, India from 8-10 November, 2014.
16. Sharma P, Bharti M R, Dave m and Narayan K P (2014) Phytoextracts from highly saponin producing plants induces cytotoxicity and apoptosis in cancer cells. International Conference on Chemical Biology (ICCB)-2014 at CSIR-Indian Institute of Chemical Technology, Hyderabad, India from 6-8 February, 2014.
17. MadhuPoornima Mamidala, Mahesh Kumar Reddy, Vidya Rajesh, "An epidemiological study on maternal polycystic ovarian syndrome as risk factor for Autism Spectral Disorder," International symposium - Evidence in Global Disability and Health, Hyderabad Central University, 22-23rd February, 2014.
18. Manasi, Vidya Rajesh, Satvika T., N. Rajesh, " Removal of zinc using a novel microbe-polysaccharide adsorbent", 16th CRSI National Symposium in Chemistry, IIT, Bombay, 7th - 9th February, 2014.
19. Design and Syntheses of 'Aggregation Induced Emission' Active Cyclometalated Platinum(II) Complexes and their Biological Applications, Sheik Saleem Pasha, Parvej Alam, Rajdeep Chowdhury, Debashree Banerjee, Nigam Rath, Inamur R. Laskar, IISER Mohali National Seminar on Crystallography, 28th to 30th March, 2014, IISER, Mohali, INDIA
20. Role of Microenvironment in modulating structure and function of Cystine residues in high-resolution protein crystal structures, Debashree Bandyopadhyay, 4th Annual International Conference, Biotech 2014, 10th and 11th March, 2014, BITS-PILANI, Dubai Campus, Dubai
21. How is the rate of a chemical reaction regulated in biological systems? Study on acid-base reactions in high-resolution protein crystal structures, Debashree Bandyopadhyay, Annual Meeting of the Indian Biophysical Society, February, 7-10, 2014, Kolkata, India
22. Role of Microenvironment in modulating structure and function of Cystine residues in high-resolution protein crystal structures, Akshay Bhatnagar and Debashree Bandyopadhyay, Annual Meeting of the Indian Biophysical Society, February, 7-10, 2014, Kolkata, India
23. Siva Prasad B, Ashwini S, Sankar Ganesh P, Physicochemical Characterization and Ecotoxicological Evaluation of TiO₂ Nanoparticles in Earthworm *Eisenia foetida*, *The Toxicologist* 215, 53rd Annual Meeting and ToxExpo of The Society of Toxicology, Phoenix, Arizona, March 2014.

24. B. Siva Prasad, P. Sankar Ganesh, 2014. Acetylcholinesterase response in fish *Catla catla* as a biomarker of chlorpyrifos contamination in fresh water ecosystem. Proceedings of 4th Annual International Conference on Advances in Biotechnology (BIOTECH 2014). BITS Pilani, Dubai Campus, March 2014.
25. Siva Prasad B, Ashwini S, Sankar Ganesh P, Should we say NO to NaNO? Preliminary study to corroborate occurrence of nanoparticles in treated wastewater samples, Proceedings of the National Conference on Technology, Policy and Community: Small Experiments in Sustainability, BITS Pilani, Hyderabad Campus, March 2014.
26. Siva Prasad B, Ashwini S, Sankar Ganesh P, Confounding factors and future challenges to delineate ecotoxicity of TiO₂ nanoparticles, Proceedings of the 9th SETAC Asia Pacific 2014 conference, Adelaide, Australia, September 2014.
27. Swasti Dhagat, Sankar Ganesh P, Srikanth Mutnuri, Evolution of UASB reactor: Descent with modifications pertaining to treatment efficiency and methane productivity, Proceedings of the Conference on Decentralized Biogas Digesters and their Slurry Management, BITS Pilani, Goa Campus November 2014.
28. Sankar Ganesh P, Siva Prasad B, Nanomaterials and Nanotoxicology: Two sides of the same coin, Proceedings of the National Conference on Advanced Materials for Defence and Aerospace Applications, AMDA 2014, BITS Pilani, Hyderabad Campus, December 2014.

Book published:

- Assessment of Titanium dioxide nanoparticle toxicity in earthworms, Ashwini Sri Hari, Siva Prasad Bitragunta, Sankar Ganesh Palani. ISBN: 978-3-659-55283-0, Lambert Academic Publishing, 2014.

Invited Talks given by BITS faculty:

Naga Mohan Kommu delivered a talk on, "The search for Epigenetic Basis of Autism" International Conference on Genomics and Proteomics, June 12-14, 2014. New Delhi.

- Suman Kapur delivered a talk on , Changing Demographics, Globalization, Environment and Health Care at ISEC, 2014 held at Bangalore from 27th - 28th October 2014.
- Suman Kapur, delivered a plenary lecture on Genomics in Health and Diseases organized by CIENCIA publishers Erragadda, Hyderabad, India on August 22-23, 2014.
- Suman Kapur was invited as a speaker at British Council's Global Education Dialogue held at Colombo, Sri Lanka from 17 to 18th March 2014.
- Suman Kapur delivered a talk on , Environment and Health: Approaches for mitigating ill-health effects environment degradation, presented at the International Conference on Emerging trends in Science & Technology Impact on Environment & Society for inclusive growth, held at AISECT University, Mendua, Bhojpur, Raisen, M.P., India from 14-15 Feb 2014.

Invited talks arranged in the department: 05 talks organized by the department

- Prof. Narayana Sthanam from University of Alabama, USA delivered a talk on "Structural Biology of Bacterial Pathogenesis" on February 17, 2014
- Dr. R. Swaminathan Professor, Department of Biotechnology, IIT, Guwahati, gave a talk on "Aggregation of Lysozyme in alkaline pH" on 23rd July 2014.
- Dr. Minakshi Grover, Sr. Scientist, Central Research Institute for Dryland Agriculture(CRIDA)
- Hyderabad delivered a talk on Microbes for management of abiotic stress in agriculture 12th November 2014
- Also the department organized the, Winter Institute in Global Health (WIGH 2014), 17-25th Jan 2014 and a symposium on Human Diseases from 15th and 16th March, 2014

Awards and recognitions won by faculty and students Five awards

- Priyanka Sharma got best poster presentation award at ICSCCB-2014 held at JNU Convention Centre, New Delhi, India for the topic entitled "Steroid hormone receptor mediated liposomal delivery system induces apoptosis in cancer cells in a targeted manner".
- BEST India 1st prize, two best paper awards and two opera awards

Faculty Development, International Collaboration & Industry Immersion:

Collaboration with PACE University

Significant new equipments/experimental facility added during the year:

Flowcytometer and Lightcycler under the FIST India Grant, Pico drop, RT-PCR, Lyophilizer

Departmental association/club activities:

Synopsis seminar every week, forensic workshop during ATMOS

Major maintenance, renovations or new construction reports

Major equipment acquired during the year: same as reported under point number IX

B3.10.2 Chemical Engineering

I. Number of faculty members

Senior Professors, Professors	----
Associate Professors	---
Assistant Professors	9
Lecturers	1
Visiting Faculty	---

Head of the Department: Dr. Ramesh Babu Adusumalli

Contact details: 040 - 66303-554 ;

E-mail: ramesh.babu@hyderabad.bits-pilani.ac.in

Number of PhD Scholars: Seven Ph.D. Scholars and Five Project fellows

II. Sponsored Research activities

Department has seven projects (6 ongoing + 1 sanctioned) worth Rs. 230.99 Lakhs funded by various funding agencies such as DBT, DST, BIPP-BIRAC, BITS-Pilani. Department has 12 PhD students/project fellows working on these projects.

Ongoing projects:

SL No	Project Name	Principal Investigator	Funding Agency	Sanctioned Amount (Lakhs)	Duration
1.	Development of Synthetic Resin Product	Dr. Srikanta Dinda	DST	22	Aug. 2013 (36 months)
2.	Extractive Fermentation with Surfactants to Enhance Butanol Production	Dr. Pradip B. Dhamole	DBT	29.17	Dec'2013 (36 months)
3.	Treatment of Nitrogenous Waste using Microalgae and its Utilization for Production of Biofuels and Other Value Added Products	Dr. Pradip B. Dhamole	BITS-Pilani	45	Feb'2014 (36 months)
4.	3-D Printer Filaments that are Biomaterial-Based and Eco-Friendly	Dr. Karthik Chethan V.	BIRAC	34	June 2014 (18 months)
5.	Biofuels from lignocellulosic biomass waste: Biosolubilization and biomethanation of Lignin	Dr. Asma Ahmed	DST	24.1	July 2014 (36 months)
6.	Nano-scale Characterization of Human Hair Fibres by using Indentation Technique	Dr. Ramesh Babu Adusumalli	DST	26.62	Aug. 2014 (36 months)

Projects sanctioned during the year

S. No	Project Name	Principal Investigator	Funding Agency	Sanctioned Amount (Rs. Lakhs)	Duration
1	Bioconversion of Coal	Dr. Asma	DBT	50	Yet to start

	Rejects to Biogas and Humic Acid	Ahmed			(12 months)
--	----------------------------------	-------	--	--	-------------

Projects Completed

S.No.	Project Name	Principal Investigator	Funding Agency	Amount (in lakhs)	Duration
1	Direct Methanol Fuel Cells	Dr. Balaji Krishnamurthy	Aditya Birla group (BITS-Pilani)	12	2011-2014 (Completed)

III. Publications

1. R.B. Adusumalli, R. Passas, I Sreedhar, Balaji Krishnamurthy, B. Kombaiiah, Alex Montagne. Nanoindentation of Bleached and Refined Pulp Fibres. International Journal of Materials Engineering Innovation. Vol. 5, No. 2, pp.138–150, 2014.
2. B Sreenivasulu, D V Gayatri, I.Sreedhar, K V Raghavan. A Journey into the Process and Engineering Aspects of Carbon Capture Technologies. Renewable and Sustainable Energy Reviews (DOI 10.1016/j.rser.2014.09.029) 41, 2015, 1324-1350.
3. D V Gayatri and I Sreedhar. Kinetics of solid acid catalyzed toluene nitration using incremental identification method. Reaction Kinetics, Mechanisms and Catalysis, DOI: 10.1007/s11144-014-0784-1, 2014.
4. Sreedhar, P.Srinivas, Gautam Jain, K.V. Raghavan. Polymer Induced Turbulent Drag Reduction using Pressure and Gravity Driven Methods. The Korean Journal of Chemical Engineering, 31 (4) 2014, 568-573.
5. Sreedhar, G. Akhila, K. Harini. Optimal Process Conditions in Zeolite Catalyzed Acylation of Anisole. Kinetics and Catalysis, 55 (2) 2014, 228-231.
6. Y. Wu, V. K. Surasani, L. Li, S. S. Hubbard. Geophysical monitoring and reactive transport modeling of bioclogging processes induced by leuconostoc mesenteroides. Geophysics, Vol. 79, No. 1, 2014, P. E61–E73
7. Dhamole, P.B., Nair, R.R., D'Souza, S.F., Pandit, A.B., Lele, S.S. Denitrification of high strength nitrate waste from a nuclear industry using acclimatized biomass in a pilot scale reactor. Applied Biochemistry and Biotechnology, Accepted in Press (DOI: 10.1007/s12010-014-1317-0), 2014
8. Dhamole, P.B., Demanna, D., Desai, S.A. Extraction of p-coumaric acid and ferulic acid using surfactant based aqueous two phase system. Applied Biochemistry and Biotechnology, 174, 564-573. 2014
9. Utpat, S.S., Kinninge, P., Dhamole, P. B. Effect of periodic water addition on citric acid production in solid state fermentation. J. Ind. Inst. Chemical Eng. E 94(2), 67-72. 2014
10. Srikanta Dinda, N. C. Pradhan, A. V. Patwardhan, Development of Synthetic Ketonic Resin, Chemical Engineering Communication, doi/full/10.1080/00986445.2014.900050.

IV. Book Published: Chapter in Books

1. Sreedhar, K.Radhakishan and K.V. Raghavan, "Microenvironment Management in Heterogeneous Catalysis "in the book "Industrial Catalysis and Separations: Innovations for Process Intensification" CRC Press (ISBN: 9781926895963) (Pub Release- Feb 2014).
2. Srikanta dinda Nihit Bandaru, Radhev Paleti, Development of Epoxide Material from Vegetable Oil, Chemical and Bioprocess Engineering, ISBN-9781771880770, CRC Press (Taylor & Francis Group), 2015.

V. Conferences attended/papers presented

1. R. B. Adusumalli, Bipin Chakravarthy, K. Shantanu, S.Dinda. Analysis of Wood Pulp after Cooking and bleaching. CHEMCON 2014, Indian Institute of Chemical Engineers, Dec. 27-30, 2014, Chandigarh, India
2. Manne Ashish, Sharat Chandra, S. Dinda, R.B. Adusumalli. Analysis of CO and PM during incineration of Municipal Solid Waste. CHEMCON 2014, Indian Institute of Chemical Engineers, Dec. 27-30, 2014, Chandigarh, India
3. P. Suresh, P. Dinesh Kumar, I. Sreedhar, Vikranth Kumar Surasani and K, V. Raghavan, "A Shift from Batch to Continuous Granulation in Pharmaceutical Industry-Challenges Ahead", International conference on New Dimensions in Chemistry and Chemical Technologies-Applications in Pharma Industry, IST, June 2014. JNTU Hyderabad.

4. V. Gayatri, B.Sreenivasulu, and I. Sreedhar, "Multiphase kinetics of Zeolite Catalyzed Toluene Nitration", Proceedings of International Symposium & 67th Annual Session of IChE in association with International Partners (CHEMCON 2014), Dec 27-30, 2014.(Accepted) Chandigarh, India
5. Y. Kirti kishan, Ch, Pradeep and I.Sreedhar, "Production of Biodiesel from Rice Bran Oil and Ethanol Catalyzed by Calciumoxide", Proceedings of International Symposium & 67th Annual Session of IChE in association with International Partners (CHEMCON 2014), Chandigarh, India, Dec 27-30, 2014.(Accepted).
6. D.Purnima, Sai Sushma,"A Review on Polylactic acid (PLA) based natural fiber composites",Proceedings of International Conference on New Dimensions in Chemistry and Chemical Technologies -Applications in Pharma industry,JNTU Hyderabad, 23-25 June, 2014.
7. D.Purnima,G.Nischay Kaushik, D.Anup Kumar,"Crystallization and Impact behavior of Coir based Hybrid Composites of Polypropylene",Proceedings of MACRO 2014, Thailand,6-11 July, 2014.
8. D.Purnima, Sai Sushma" Coir as impact modifier in Polypropylene: A comparative study between PP/EPDM blends and PP/Coir Composites" Proceedings of MACRO 2015,International Symposium on Polymer Science Technology to be held at Indian Institute of Cultivation Science,Kolkata, 23-26 Jan 2015, 2015(Accepted).
9. Appala Naidu U, Karthik Chethan V, Srikanta Dinda, Polymerization Studies of Ketonic Resin. CHEMCON-2014, Chandigarh India; 27-30 Dec2014.
10. Srikanta Dinda, Prakash Purswani, Bhavana Vijay, R.B. Adusumalli, Development of Bio-based Polymer from Nahor Oil. CHEMCON-2014, Chandigarh India, 27-30 Dec 2014.
11. Rohit Puntambekar, P. Madhuri, Srikanta Dinda, R.B Adusumalli, Delignification of Heartwood and Sapwood. Indo-US Conference on Advanced Lignocellulosic Biofuels. IICT Hyderabad, Nov.10-11, 2014.

VI. Invited Talks given by BITS faculty:

1. R.B. Adusumalli. Micro and Nanomechanics of Wood, Pulp and Cellulose Fibres. Wood is Good: Current Trends and Future Prospects in Wood Utilization, organised by Institute of Wood Science and Technology, Nov. 21-23, 2014, Bangalore, India
2. R.B. Adusumalli. POLYMER COMPOSITES: CHARACTERIZATION, APPLICATIONS, and DISPOSAL. Annual general meeting of ISAMPE 2014 (Indian Society for Advancement of Materials and Process Engineering). Organised by Advanced System Laboratory (DRDO), Kanchanbagh, Feb. 2014, Hyderabad.
3. Dhamole, P.B., Mane, R.G. In situ butanol removal from fermentation broth using nonionic surfactants. International Conference on Emerging Trends in Biotechnology, 2014.

VII. Invited talks arranged in the department:

1. Dr.V.V.Krishnan, Deputy Director, Non-Ferrous Materials Technology Development Center (NFTDC), Hyderabad. Invited talk on 27/9/2014 on Solid Oxide Fuel Cell Technology- A Synthesis of Materials, Metallurgy. Chemical Engineering and Electrical Power Engineering.
2. B.Madhusudhana Rao M.E.,LL.B., Joint Chief Environmental Engineer, AP Pollution Board, Hyderabad. Invited talk on 25/4/2014 on Environmental Legislations and Role of Cleaner Production Technologies for Controlling Pollution.
3. D.S. Sastry. Ex-DGM Vizag Steel Plant, Invited talk on 17/10/2014 on Role of Chemical Engineers in Industry and Industrial scenario in India.

VIII. Awards and recognitions won by faculty and students

1. Dr. Srikanta Dinda obtained four patents in 2014 (US patent-01, European patent -01 and Chinese Patent -02) in the area of fluid catalytic cracking and dry gas reduction.
2. Srikanta Dinda, P. K. Chinthala, A. Gohel, A. Yadav, S. Mandal, G. Ravichandran and A. K. Das, Process and a catalyst composition of catalyst/ additive for reducing the fluid catalytic cracking (FCC) of the fuel gas yield of the process. 2014, Pat. No: CN 103703105 A.
3. Srikanta Dinda, P. K. Chinthala, A. Gohel, A. Yadav, S. Mandal, G. Ravichandran and A. K. Das, Process and composition of catalyst/additive for reducing fuel gas yield in fluid catalytic cracking (FCC) process. 2014, Pat. No: US 20140116923 A1.
4. Srikanta Dinda, P. K. Chinthala, A. Gohel, A. Yadav, S. Mandal, G. Ravichandran and A. K. Das, Process and composition of catalyst/additive for reducing fuel gas yield in fluid catalytic cracking (FCC) process. 2014, Pat. No: EP 2729553 A1.

5. G.Ravichandran, P. K. Chinthala, T. Doshi, A. Gohel, A. Arusu, S. Mandal, A. K. Das, Srikanta Dinda A. Parekh, Fluidized catalytic cracking (FCC) catalyst additive and its preparation. 2014, Pat. No: CN 103813856 A.
6. Dr. Asma Ahmed obtained a DBT grant for the project "Bioconversion of coal rejects to bio gas and humic acid" (May 2014).
7. Dr. I. Sreedhar and Mr. B. Sreenivasulu published review article in Renewable and Sustainable Energy Reviews (Impact factor: 5.5).

IX. Faculty Development, International Collaboration & Industry Immersion

Dr. Balaji Krishnamurthy visited GE Energy Centre Bangalore as part of the Industry immersion.

X. Significant new equipments/experimental facility added during the year

1. Fixed and Fluidized bed reactor (Chemito), Rotary Microtome (Leica), Rotary Pulp digester, Benchtop Fermenter, Compression & Injection Moulding machines, High end desktop for modelling studies (HP), Refrigerated Centrifuge, Reid vapour pressure, Karl fisher Titrator, Tray fermenter, Water bath, Shaker incubator, etc.

XI. Departmental association/club activities:

Students visited International Advanced Research Centre for Powder Metallurgy & New Materials (ARCI), Kanchanbagh, Hyderabad.

XII. Major maintenance, renovations or new construction reports: NIL

XIII. Major equipments acquired during the year: NIL

B3.10.3 Chemistry

Number of faculty members

Senior Professors, Professors	3
Associate Professors	1
Assistant Professors	11
Lecturers	-
Visiting Faculty	-

Head of the Department: Dr. Anupam Bhattacharya

Contact details: anupam@hyderabad.bits-pilani.ac.in

Number of PhD Scholars: 21

Sponsored Research activities:

Ongoing projects

SL No	Project Name	Principal Investigator	Funding Agency	Sanctioned Amount (Lakhs)	Duration
1.	Photocurable organic-inorganic hybrid precursors for the fabrication of metal oxide micro/nanostructures	Ramakrishnan Ganesan	DST	26 lakhs	3years (Dec2013-Nov2016)
2.	Development of suitably customized polymers and clay based adsorbents for the effective removal of chromium from e-waste	N Rajesh	DST	43 lakhs	3 years (Aug2013-July2016)
3	Localization of flexible polymer chains on chemically heterogeneous surfaces	K Sumithra	CSIR	9 lakhs	3 years (Nov2013-Oct2016)
4	Synthesis of modified TosMIC &	Anupam	CSIR	18.10 lakhs	3 years

SL No	Project Name	Principal Investigator	Funding Agency	Sanctioned Amount (Lakhs)	Duration
	BetMIC for use as key reagents in the synthesis of boronated heterocycles	Bhattacharya			(Nov2013-Oct2016)
5	Synthesis and Biological Activity of Various Triazoles as Effective Antifungal Agents	KVG Chandra Sekar	DBT	19.6 lakhs	3 years (Nov2012-Oct2015)
6	Structure Based Rational Design and Synthesis of Mycobacterium tuberculosis inhibitors	KVG Chandra Sekar	DST	22 lakhs	3 years (Jan2014-Dec2017)
7	Ultracold Chemistry in the early universe	Subhas Ghosal	DST	21.6 lakhs	3 years (2012-2015)

Projects sanctioned during the year

SL No	Project Name	Principal Investigator	Funding Agency	Sanctioned Amount	Duration
1	Finding Aggregation-Induced Emission Active Materials: Design, Synthesis and Photophysical Studies of Sterically Hindered Triarylethenes and Tetraarylethenes	Manab Chakravarty	DST	38 lakhs	3 years
2	Syntheses and Studies of New Ferrocenylphosphonates and Related Compounds	Manab Chakravarty	UGC	12.6 lakhs	3 years
3	Photocatalytic NO _x abatement: from mechanism to material properties to catalytic performance	Sounak Roy	DST	24 lakhs	3 years
4	Towards metalloneurochemistry inside a niosome: a fluorescence spectroscopy approach	Amit Nag	DST	25 lakhs	3 years

Publications:

1. M. Barathi, A. Santhana Krishna Kumar, Chinta Uday Kumar, N. Rajesh, Graphene oxide-aluminium oxy hydroxide interaction and its application for the effective adsorption of fluoride, RSC advances, 4 (2014) 53711-53721.
2. Santhana Krishna Kumar, Chinta Uday Kumar, Vidya Rajesh, N. Rajesh, Microwave assisted preparation of n-butylacrylate grafted chitosan and its application for Cr(VI) adsorption, Int. J. Biol. Macromol. 66 (2014) 135-143.
3. Shivani Sharma, N. Rajesh, 2 mercaptobenzothiazole impregnated cellulose prepared by ultrasonication for the effective adsorption of precious metal palladium, Chem. Eng. J. 241 (2014) 112-121.
4. Manasi, Vidya Rajesh, N. Rajesh, Adsorption isotherms, kinetics and thermodynamic studies towards understanding the interaction between a microbe immobilized polysaccharide matrix and lead, Chem. Eng. J. 248 (2014) 342-351
5. B. Rajesh Kannan, S. Kalidhasan, A. Santhana Krishna Kumar, N. Rajesh, B. Harihara Venkataraman, An Integrated Use of Biopolymer-Ceramic Composites Towards Capacitor and Environmental Application, Polym. Plast. Technol. Eng. 53 (2014) 626-630.
6. M. Barathi, A. Santhana Krishna Kumar, N. Rajesh, A novel ultrasonication method in the preparation of zirconium impregnated cellulose for effective fluoride adsorption, Ultrason. Sonochem. 21 (2014) 1090-1099.
7. Manasi, Vidya Rajesh, A. Santhana Krishna Kumar, N. Rajesh, Biosorption of cadmium using a novel bacterium isolated from an electronic industry effluent, Chem. Eng. J. 235 (2014) 176-185.
8. T. Vikramaditya, M. Sai Sudhakar and K. Sumithra, "Electronic structure of α -Oligothiophenes with various substituents" Journal of Molecular Structure 1081, 114-123, 2014.
9. Garg, V. Vijayaraghavan, C.H. Wong, K. Tai, K. Sumithra, S.S. Mahapatra, L. Yao and Pravin M. Singru. Application of artificial intelligence technique for modeling elastic properties of 2-D nanoscale material, Molecular Simulation, DOI: 10.1080/08927022.2014.951351 2014.
10. T. Vikramaditya, M. Sai Sudhakar and K. Sumithra, "Adsorption of glycine in non-ionic and zwitterionic states on intrinsic and functionalized semiconducting carbon nanotubes", Journal of Computational and Theoretical Nanoscience (in Press), 2014.

11. V. Vijayaraghavan, A. Garg, C. H. Wong, K. Tai, K. Sumithra, L. Gao and S.S. Mahapatra, "On the Study of machining characteristics of 2-D nanoscale material" *Nanoscience and Nanotechnology letters* 6, 1079-1086, 2014.
12. V. Vijayaraghavan, A. Garg, C. H. Wong, K. Tai, K. Sumithra, L. Gao, "Combined CI-MD approach in formulation of engineering moduli of single layer graphene sheet" *Simulation Modeling Practice and Theory* 48, 93-111, 2014.
13. T. Vikramaditya and K. Sumithra, Effect of substitutionally boron-doped single walled semiconducting zigzag carbon nanotubes on ammonia adsorption, *Journal of Computational Chemistry* 35, 586-94, 2014.
14. T. Vikramaditya and K. Sumithra, Effect of substitutional doping on adsorption of environmentally relevant molecules on single walled carbon nanotubes, Accepted in themed issue entitled 'Doped Nano-Materials for Energy and Electronic Applications' to be published in 'Advanced Chemistry Letters'. American Scientific Publishers (ASP), 1, 1-8, 2014.
15. M. Akula, P.Z. El-Khoury, A. Nag and A. Bhattacharya. Selective Zn²⁺ sensing using a modified bipyridine complex. *RSC Advances* 2014, 4, 25605.
16. Shreya Kundu, Su Hui Lim, Ramakrishnan Ganesan, Hazrat Hussain, Mohammad S. M. Saifullah, Hyunsoo Yang, Ghim Wei Ho, and Charanjit S. Bhatia, Tunable daughter molds from a single Si master grating mold, *J. Vac. Sci. Technol. B*, 2014 32(5), 051601.
17. Gangaram Pallikonda, Manab Chakravarty and Manoj K. Sahoo. An Easy Access to α -Aryl Substituted γ -Ketophosphonates: Lewis Acid Mediated Reactions of 1, 3-diketones with α -hydroxyphosphonates and Tandem Regioselective C-C Bond Cleavage. *Organic & Biomolecular Chemistry*, 2014, 12, 7140-7149.
18. Ionel Simbotin, Subhas Ghosal and Robin Cote. Threshold resonance effects in reactive processes. *Phys. Rev. A (rapid communication)* 89 040701 (2014)
19. H.N. Nagesh, N. Suresh, G.V.S. Bhanu Prakash, S. Gupta, J.V. Rao and K.V.G. Chandra Sekhar. Design, synthesis and biological evaluation of novel phenanthridinyl piperazine triazoles via click chemistry as anticancer agents (available online: *Med. Chem. Res.* DOI: 10.1007/s00044-014-1142-6) .
20. K. Mahalakshmi Naidu, A. Suresh, J. Subbalakshmi, D. Sriram, P. Yogeeswari and K.V.G. Chandra Sekhar, P. Raghavaiah. Design, synthesis and antimycobacterial activity of various 3-(4-substituted sulfonylpiperazin-1-yl)benzo[d]isoxazole derivatives. *Eur. J. Med. Chem.* 2014, 87, 71-78.
21. H.N. Nagesh, A. Suresh, S.D.S.S. Sairam, D. Sriram, P. Yogeeswari and K.V.G. Chandra Sekhar. Design, synthesis and antimycobacterial evaluation of 1-(4-(2-substitutedthiazol-4-yl)phenethyl)-4-(3-(4-substitutedpiperazin-1-yl)alkyl)piperazine hybrid analogues. *Eur. J. Med. Chem.* 2014, 84, 605-613.
22. H.N. Nagesh, N. Suresh, K. Mahalakshmi Naidu, B. Arun, J.P. Sridevi, D. Sriram, P. Yogeeswari and K.V.G. Chandra Sekhar. Synthesis and evaluation of anti-tubercular activity of 6-(4-substitutedpiperazin-1-yl) phenanthridine analogues. *Eur. J. Med. Chem.* 2014, 74, 333-339.
23. N. Suresh, H.N. Nagesh, J. Renuka, V. Rajput, R. Sharma, I.A. Khan and K.V.G. Chandra Sekhar. Synthesis and evaluation of 1-cyclopropyl-6-fluoro-1,4-dihydro-4-oxo-7-(4-(2-(4-substitutedpiperazin-1-yl)acetyl) piperazin-1-yl)quinoline-3-carboxylic acid derivatives as anti-tubercular and antibacterial agents. *Eur. J. Med. Chem.* 2014, 71, 324-332.
24. Mahesh Akula, Jonnalagadda Padma Sridevi, P. Yogeeswari, D. Sriram and Anupam Bhattacharya. New class of anti-tubercular compounds: Synthesis and anti-tubercular activity of 4-substituted pyrrolo[2,3-c]quinolines, *Monatshefte fur chemie-chemical monthly (Springer)*, 2014, 145 (5), 811-819.
25. S. Jayanty. Synthesis, conductivity and morphology in polystyrenesulfonate templated tetrathiafulvalene polyionic polymers. *Applied Science and Advanced Materials International*, 2014, 1(2), 56-59.
26. B. Arun and S. Jayanty. Supramolecular helical self -assemblies in 1-(2-cyanophenyl piperazine) and 4-piperidinopiperidine bis-substituted tetracyanoquinodimethane fluorophores. *Dyes and Pigments*, 2014, 101, 303-311.

Conferences attended/papers presented:

- T. Vikramaditya, M. Sai Sudhakar and K. Sumithra, Effect of substituents on electronic properties of oligo- and polythiophenes, 13th Eurasia conference on chemical sciences @ Indian Institute of science, Bangalore, 14-18th December 2014.
- T. Vikramaditya, M. Sai Sudhakar and K. Sumithra, "Diagnostic test to assess the role of Functional, Solvent formalism, Basis set in determining Optical properties", 13th Eurasia conference on chemical sciences, Indian Institute of Science, Bangalore, 14-18th December 2014.

- V. R. Pooja and R. Krishnan, "Electrochemical study of bis(bipyridine)- oxalatoruthenium(II)", International Conference on Electrochemical Science and Technology, ICONEST-2014, August 7-9, Indian Institute of Science, Bengaluru, India.
- V. R. Pooja and R. Krishnan, "Controlled synthesis and characterization of (mu-oxalato)dimetal complex of nickel", International Conference on Global Opportunities for Latest Developments in Chemistry and Technology-2014, February 6-8, 2014, North Maharashtra University, Jalgaon, India.
- Nag and A. Hartschuh; "Antenna Enhanced 'Fluorescence Lifetime Imaging Microscopy (FLIM)' of Metallic Nanostructures" in the conference "Dynamics of Complex Chemical and Biological Systems" held at IIT Kanpur, Kanpur, U.P., India in February, 2014.
- Swapna Challagulla and Sounak Roy, "Synthesis and Characterization of Perovskite Materials for Photocatalytic Degradation of Methylene Blue" National Conference on Advanced Materials for Defence & Aerospace (AMDA2014), BITS Pilani Hyderabad Campus, 22.12.2014.
- Gangaram Pallikonda, Zubair Khalid, S. Akhil Raj Kumar and Manab Chakravarty, "Acid Mediated Synthesis of New ω -Ketovinyl Phosphonates and Route for Functionalized 1,3-Butadienes", 13th Eurasia conference on chemical sciences, December 14-18'2014
- Gangaram Pallikonda and Manab Chakravarty, "Synthesis of biologically relevant Sulfonamide and γ -keto phosphonates by acid mediated reactions of α -hydroxyphosphonates" International Conference on Chemical Biology, February 6-8'2014.
- Durba Roy, "Site dependent spectral densities of pigments in a simplified photosynthetic reaction center" at the DCCBS symposium in IIT-Kanpur, Feb 2014.
- Ranga Santosh and Subhas Ghosal, "Accurate rate coefficient of cold and ultracold reactions of astrophysical interest", Chemistry with Computers (CWC-2014)" held on 18-19 Jan 2014 at CSIR-IICT Hyderabad.
- Archita Sharma, Kolli Deepika, Ranga Santosh and Subhas Ghosal, "Mechanism of forward and reverse Water Gas Shift Reaction catalyzed by Fe and Ru metal carbonyl complexes: A Density Functional Theory study", "Indo-US conference on Advance Lignocellulosic Biofuels", on Nov 10-11, 2014 held at CSIR-IICT Hyderabad.
- Ranga Santosh and Subhas Ghosal, "Investigation of reaction cross sections and reaction rate coefficients for atom-diatom collisions at low temperatures", Theoretical Chemistry Symposium, 18-21 Dec 2014 at IISER Pune.
- H.N. Nagesh, A. Suresh, D. Sriram, P. Yogeewari, K.V.G. Chandra Sekhar, "A new hybrid approach for design, synthesis and evaluation of substituted phenethylthiazole derivatives as antitubercular agents", 15th Tetrahedron Symposium - Asian Edition on Challenges in Bioorganic and Organic Medicinal Chemistry organized by Elsevier at Singapore Expo, Singapore, October 28 -31st, 2014.
- K.V.G. Chandra Sekhar, A. Suresh, H.N. Nagesh, N. Suresh, K. Mahalakshmi Naidu, D. Sriram, P. Yogeewari, "Design, Synthesis and anti-tubercular activity of various Phenanthridine analogues", 3rd International Conference on chemistry for sustainable development: Indian perspective organized by Indian Council of Chemists at Dubai, United Arab Emirates, June 10-14th, 2014.
- H.N. Nagesh, K. Mahalakshmi Naidu, A. Suresh, J. Subbalakshmi, D. Sriram, P. Yogeewari, K.V.G. Chandra Sekhar, "Design, synthesis and anti-tubercular evaluation of novel benzo[d]isoxazole hybrid analogues", International conference on drugs for the Future: Infectious Diseases, Antimicrobial Drug Discovery: Challenges and perspectives DFID-2014, NIPER, Hyderabad, March 27-28th, 2014.
- K. Mahalakshmi Naidu, A. Suresh, N. Suresh, H.N. Nagesh, K.V.G. Chandra Sekhar, "Design, synthesis and in vitro antifungal evaluation of novel ciprofloxacin derivatives", 5th National seminar on Bioinformatics, Sri Venkateshwara Institute of Medical Sciences, Tirupati, February 14-15th, 2014. (Won the best paper award in poster section).
- K. Mahalakshmi Naidu, H.N. Nagesh, N. Suresh, A. Suresh, K.V.G. Chandra Sekhar, "Synthesis and evaluation of phenanthridine analogues as anti-tubercular agents", 16th CRSI Symposium in Chemistry, IIT Bombay, February 7-9th, 2014.
- A. Suresh, H.N. Nagesh, N. Suresh, K. Mahalakshmi Naidu, D. Sriram, P. Yogeewari, K.V.G. Chandra Sekhar, "Synthesis and anti-tubercular activity of 6-(4-substituted piperazin-1-yl) phenanthridine analogues", International conference on Chemical Biology, Disease mechanisms and Therapeutics (IICB-2014), Indian Institute of Chemical Technology, Hyderabad, February 6-8th, 2014.
- Rishi Vachaspathy, N. Srinivasa Rao, B. Satish, G. Balaji, "Synthesis, Characterization and Chemical Reactivity of CaO Nanoparticles", National Conference of Nanomaterials and Functional Materials, 2014 BITS Pilani, Pilani Campus November 07-08, 2014.

- N. Srinivasa Rao, Avinash Panda, Hemanth K. Narsetti, G. Balaji, R. Krishnan and Kannan Ramaswamy, Investigation of Faraday Rotation on Core-shell Fe₃O₄@Au Nanoparticles, National Conference on Advanced Materials for defense and Aerospace held at BITS-Pilani, Hyderabad Campus on 22nd December, 2014.
- Shivani Sharma, A.S.K. Kumar, R.Sudheer Reddy, N.Rajesh, A novel solid phase extraction methodology for the recovery of precious metal palladium, 16th CRSI National Symposium in Chemistry, IIT Bombay, Feb 7-9, 2014.
- Manasi, Vidya Rajesh, T.Sathvika, N.Rajesh, Removal of zinc using a novel microbe-polysaccharide adsorbent, 16th CRSI National Symposium in Chemistry, IIT Bombay, Feb 7-9, 2014.
- Mahesh Akula, Amit Nag and Anupam Bhattacharya, "Synthesis & zinc sensing activity of fused pyrrolo[2,3-c]quinoline systems", 13th Eurasia conference on chemical sciences at Indian Institute of Science, Bangalore, Department of Science and Technology (DST), 14-18th December 2014.
- S. Jayanty, T. Akutagawa and T. Nakamura, "Morphology and variable temperature conductivity study on spin-coated films of carboxymethylcellulose templated polyaniline and poly(4-styrenesulfonate) templated-carboxymethyl cellulose blend", International Conference on Advancements in Materials, Health and Safety towards Sustainable Energy and Environment (MHS-2014), August 7-8, 2014.

Invited Talks given by BITS faculty:

- N. Rajesh, Exploring the unique attributes in the interaction of heavy metals with novel polymeric adsorbents" International conference on Materials and Characterization, held at VIT, Chennai during March 10-12, 2014.
- N. Rajesh, Versatile applications of customized biopolymers to sequester heavy metals from industrial effluents, SESTEC 2014, BARC, Mumbai, India, Feb 25-28.
- Sounak Roy, "Environmental Catalysis: From Mechanism and Materials Properties to Catalytic Performance" XXXIII Annual Conference of the Indian Council of Chemists scheduled at Department of Applied Chemistry, Indian School of Mines, Dhanbad on 15-17th December, 2014.
- Durba Roy, "Modelling of Photosynthetic Reaction Centers" at the Academic Staff College for the Undergraduate and Post graduate faculties, University of Hyderabad, Sept8, 2014.
- Anupam Bhattacharya, "4-substituted pyrrolo[2, 3-c]quinoline systems: Synthetic, anti-tubercular and selective metal detection studies", invited talk during 20th ISCB international conference, held at Department of Chemistry, University of Delhi. (March 1-4, 2014).
- Jayanty Subbalakshmi, "Supramolecules: Chemistry to Technology" during the Refreshing Course at the "UGC Academic Staff College", University of Hyderabad, Gachibowli, on 9th September 2014.
- Jayanty Subbalakshmi, "Semiconducting and Optical molecular materials based on tetrathiafulvalene and tetracyanoquinodimethane and their polymer blends" at the Third International Conference on polymer processing and Characterization ICPPC 2014, M. G. University, Kottayam, Kerala 11-13th October, 2014.

Invited talks arranged in the department:

- "Controlling nuclear and electronic motion in small molecules", Prof. Harjinder Singh, IIIT-Hyderabad, 22nd September, 2014.
- "Total Synthesis of Complex Natural Products for Human Health", Dr. Debendra Kumar Mohapatra, Principal Scientist at CSIR-IICT- Hyderabad, on 11th October 2014.
- "Polymers in Water Treatment: Current Status and Future Demands", Dr. N Anbananthan, Ion Exchange Ltd., 27th October 2014.
- "Ribosome Mediated Site-Specific Incorporation of β -Amino acids into Protein", Dr. Rumi Maini, Dept. of Chemistry & Biochemistry, Arizona State University, USA, 24th November 2014.

Awards and recognitions won by faculty and students

K. Mahalakshmi Naidu (PhD student working with Dr. KVG Chandra Sekhar) won the best paper award in the poster section in 5th National seminar on Bioinformatics, Sri Venkateshwara Institute of Medical Sciences, Tirupati, February 14-15th, 2014.

Indo-US Science and Technology Forum (IUSSTF) Research Fellowship Award for the year 2013-14 to Dr. Ramkrishnan Ganesan.

Faculty Development, International Collaboration & Industry Immersion

Prof. N. Rajesh, visited University of South Dakota, USA under the university immersion scheme during summer 2014 (June-July 2014). The visit provided unparalleled opportunities to learn and share best practices related to curriculum development, teaching, and research at both the undergraduate and graduate levels.

The visit also helped in fostering research collaboration with Prof. Ranjit Koodali, University of South Dakota USA, in the development of mesoporous materials for environmental remediation.

Significant new equipments/experimental facility added during the year:

- Flash Chromatography from Yamagen
- Nitrogen glove box (Plas-Labs)

Departmental association/club activities:

Alchemy association had organised the following events during ATMOS 2014 (Annual Techno Management Fest, BITS Pilani Hyderabad campus).

1. 'Paper presentations',
2. 'CHEMHUNT',
3. 'Chemistry: Sorcery or Science'

Major maintenance, renovations or new construction reports:

A new "spectroscopy" laboratory is being built in the chemistry department. The laboratory is separated in two parts by a partition. One part consists of wet lab, sitting area & related instruments like spectrofluorometer etc. The other part is a dark room for performing LASER based applications.

The process for setting up a new Materials Chemistry Lab (B110) has been initiated. The lab will have two fume hoods to facilitate materials synthesis. There will be a workbench sufficient for 2 scholars. The lab will be equipped with a nitrogen glove box and a Gas Chromatography (GC) to support the materials synthesis and catalysis.

Major equipments acquired during the year:

Metrohm Ion chromatograph equipped with a UV and conductivity detector.

Department is in the process of procuring equipments proposed under FIST grant.

B3.10.4 Civil Engineering**Number of faculty members**

Senior Professors, Professors	2
Associate Professors	2
Assistant Professors	5
Lecturers	2
Visiting Faculty	

Head of the Department: Dr. Jagadeesh Anmala

Contact details: 040-66303545, jagadeesh@hyderabad.bits-pilani.ac.in

Number of PhD Scholars: 12

Sponsored Research activities:**Ongoing projects:**

SL No	Project Name	Principal Investigator	Funding Agency	Sanctioned Amount (Lakhs)	Duration
1.	Integrated Urban Flood Management in India: Technology- Driven Solutions	Prof. K Srinivasa Raju Prof. P.P.Mujumdar (IISc, Bangalore) Dr. Rominus Valsalam S (CDAC, Thiruvananthapuram) Prof NV Umamahesh, (NIT Warangal)	ITRA	(INR 19.00 Lakhs)	1(November 2013-October 2016)

SL No	Project Name	Principal Investigator	Funding Agency	Sanctioned Amount (Lakhs)	Duration
2	Multicriterion Analysis for Ranking of Various General Circulation Models to Study Water Resources of India	Prof. K Srinivasa Raju Prof. D. Nagesh Kumar	CSIR	16.22	(November 2012 - October 2015)
3	Fourier Analysis and Development of Two-Dimensional Finite Element Schemes for Shallow Water Equations & Transport-related Systems	Dr. Jagadeesh Anmala	DST	(INR 11.00 Lakhs)	(July 2012 – July 2015)

Publications:

- Venu Malagavelli, Rajnish Singh Parmar and P N Rao “Thermal Conductivity and Impact Resistance of Concrete Using Partial Replacement of Coarse Aggregate with Rubber” Jordan Journal of Civil Engineering, Accepted, (Vol.10.No.2, 2016)
- Venu Malagavelli, V.Navaneetha and P.N.Rao “Effect of Steel Fibers in High Strength Concrete with Silica Fume” Proceedings of National Conference on Recent Research Advances in Civil Engineering (RRACE-2014), 7-8, November-2014, organized by OU, Hyderabad.
- K.Srinivasa Raju and D.Nagesh Kumar (2014) Ranking General Circulation Models for India Using TOPSIS, Journal of Water and Climate Change, IWA Publishing, U.K, DOI:10.2166/wcc/2014.074, Article Available in Journal Home Page
- K.Srinivasa Raju and D.Nagesh Kumar (2014) Ranking of Global Climatic Models for India Using Multicriterion Analysis, Climate Research, Inter-Research Science Centre, Germany, Vol. 60, No. 2, pp. 103-117. DOI:10.3354/cr01222, Article Available in Journal Home Page
- Venkat Ramayya. V, Vinayaka Rao. V. R, Krishnaiah. S, Indigenous development and testing of rotational viscometer for bituminous binders, International Journal of Civil and Structural Engineering, Volume 4 Issue 3 2014, ISSN 0976 – 4399, pp: 286- 294
- Jagadeesh Anmala, R. H. Mohtar 2014, Analytical Evaluation of Amplification Factors, Stability and Error Analysis of Square Finite Element (FE) solution for the Kinematic Wave Shallow Water Equations (KWSWE), ASCE, *Journal of Hydrologic Engineering*, 19(9), 04014013, DOI: 10.1061/(ASCE)HE.1943-5584.0000950.
- Jagadeesh Anmala, O.W.Meier, A.J.Meier, and S. Grubbs, A GIS and an Artificial Neural Network Based Water Quality Model for a Stream Network in Upper Green River Basin, Kentucky, USA, ASCE, *Journal of Environmental Engineering*, Available online 4th November 2014.
- J. Riotte, J.C. Maréchal, S. Audry, C. Kumar, J.P. Bedimo, L. Ruiz, M. Sekhar, M. Cisel, R. Chitra Tarak, M.R.R. Varma, C. Lagane, P. Reddy, J.J. Braun, Vegetation impact on stream chemical fluxes: Mule Hole watershed (South India), *Geochimica et Cosmochimica Acta*, Available online 28 September 2014,
- Raychoudhury, T., Tufenkji, N., Ghoshal, S. (2014) Significance of straining during polyelectrolyte modified Iron nanoparticle transport in porous media. *Water Research*. 2014. 50: pp.80-89 (*Impact Factor: 4.65*)

Conferences attended/papers presented:

- Venu Malagavelli, V.Navaneetha and P.N.Rao “Effect of Steel Fibers in High Strength Concrete with Silica Fume” Proceedings of National Conference on Recent Research Advances in Civil Engineering (RRACE-2014), 7-8, November-2014, organized by OU, Hyderabad.
- K.Srinivasa Raju. D.Nagesh Kumar, Role of Performance Indicators and Multi criterion Decision Making Methods in Ranking Global Climate Models, Proceedings of Modeling Tools for Sustainable Water Resource Management, December 28-29, 2014, Hyderabad, India (Accepted)
- D.V.Morankar, K.Srinivasa Raju, A.Vasan, L.Ashoka Vardhn, Application of Particle Swarm Optimization in Multiobjective Irrigation Planning, Proceedings of Hydro 2014 International, December 18-20, 2014, Bhopal, India (Accepted)
- K.Srinivasa Raju, D.Nagesh Kumar, Application of Firefly Optimization Algorithm in Irrigation Planning, Proceedings of 4th International Conference on Hydrology and Watershed Management (ICHWAM-2014), October 29-November 1, 2014, Hyderabad, India, pp. 1196-1203.

- K.Srinivasa Raju, D.Nagesh Kumar and Sonali Pattanayak, Compromise Programming for Ranking Global Climate Models for India, Proceedings of International Conference on Sustainable Civil Infrastructure (ICSCI-2014), October 17-18, 2014, Hyderabad, India, pp.850-859 (Full Paper Published in CD-ROM).
- K.Srinivasa Raju and D.V.Morankar, Application of Cluster Validation Indices to Performance Evaluation: A Case Study, Proceedings of Two Day National Conference on Water, Environment & Society (NCWES-2014), June 30-July 1, 2014, Hyderabad, India, pp. 212-218.
- Tripathi, Satyendra and A Vasana, "*Climate Change Vulnerability Assessment Framework for Sustainable River Basin Management Approach*", Proceedings of the National Conference on "Technology, Policy and Community: Small Experiments in Sustainability" organized by Department of Humanities & Social Sciences, BITS Pilani, Hyderabad Campus, March 14-15, 2014.
- Vasana, A, Aaron Darius Vaz, Prasanth Abraham and Reshmi Nambiar, "*Optimisation of self-compacting concrete mix design using Bio-Inspired metaheuristic algorithms*", Proceedings of the International Conference on Advances in Civil Engineering and Chemistry of Innovative Materials, organized by Department of Civil Engineering, SRM University, Ramapuram Campus, March 13-14, 2014
- Rajitha K, Prakash Mohan M M and Murari R R Varma, Effect of Cirrus Cloud on Normalized Difference Vegetation Index (NDVI) and Aerosol Free Vegetation Index (AFRI): A Study Based on LANDSAT- 8 Images. Eighth International Conference on Advances in Pattern Recognition conducted by the Electronics and Communication Sciences Unit of the Indian Statistical Institute along IEEE Computational Intelligence Society and Indian Unit for Pattern Recognition and Artificial Intelligence from January 04-07, 2015 (Accepted)
- Prakash Mohan M. M., Rajitha K., Murari R. R. Varma, Design optimisation of telescopic sub-mains in Drip Irrigation System, Proceedings of International Symposium on Integrated Water Resources Management, 19-21, February 2014, CWRDM, Kozhikode, India
- Rajitha K, Prakash Mohan M M, Murari R. R. Varma, Determination of potable water availability index using remote sensing and GIS: A case study of Hyderabad City, Proceedings of International Symposium on Integrated Water Resources Management, 19-21, February 2014, CWRDM, Kozhikode, India.
- Kalyana Rama J. S, Reshmi N, Sivakumar M. V. N, Vasana A "Experimental Investigation and Numerical Validation on the Effect of NaOH Concentration on GGBS Based Self Compacting Geopolymer Concrete", Structural Engineering Convention (SEC-2014), December 22-24, 2014, IIT Delhi. (Accepted).
- Kalyana Rama J.S, Grewal B.S, "Evaluation of efficiency of Non-Destructive Testing methods for determining the strength of concrete damaged by fire", Structural Engineering Convention (SEC-2014), December 22-24, 2014, IIT Delhi. (Accepted).
- Sri Kalyana Rama J, Siva Kumar M. V. N, Vasana A, Chirag Garg, Shubham Walia, "A Review on Studies of Fracture Parameters of Self Compacting Concrete", Structural Engineering Convention (SEC-2014), December 22-24, 2014, IIT Delhi. (Accepted).
- Sudheer K, Kalyana Rama J S, Muthu Lakshmi. K., "Influence of Size Effect on Fracture properties of Concrete-Computational Approach", 5th International Congress on Computational Mechanics and Simulation (ICCMS-2014), December 10-13, 2014, CSIR-SERC. (Accepted).
- Sri Kalyana Rama J, Siva Kumar M. V. N, Vasana A, Ritesh Reddy, "A Review on Influence of superplasticizers on the strength characteristics of Self- Compacting Concrete", International Conference on Sustainable Civil Infrastructure (ICSCI-2014), October 17-18, 2014, IIT Hyderabad.
- Sanchari Thakur, Satyendra Tripathi, A. Vasana, Jagadeesh Anmala, "Reservoir inflow forecasting using Artificial Neural Networks", International Conference on Modeling Tools for Sustainable Water Resource Management, IIT Hyderabad, December 28-29, 2014.

Invited Talks given by BITS faculty

- Prof. Vasana delivered an invited lecture on "Writing a Manuscript" during the Workshop on "Research Methodology" organized by Department of Civil Engineering, BITS Pilani, Hyderabad Campus, April 11-12, 2014.
- Prof. Vasana delivered an invited lecture on "Sustainable Water Resources Planning & Management Using Nature Inspired Optimization Algorithms" during the National Conference on "Technology, Policy and Community: Small Experiments in Sustainability" organized by Department of Humanities & Social Sciences, BITS Pilani, Hyderabad Campus, March 14-15, 2014.
- Prof K.Srinivasa Raju Delivered Keynote Lecture on Multicriterion Decision Making in Sustainable Water Resources Planning and Management as part of S.N.Gupta Memorial Lecture. Hydro 2014 International, MANIT Bhopal on December 18, 2014.

- Prof K.Srinivasa Raju Delivered Keynote Lecture on Optimization Techniques in Water Resources Engineering, Workshop on Recent Trends in Water Resources Engineering, ACE College of Engineering, Hyderabad on November 1, 2014.
- Prof K.Srinivasa Raju Delivered Keynote Lecture on Role of Hydrological Models in Water Resources Planning, 4th International Conference on Hydrology and Watershed Management (ICHWAM-2014), Centre for Water Resources, JNTU, Hyderabad on October 31, 2014.
- Prof K.Srinivasa Raju Delivered Invited Lecture on Water Resources: An Overview at CVR College of Engineering, Hyderabad on August 12, 2014,
- Prof K.Srinivasa Raju Delivered Invited Lecture on Research Methodology: An Overview, During Workshop on Research Methodology, Department of Civil Engineering, Birla Institute of Technology and Science (BITS), Pilani-Hyderabad Campus during April 11-12, 2014.
- Prof K.Srinivasa Raju Delivered Invited Lecture on Learning Opportunities: Infrastructure During Practice School Orientation Program, BITS, Pilani-Hyderabad Campus on April 26, 2014 (Transmitted to Other Indian Campuses through Telepresence Facility).
- Prof K.Srinivasa Raju Delivered Invited Lecture on Research Funding Opportunities at Coastal Institute of Technology and Management, Kothavalasa Mandalam, Vizianagaram District, Andhra Pradesh on April 5, 2014.
- Prof K.Srinivasa Raju Delivered Invited Lecture on Water Resources Systems at Avanthi Engineering College, Hyderabad on March 19, 2014.
- Prof K.Srinivasa Raju Delivered Invited Lecture on Research and Funding Opportunities at Vasavi College of Engineering, Hyderabad on February 1, 2014.
- Prof K.Srinivasa Raju Delivered Invited Lecture on Multicriterion Decision Making in Climatic Modeling, Two Week Faculty Development Programme on Application of Geomatics for Disaster Management, Centre for Water Resources, JNTU, Hyderabad on January 11, 2014.

Invited talks arranged in the department:

Awards and recognitions won by faculty and students:

- Prof K.Srinivasa Raju Awarded S.N.Gupta Memorial Award for Research Contribution to the field of Water Resources Engineering by Indian Society for Hydraulics. Award was given during inaugural session of HYDRO-2014 International Conference, MANIT Bhopal on December 18, 2014. Award was given by Er M D Kudale, President, Indian Society for Hydraulics.

Faculty Development, International Collaboration & Industry Immersion:

Significant new equipment's/experimental facility added during the year:

Tri-axial equipment is added to the Soil Mechanics Laboratory

Departmental association/club activities:

Tall buildings workshop

A workshop on tall buildings was held during 21st-23rd September as a pre-ATMOS event. It involved learning about how a tall structure is erected and the physics that goes behind it. The workshop was not only restricted to theoretical knowledge, but the software taught gave us a practical knowledge of designing tall buildings. Mr. Vinay, the speaker, taught us how to use SAP2000, and as an incentive for us to learn, he conducted a competition on the third and final day of the workshop which was won by Varun Sanghavi.

BUILD IT BIGGER SCREENING

The Civil Engineering Association (CEA), on the 25th of September, organised the screening of the 'Build It Bigger' episode (source: the Science Channel) on the Chhatrapati Shivaji International Airport in Mumbai. The event was well-attended by faculty and students of Civil Engineering from all batches as well as students from other branches.

The episode discussed the need for the expansion of the airport to reduce the congestion on the existing one. The uniquely shaped mega-structure was designed in innovative ways that allowed greater strength, durability and increase in accommodation capacity.

The screening was followed by a question and answer session. The answers given to students' queries by the faculty members - Prof. Vinayak Ram VR, Prof. P.N.K. Rao, Dr. Trishiki Raychoudhury and Miss J.U.K. Aishwarya - thrilled the students about the upcoming technologies and innovations in Civil Engineering.

REVIT ARCHITECTURE WORKSHOP

The CEA organised a two-day workshop on 'Autodesk REVIT Architecture' as a pre-ATMOS event, which took place on 31st September and 1st October.

Autodesk REVIT Architecture finds application in designing structures with accurate measurements. A great variety of things used in construction - from walls and beams and flooring, to windows, grills, furniture, etc. - is available in the program. The basic reason for its usage is to create an exact virtual version of a structure before actually building it.

The workshop, conducted by Bhumit Dahiya, saw great attendance by the students, who enthusiastically learnt all the functions that were taught and also went ahead and created new structures on their own.

CANTILEVER WAY

The headliner event of the CEA in ATMOS, organised by Civil Simplified, happened across 3 days, 10th, 11th and 12th of October. The event witnessed packed rooms and participation of students both from campus and outside.

On the first day, the organisers from Civil Simplified interacted with the students and gave a presentation regarding different types of bridges. The necessary software was installed and the various relevant features were demonstrated to the students.

The next day, the students - in teams of two - were asked to design their very own bridges using their own design skills. All the related queries were comprehensively cleared by the instructor. Special attention was given to the first-year students as they had the most to learn. After completing the design, students had to fabricate it using wood sticks and gum.

The evaluation was done on the final day, 12th of October. The winning criteria for the 'Best Design' award was the efficiency of the bridge (ratio of the maximum load to mass of the bridge). Pujith Goud and Ranjit Patil walked off with the lucrative cash prize, having made a 13 gram bridge which managed to hold an 18kg weight. Teams with best innovation and best fabrication were also felicitated.

Bob The Green Builder

An event conceptualized to create awareness about the requirement of eco-friendly buildings, 'Bob - The Green Builder' was held on 10th October 2014 during ATMOS. It included planning of a non-residential institutional campus with a set of given constraints, to be constructed in a hot & dry climate anywhere in India. Everything from the feasibility of the green technology used, to optimum use of power was required. And to make the institution locally appealing it had to include local architecture and culture. Taking all these factors into account, V.Bharath Reddy, P.Shiva Kmar were determined to be the winners, by Dr. Murari R R Varma.

Urbanismo

Urbanismo was held on 11th October as a part of our technical fest ATMOS '14. Conducted by the Civil Engineering Association, Urbanismo was an open competition involving the problems and complications faced by an urban city. The objective of the event was to solve these problems - like traffic, electricity overload and water shortage - in the best and most economical way, through efficient urban planning. A problem statement was given to each of the teams and the best plans as judged by Prof. V Vinayaka Ram, came from the team of Manjeeth Kolli, Bharath Reddy Rondla, Sudeep and Taneja, who thus won the first prize.

Paper and Poster Presentation

This ATMOS, the Civil Engineering Association saw a brilliant display by the budding researchers of the college in both of its presentation events, held on 12th October - the final day of the fest. With a total of over 20 teams participating, research and poster topics ranged from precast concrete to software development in civil engineering, and even a study of the Hyderabad Metro Rail. Green building seemed to be the order of the day, however, as our eminent CEA faculty - Prof. K Srinivas Raju, Dr. Trishikhi Raychoudhury and Dr. Chandu Parimi - judged the winners of the paper presentation to be:

- 1st - Arvind Sunder (Research on bioconcrete)
- 2nd - Manjeeth Kolli and Bharath Reddy Rondla (Study of Green Buildings Revolution)
- 3rd - Ayesha Syeda (Case study on bamboo as a green building material)

Poster presentation was won by Bharath Reddy Rondla (1st) and Manjeeth Kolli (2nd), on the same topic as their paper presentation.

Major Maintenance, Renovations or New construction reports:

The meeting room D-115 has been renovated into 3 faculty cubicles.

Major Equipment's Acquired during the year:

B3.10.5 Computer Science and Information Systems**I. Number of faculty members**

Senior Professors, Professors	NIL
Associate Professors	1
Assistant Professors	6
Lecturers	6
Visiting Faculty	4

Head of the Department: Dr N L Bhanu Murthy

Contact details: 040 – 6630-3558 Email:bhanu@hyderabad.bits-pilani.ac.in

Number of PhD Scholars:

Sponsored Research activities:

Ongoing projects:

SL No	Project Name	Principal Investigator	Funding Agency	Sanctioned Amount (Lakhs)	Duration
1.	Efficient Peer-to-Peer Overlay Infrastructure for Secure Computing over the Internet	Prof. Ch. Hota	UGC	12.5	2011-2014
2	Automated Detection of Security and Privacy Threats in Peer-to-Peer Networks	Prof. Ch. Hota	DIT	61.95	2012-2015
3	Design and Development of Digital Forensic Tools for Cloud IaaS	Dr. Geethakumari	DIT	54.96	2014-2016

Projects sanctioned during the year

SL No	Project Name	Principal Investigator	Funding Agency	Sanctioned Amount	Duration
1	Design and Development of Digital Forensic Tools for Cloud IaaS	Dr. Geethakumari	DIT	54.96	2014-2016

Publications: Journals:

- Kayiram Kavitha, Vinod P, Sreeja T and Dr.R.Gururaj, "Energy Efficient Query Processing for WSN based on data Caching and Query Containment", International Journal of Computer Applications (0975 – 8887) Volume 89– No.19, March 2014 , pp 09-14
- PeerShark: Flow-clustering and conversation-generation for malicious peer-to-peer traffic identification, Pratik Narang, Chittaranjan Hota and V N Venkatakrishnan, EURASIP Journal on Information Security 2014, 2014:15, October 2014
- Hybrid Multi-objective WorkFlow Scheduling on Utility Grids, Sunita Bansal, and Chittaranjan Hota, INFOCOMP Journal of Computer Science, Brazil, Vol.13(1), June 2014, pp.12-20, June 2014.
- Big Data Analytics Framework for Peer-to-Peer Botnet Detection using Random Forests, K Singh, Sharath Chandra G, A Thakur, and Chittaranjan Hota, Information Sciences Journal, Elsevier, Vol. 278, 2014, pp. 488-497
- Agrima Srivastava and G Geethakumari, "Privacy Landscape in Online Social Networks", Accepted for publication in the International Journal of Trust Management in Computing and Communications, Inderscience Publishers, ISSN online: 2048-8386, ISSN print: 2048-8378, 2014.
- Digambar Powar, Saibharath, G.Geethakumari, "Real-time digital forensic triaging for cloud data analysis using MapReduce on Hadoop framework", Accepted for publication in the International Journal of Electronic

Security and Digital Forensics, Inderscience Publishers, ISSN: 1751-911X (Print), ISSN: 1751-9128 (Online), 2014.

- KP Krishna Kumar, Agrima Srivastava and G Geethakumari, "A Psychometric Analysis of Information Propagation in Online Social Networks using Latent Trait Theory", Journal of 'Computing', Springer publishers, 2014.
- K P Krishna Kumar and G Geethakumari, "Analysis and Modeling of Semantic Attacks in Online Social Networks", International Journal of Trust Management in Computing and Communications (IJTMCC), ISSN: 2048-8378 (Print), 2048-8386 (Online), 2014, Inder Science Publishers.
- Digambar Powar and G Geethakumari, "A Heuristic Model for performing Digital Forensics in Cloud Computing Environment", Security in Computing and Communications: Springer, Communications in Computer and Information Science, Volume 467, 2014, pp 341-352.
- K P Krishna Kumar and G Geethakumari, "Detecting Misinformation in Online Social Networks using Cognitive Psychology", Springer Journal: Human-centric Computing and Information Sciences - HCIS-D-14-00002, 2014.
- K P Krishna Kumar and G Geethakumari, "A Taxonomy for Modeling and Analysis of Diffusion of (mis)information in Social Networks", International Journal of Communication Networks and Distributed Systems, Inderscience Publishers, Vol 13, No.2, 2014, pp 119 -143.

Conferences attended/papers presented:

- D Radha Rani and G Geethakumari, "An Efficient Approach to Forensic Investigation in Cloud Using VM Snapshots", Accepted at the IEEE International Conference on Pervasive Computing (IEEE ICPC 2015), January 8 – 10, 2015, India, Proceedings in IEEE Explore.
- Meera G and G Geethakumari, "A Provenance Auditing Framework for Cloud Computing Systems", Accepted at the IEEE International Conference on Signal Processing, Informatics, Communication and Energy Systems 2015, (IEEE SPICES 2015), February 19-21, 2015, India, Proceedings in IEEE Explore.
- B K S P Kumar Raju and G Geethakumari, "A Digital Forensic Model for Introspection of Virtual Machines in Cloud Computing", Accepted at the IEEE International Conference on Signal Processing, Informatics, Communication and Energy Systems 2015, (IEEE SPICES 2015), February 19-21, 2015, India, Proceedings in IEEE Explore.
- Meera G, B K S P Kumar Raju and G Geethakumari, "A strategy for enabling forensic investigation in cloud IaaS", Accepted at the 2015 IEEE International Conference on Electrical, Computer and Communication Technologies, – IEEE ICECCT 2015, March 05-07, 2015, India, Proceedings in IEEE Explore.
- B K S P Kumar Raju and G Geethakumari, "A Model for Trust Enhancement in Cloud Computing", Proceedings of the IEEE International Conference on Computing and Communication Technologies – ICCCT2014, December 11-13, 2014, India, Proceedings in IEEE Explore.
- B K S P Kumar Raju and G Geethakumari, "A Novel Approach for Incident Response in Cloud Using Forensics", Proceedings of the ACM COMPUTE 2014, October 9-11, 2014, India; Proceedings in ACM Digital Library.
- Saibharath S and G Geethakumari, "Design and Implementation of a forensic framework for Cloud in Openstack cloud platform", Proceedings of the IEEE International Symposium on Cloud Computing: Architecture, Applications and Approaches (CCA-2014), September 24-27, 2014, India; IEEE Explore and A & I Databases.
- Agrima Srivastava and G Geethakumari, "Quantifying direct trust for private information sharing in an Online Social Network", Proceedings of the International Symposium on Intelligent Informatics (ISI'14), September 24-27, 2014, India; Proceedings in the Journal Advances in Intelligent and Soft Computing (Springer) Series.
- Agrima Srivastava and G Geethakumari, "A Privacy Settings Recommender System for Online Social Networks", Proceedings of the IEEE International Conference on Recent Advances & Innovations in Engineering" - (ICRAIE-2014), May 09-11, 2014, India.
- Agrima Srivastava, K P Krishna Kumar and G Geethakumari, "Preserving privacy in online social networks using the graph structural analysis", Proceedings of the International Conference on Advances in Computing, Communications and Information Science, ACCIS - 14, June 26 - 28, 2014, India. Proceedings in Elsevier India.
- K P Krishna Kumar, G. Geetha Kumari and Agrima Srivastava, "Preventing Disinformation Cascades using Behavioural Trust in Online Social Networks", Proceedings of the International Conference on Advances in Computing, Communications and Information Science, ACCIS - 14, June 26 - 28, 2014, India. Proceedings in Elsevier India.

- K P Krishna Kumar and G Geethakumari, "Identifying Sources of Misinformation in Online Social Networks", Proceedings of the International Symposium on Signal Processing and Intelligent Recognition Systems, (SIRS-2014), March 13-15, 2014 Technopark, Trivandrum, India, Proceedings in Springer Series: Advances in Intelligent and Soft Computing Journal, Special Volume, pp 417 - 428, Best paper award.
- K P Krishna Kumar and G Geethakumari, "Analysis of Semantic Attacks in Online Social Networks", Proceedings of the International Conference on Security in Computer Networks and Distributed Systems (SNDS-2014), March 13-14, 2014 Technopark, Trivandrum, India, Proceedings in Springer Series: Communications in Computer and Information Science Series (CCIS), ISSN: 1865:0929
- Mr. Digambar Powar attended an International conference on Information Systems Security, at IDRBT, Hyderabad during 16 - 17th, December 2014
- Dr. Gururaj attended an International Conference on Management of Data- 2014 (COMAD-14), held at IIITH, Hyderabad, 17 -19, Dec'2014
- Game-theoretic Patrolling Strategies for Intrusion Detection in Collaborative Peer-to-Peer Networks, Pratik Narang, Kunal Mehta, and Chittaranjan Hota, International Conference on Secure Knowledge Management in Big Data Era (SKM 2014), Dubai, Dec 2014
- S Gokul Kannan, and Chittaranjan Hota, Efficient Detection of Malwares using Low-interaction Honeypots, National Conference on Intelligent Systems, Computing and Information Technology (NCICIT'14), 4th-5th April 2014, Anna University, Tiruchirappalli, TN, India, April, 2014
- HaDeS: A Hadoop-based Framework for Detection of Peer-to-Peer Botnets, Pratik Narang, A Thakur, and Chittaranjan Hota, 20th International Conference on Management of Data (COMAD 2014), Demo and Poster Track, Hyderabad, Dec 2014
- Efficient Cooperative Spectrum Sensing in Cognitive Radio using Coalition Game Model, Balaji Venkat, and Chittaranjan Hota, IEEE International Conference on Contemporary Computing and Informatics (iC3I), Mysore, IEEE Xplore, Nov 2014
- Designing an Extensible Communication Platform for Rural Area, Abhishek Thakur, and Chittaranjan Hota, 3rd International Conference on Advances in Computing, Communications and Informatics (ICACCI 2014), New Delhi, Sept 2014.
- Machine-learning Approaches for P2P Botnet Detection using Signal-processing Techniques, Pratik Narang, Vansh Khurana, and Chittaranjan Hota, 8th ACM International Conference on Distributed Event-Based Systems (DEBS'14), ACM SIGMOD/SIGSOFT, Mumbai, India, pp. 338-341, May 2014
- PeerShark: Detecting Peer-to-Peer Botnets by Tracking Conversations, Pratik Narang, Subhajit Ray, Chittaranjan Hota, and Venkat Venkatakrishnan, 35th IEEE Symposium on Security and Privacy (IEEE S&P 2014, IWCC), San Jose, CA, May 2014.
- Dr. Geethakumari attended an International Conference on Security in Computer Networks and Distributed Systems (SNDS-2014), March 13-14, 2014 Technopark, Trivandrum, India.
- Dr. Geethakumari attended an International Conference on Information System Security (ICISS 2014), Dec 16-20, 2014, Hyderabad, India
- Toward Predictable Batch Systems Using What-If Analysis, Puskar Gupta†, Aruna Malapati, Maitreya Natu, Vaishali Sadaphal, HiPC2014
- Smart Triggers: Using Analytic for Smart Alerting, Praveen Venkateswaran†, Aruna Malapati, Maitreya Natu, Vaishali Sadaphal HiPC20 14

Invited Talks given by BITS faculty:

- Dr. Gururaj, resource person for training faculty of MLR Group of Institutions, Hyd, in DBMS, as part of Faculty Development Program, held at MLR Institute of Technology (under JNTUH), Dates: 22nd and 23rd, Dec 2014
- Mr. Digambar Powar, invited speaker for a Guest lecture on "Advances in distributed computing" at Vasavi College of Engineering, Hyderabad, march, 2014
- Dr. Ch. Hota, Tutor for a tutorial on "Bigdata Analytics: Challenges and Approaches" at IEEE ICCCT 2014, College of Engineering, Osmania University, Hyderabad, 11th Dec 2014
- Dr. Ch. Hota was invited speaker at CR Rao Advanced Institute of Mathematics, Statistics and Computer Science, University of Hyderabad, Hyderabad in August 2014
- Dr. Ch. Hota was invited speaker at School of Computing, National University of Singapore (NUS), Singapore in May 2014

- Dr. Ch. Hota conducted a workshop on "Network threat exploration: Deep packet inspection or Machine learning?" at Indian Institute of Technology, Kanpur during Feb, 2014
- Dr. Aruna, invited talk on "Big data using hadoop", Faculty Development Programme, Srinidhi Engineering College on 16/12/2014
- Dr. Aruna, invited talk on "Web Mining" Andhra University 18/12/2014 National workshop

Invited talks arranged in the department:

- Dr. Geethakumari delivered a lecture on the topic "Cyber Security Landscape in the Internet of Things", Oct, 2014

Awards and recognitions won by faculty and students

- (a) Dr. G Geethakumari and Mr. Digambar Powar received a funded project from DIT, MCIT, Govt with a funding to the tune of Rs 55 lacs in the area forensics in cloud computing
- (b) K P Krishna Kumar and G Geethakumari received the Best paper award at the International Symposium on Signal Processing and Intelligent Recognition Systems, (SIRS-2014), March 13-15, 2014 Technopark, Trivandrum, India

Faculty Development, International Collaboration & Industry Immersion:

Mr. Digambar Powar participated in "Faculty Residency Program on Cloud Computing" organized by IBM, Pune, during June 25 - June 27, 2014

Mr. Gokul Kannan participated in "Cyber Security Workshop" held at IBM Innovation Center, Bangalore during 4th-6th June, 2014

Significant new equipments/experimental facility added during the year:

- Procured rack servers (3 no.s) and other networking equipment and set up a private cloud Test bed.

Departmental association/club activities:

- Farewell for outgoing students
- Python Workshop for all batch students - March 22nd – 23rd, 2014
- ATMOS Events/Workshops (Googled, Augmented Reality Workshop, Obfuscated Code Challenge (OCC))
- ATMOS Events/Workshops (Paper presentation in collaboration with CS Association) Java Programming Workshop (for first year students)
- Batch photograph

Major maintenance, renovations or new construction reports**Major equipments acquired during the year:**

B3.10.6 Electrical and Electronic Engineering**Number of faculty members**

Senior Professors, Professors	2
Visiting Professor	1
Associate Professors	0
Assistant Professors	7
Lecturers	8
Visiting Faculty	1
Guest Faculty	2

Head of the Department : Prof. Y.Yoganandam
Contact details : 40 6630 3569
Email : yogi@hyderabad.bits-pilani.ac.in

Number of PhD Scholars :

Full-time PhD Scholars : 15
 Faculty (PhD registered) : 8
 External PhD registrants : 5

Sponsored Research activities:**Projects sanctioned during the year**

SL No	Project Name	Principal Investigator	Funding Agency	Sanctioned Amount	Duration
1.	Placement of FACTS device: Interline Power Flow Controller, in Multi-machine Power System to increase the power system stability Sanctioned in September 2012	Alivelu Manga Parimi	RIG (BITS Pilani)	Rs. 2Lakhs	Two years

Publications:

- Srinivasa Reddy Kotha, Subhendu Kumar Sahoo, An approach for FIR filter coefficient optimization using differential evolution algorithm, AEU - International Journal of Electronics and Communications (Elsevir), Available online 8 August 2014, ISSN 1434-8411, <http://dx.doi.org/10.1016/j.aeue.2014.07.019>.
- AV Pavan Kumar, Alivelu M Parimi, K Uma Rao, "A Comparative Study of Model Based Design of PV cell in MATLAB/Simulink/Simscape" International Journal of Advanced Trends in Computer Science and Engineering, Vol. 3 , No.1, Pages : 37 - 42 (2014)
- Parimita Mohanty, G.Bhuvaneswari and R.Balasubramanian "MATLAB Based Modelling to Study the Performance of Different MPPT Techniques Used for Solar PV System Under Various Operating Conditions" Accepted for Publication in Renewable and sustainable energy review, Elsevier, (2014), pp. 581-593. DOI information: 10.1016/j.rser.2014.06.001
- R.R.Chilipi, B.Singh, S.S.Murthy, Sandeep M., G.Bhuvaneswari "Design and Implementation of Dynamic Electronic Load Controller for three-phase self-excited induction generator in remote small-hydro power generation" IET Renewable Power Generation UK, Vol 8 Issue 3, 2014 Pages 269-280
- Shikha Singh, G.Bhuvaneswari and Bhim Singh "Analysis and Design of bridgeless switched mode power supply for computers" Journal of IE(I), Springer, India, June 2014 (published on-line)
- Rajagopalan V, and Erik P. Pioro. "Distinct patterns of cortical atrophy in ALS patients with or without dementia: An MRI VBM study." Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration 0 (2014): 1-10.

- Genova, H. M., Rajagopalan V., Chiaravalloti, N., Binder, A., Deluca, J., & Lengenfelder, J. (2014). Facial affect recognition linked to damage in specific white matter tracts in traumatic brain injury. *Soc Neurosci.* 2015 Feb;10(1):27-34. doi: 10.1080/17470919.2014.959618. Epub 2014 Sep 16..
- Rajagopalan V, Pioro EP, "Comparing brain structural MRI and metabolic FDG-PET changes in patients with ALS-FTD: 'the chicken or the egg?' question" *J Neurol Neurosurg Psychiatry.* 2014 Dec 17. pii: jnnp-2014-308239. doi: 10.1136/jnnp-2014-308239. [Epub ahead of print]
- Cai B, Allexandre D, Rajagopalan V, Jiang Z, Siemionow V, Ranganathan VK, Davis MP, Walsh D, Dai K, Yue GH "Evidence of Significant Central Fatigue in Patients with Cancer-Related Fatigue during Repetitive Elbow Flexions till Perceived Exhaustion", *PLoS One.* 2014 Dec 22;9(12):e115370. doi: 10.1371/journal.pone.0115370. eCollection 2014

Conferences attended/papers presented:

- Phaneendra, P.S.; Vudadha, C.; Sreehari, V.; Srinivas, M.B., "An Optimized Design of Reversible Quantum Comparator," 27th International Conference on VLSI Design and 2014 13th International Conference on Embedded Systems, 2014 , vol., no., pp.557,562, 5-9 Jan. 2014.
- Varma, Ch, Syed Ershad Ahmed, and M. B. Srinivas. "A Decimal/Binary Multi-operand Adder Using a Fast Binary to Decimal Converter." In *VLSI Design and 2014 13th International Conference on Embedded Systems, 2014 27th International Conference on*, pp. 365-368. IEEE, 2014.
- Syed Ershad Ahmed, Edwin Anthony, Abhilash Srinivasan , M.B.Srinivas . " A Family of Ling Based Fault Tolerant Adders." In *Proceedings of the 7th IEEE/ACM Workshop on Variability Modeling and Characterization*, Nov. 2014, San Jose, California.
- Soumya Ganguly, Abhishek Mittal, Syed Ershad Ahmed and M.B.Srinivas. "A Unified Flagged Prefix Constant Addition-Subtraction Scheme for Design of Area and Power Efficient Binary Floating-Point and Constant Integer Arithmetic Circuits." *IEEE Asia Pacific Conference on Circuits and Systems (APCCAS), 2014, 17-20 Nov. 2014, Ishigaki Island, Okinawa, Japan.*
- Subhankar Pal, Chetan Vudadha, Sai Phaneendra P, Sreehari Veeramachaneni and Srinivas Mandalika, "A New Design of an n-bit Reversible Arithmetic Logic Unit", *International Symposium on Electronic System Design (ISED), 2014, 15-17 Dec. 2014*
- Prasant Kumar Pattnaik and vellaluru Neharika, "Temperature insensitive Optical MEMS Pressure Sensor using Long Period Gratings on a Circular Diaphragm", Paper no. WA-P35, *IEEE International Conference on Optical MEMS and Nano Photonics, 17-21 August 2014, Glasgow, UK.*
- K. Narayan, P.K.Pattnaik, D.B Ghare and T. Srinivas, "Analysis of Optofluidic Coupling for Integrated Lab-on-a-chip Application, Paper No.89, *IEEE Healthcare Innovation and Point-Of-Care Technologies, IEEE HIT POCT 2014, 8-10 October 2014, Seattle, Washington, USA.*
- Prasant Kumar Pattnaik and vellaluru Neharika, "Novel Optical MEMS Pressure Sensors incorporating Waveguide Bragg Gratings on Diaphragms", Paper ID 1913, *IEEE International Conference on Sensors, IEEE SENSORS 2014, 2-5 November 2014, Valencia, Spain.*
- Prasant Kumar Pattnaik and Vellaluru Neharika, "Novel Optical MEMS Pressure Sensor Based on Tilted Gratings, 12th International Conference on Fiber Optics and Photonics, PHOTONICS 2014, 13-16 December 2014, IIT Kharagpur, India.
- Prasant Kumar Pattnaik, Vellaluru Neharika and K. Narayan, "Temperature Insensitive Optical MEMS Pressure Sensor", Paper No. APOM1003, *International Conference on MEMS and Sensors, ICMEMSS 2014, 18-20 December 2014, IIT Madras, Chennai, India*
- Srinivas Reddy Kotha, Sumit Bajaj and Subhendu Kumar Sahoo "An LUT Based RNS FIR Filter Implementation for Reconfigurable Applications" 18th International Symposium on VLSI Design and Test (VDAT 2014), IEEE, Coimbatore, India.
- Srinivas Reddy Kotha, Devendra Bilaye, Utkarsh Jain and Subhendu Kumar Sahoo "An Approach for Efficient FIR Filter Design for Hearing Aid Application" 18th International Symposium on VLSI Design and Test (VDAT 2014), IEEE, Coimbatore, India.
- Koushik Kumar, Chittineni Sahithi, Rasmita Sahoo and Subhendu Kumar Sahoo, "Ultra Low Power Full Adder Circuit Using Carbon Nanotube Field Effect Transistor" Accepted in *IEEE International Conference on Power, Control and Embedded Systems To be held at NIT Allahabad on 26th to 28th December 2014*
- Apurva Kumari, Philip Joseph Thomas and S K Sahoo, "Single Image Fog Removal Using Gamma transformation and median filtering" *IEEE INDICON 2014, 11th to 13th December 2014.*
- Kotha, S.R.; Vij, S.; Sahoo, S.K., "A study on strategies and Mutant factor in differential evolution algorithm for FIR filter design," *Signal Processing and Integrated Networks (SPIN), 2014 International Conference on* , vol., no., pp.50,55, 20-21 Feb. 2014

- Kotha, S.R.; Singhvi, A; Sahoo, S.K., "A New Approach for High Performance RNS-FIR Filter Using the Moduli Set $\{2^{k-1}, 2^k, 2^{k-1}-1\}$ " 2014 IEEE Symposium on Computer Applications & Industrial Electronics (ISCAIE 2014), vol., no., pp.151,155, 7-8 Apr. 2014.
- Srinivasa Reddy Kotha, Sumit Bajaj, Sahoo Subhendu Kumar "An RNS Based Reconfigurable FIR Filter Design Using Shift and Add Approach" proceedings of 2014 9th International Symposium on Communication Systems, Networks & Digital Sign (CSNDSP), Manchester, United Kingdom, vol., no., pp.640,645, 23-25 Jul. 2014
- Kotha Srinivasa Reddy, Rahul Patel, Tushar Gupta, Subhendu kumar Sahoo, "A Modified Approach for Reconfigurable FIR Filter Architecture" IEEE TENCON-2014, Bangkok, Thailand
- Kotha Srinivasa Reddy, Sumit Bajaj, Subhendu Kumar Sahoo, "Shift Add Approach Based Implementation of RNS-FIR Filter using Modified Product Encoder" IEEE TENCON-2014, Bangkok, Thailand
- Rasmita Sahoo, Subhendu Kumar Sahoo and Krishna Chaitanya Sankisa, "Design of an Efficient CNTFET using Optimum Number of CNT in Channel Region for Logic Gate Implementation" Accepted in IEEE International Conference on VLSI Systems, Architecture, Technology and Applications (VLSI – SATA 2015) to be held in Bangalore from January 8 – 10, 2015.
- "Natural vs Manmade scene classification using Statistics of straight lines" Vimal S.P. G.Bharat, Vinod P. Arshdeep Singh Takkar and P.K.Thiruvikraman, pp 1015-1020, International Conference on Advances in Computing, Communications and Informatics (ICACCI, 2014)
- R. Nittala, A. M. Parimi, K. Uma Rao, "A New Approach for Replenishing DC Link Energy for Interline Dynamic Voltage Restorer to Mitigate Voltage Sag", accepted in IEEE 5th International Conference on Intelligent & Advanced Systems (ICIAS2014), June 2014.
- AV Pavan Kumar, Aivelu M Parimi, K Uma Rao, "Performance Analysis of a Two-Diode model of PV cell for PV based generation in MATLAB", IEEE International Conference on Advanced Communication Control & Computing (ICACCCT), May 8-10th, 2014 Chennai, India
- AV Pavan Kumar, Aivelu M Parimi, K Uma Rao, "A Comparative Study of Model Based Design of PV cell in MATLAB/Simulink/Simscape", Proceeding Of ICETETS 2014, ISBN 978-93-5156-218-4.
- Kirti Mathuria, Arun Verma, B.Singh and G.Bhuvaneswari "Modified Series Compensation for Voltage Sag / Swell Mitigation" Accepted for Presentation in IEEE conference IICPE, December 2014
- Swati Narula, G.Bhuvaneswari and Bhim Singh "A PFC Based Power Quality Improved Bridgeless Converter for Welding Applications" Accepted for Presentation in IEEE Power India Conference, December 2014
- Swati Narula, Bhim Singh and G.Bhuvaneswari "Bridgeless Single-Ended Primary Inductance Converter with Improved Power Quality for Welding Power Supplies" Accepted for presentation in IEEE IICPE Conference, December 2014
- Shikha Singh, Bhim Singh and G.Bhuvaneswari "Improved power quality SMPS for Computers using bridgeless PFC converter at front end" accepted for presentation in IEEE IICPE conference, December 2014
- Shikha Singh, G.Bhuvaneswari, B.Singh and V.Bisht "A power quality improved bridgeless converter based computer power supply" accepted for presentation in IEEE Power India Conference, December 2014.
- B.Singh, G.Bhuvaneswari, Kirti Mathuria, Arun Verma, Rajan Kumar, A.Chandra, Kamal Al-Haddad "Performance Analysis of a Common DC Link Series Active Compensator Integrated with Double Series Diode Rectifier" accepted for presentation in NPSC 2014
- G.Bhuvaneswari, B.Singh and Sandeep Madishetti "Vienna Converter for Three-Level Inverter Fed Induction Motor Drive" Accepted for presentation in IEEE Power India Conference December 2014.
- Stuty Kumari and G.Bhuvaneswari "Voltage regulation of a stand-alone Three-phase SEIG feeding Single-phase loads" presented in IEEE SCEECs conference, March 2014
- Shikha Singh, G.Bhuvaneswari and B.Singh "Power factor corrected SMPS using Sheppard-Taylor Converter" presented in IEEE Conference SCEECs March 2014
- Swati Narula, G.Bhuvaneswari, B.Singh "Isolated Bridgeless converter for welding power supply with improved power quality" presented in IEEE SCEECs conference, March 2014
- "Comparison of performance in P3HT:PCBM bulk heterojunction organic solar cells of different thickness", A.Saradhi, B.V.V.S.N Prabhakar Rao, IEEE CONECCT 2014, Jan 6-7 2014
- SS Harikiran reddy; Madhuri Bayya; UM Rao; BVSSN Prabhakar Rao., Zigbee based prioritized load management for submarines. International Conference on Standards for Smart Grid Ecosystem, CPRI Bangalore, March 6-7 2014.

- Kaushik, M.K.; Kalyan, P.V.; satpathi, D.K .; Yoganandam, Y., "Evaluation of spectrum usage based on peak excursion,using an off the shelf spectrum analyzer," GCWCN, 2014 IEEE Global conference on wireless computing & Networking 22-24 Dec. 2014

Conferences and Seminars Attended by Faculty:

- IEEE International Conference on Optical MEMS and Nanophotonics, 17-21 August 2014, Glassgow,Scotland
- IEEE International Conference on Sensors, IEEE SENSORS 2014, 2-5 November 2014, Valencia, Spain
- International confefence on Fiber Optics and Photonics, PHOTONICS 2014, IIT Kharagpur 13-16 December 2014
- International Conference on MEMS and Sensors, ICMEMSS 2014, 18-20 December 2014, IIT Madras, Chennai, India
- International Conference on Intelligent & Advanced Systems (ICIAS2014), Malaysia, June 2014

Workshops / Seminars Conducted by department:

"National Seminar on Indian Space Technology-Present and Future (NSIST-2014)", 1st May 2014

Invited Talks given by BITS faculty:

- "Emerging Trends in Power Systems" Lecture given by Alivelu Manga Parimi in Vasavi Engineering College, Hyderabad
- "Power Quality Problems and Possible Solutions" – A talk under the aegis of IEEE Hyderabad section on 29th Nov 2014 by Prof. G. Bhuvaneswari.
- "HVDC Transmission systems – classification, configuration and control aspects" – A lecture on Sept 18, 2014 in a workshop on "HVDC and FACTS devices" in CBIT, Hyderabad, by Prof. G. Bhuvaneswari.

Invited talks arranged in the department:

Antenna Design for Wireless Sensor Nodes Comprising Carbon Nano-Sensors by Krishna Naishadham, School of Electrical and Computer Engineering, Georgia Institute of Technology, Atlanta, Georgia, USA, Date: 7th November 2014,

Awards and recognitions won by faculty and students

- Students Project titled "Smart Floor cleaning bot" was shortlisted for Phase 1 of "Texas Instruments Innovation Challenge India Analog Design Contest 2014"
- Also Project titled "Step towards smart cities-Real Time traffic Control and optimization system" shortlisted in Texas instruments innovation challenge 2014-2015
- Alivelu M Parimi, BOS member for Vasavi Engineering College, Hyderabad
- Student Third prize for SOP project work presented in Technical presentation in Quark 2014
- Best paper award for conference paper AV Pavan Kumar, Alivelu M Parimi, K Uma Rao, "A Comparative Study of Model Based Design of PV cell in MATLAB/Simulink/Simscape", Proceeding Of ICETETS 2014, Hyderabad.
- BITSAA travel grant was awarded to Ms. Neeharika Velleluru for presenting paper at IEEE Optical MEMS Conference held at Glassgow, Scotland in 17-21 August 2014.
- DST travel grant was awarded to Ms. Neeharika Vellaluru for presenting paper at IEEE SENSORS 2014, 2-5 November 2014, Valencia, Spain

Faculty Development, International Collaboration & Industry Immersion

- Dr. Alivelu and Dr. Pattnaik participated in the Industry Immersion program at Seimens, Mumbai during summer 2014.
- Letter of Intent between BITS Pilani Hyderabad and University Technology Petronas, Malaysia for research collaboration was received.

Significant New Equipment /Experimental Facility added during the year:

Sl.No	Name of Lab	To cater for	Number of Setups	Number of students per session	Cost of the equipment	Remarks
1	Communication Systems (D-311)	3rd Year Students	22	66	Up graded from 18 setups to 22 setups with a cost of Rs.3.20 lakhs	This lab runs 4 afternoons a week
2	Analog Electronics (D-311)	3rd Year Students	22	66	Up graded from 18 setups to 22 setups with a cost of Rs.0.52 lakhs	This lab runs 4 afternoons in a week
3	Microwave Lab (D-313)	3rd Year Students	15	45	Up graded with ANSYS Academic Teaching HFSS Software & additional requirement with cost of Rs. 10.06 lakhs	This lab runs 3 afternoons a week
4	Digital Electronics (D-329)	2nd Year Students	26	78	Up graded from 20 setups to 26 setups & V-GURU SOFTWARE with a cost of Rs. 0.8 Lakhs	This lab runs 7 sessions in a week
5	Microprocessor & Interfacing (D-329)	2nd Year Students	26	80	Up graded from 20 setups to 26 setups & Aurdino, GPRS & GPS kits with a cost of Rs. 1.23 Lakhs	This lab runs 6 sessions in a week
6	Digital Signal Processing HW (D-224)	3rd Year Students	25	75	Up graded from 20 setups to 25 setups & 2 nos. DSP LAB KIT'SDM 6437 v5.5 with cost of Rs. 3.81 Lakhs	This lab runs 4 sessions per week
7	Microelectronic Circuits (D-224)	2nd Year Students	25	75	Up graded from 20 setups to 25 setups with a cost of Rs. 0.47 Lakhs	This lab runs 4 sessions in a week
8	Electrical Machines (B-001)	2nd Year Students	30	72	Up graded from 25 setups to 30 setups & Induction Motor, Universal Motor & Audio System with a cost of Rs.4.03 Lakhs	This lab runs 5 sessions in a week
9	Power electronics labs(E-221)	3rd Year Students	20	40	Up graded with SCR, GIBT & Power Module with a cost of Rs. 19.50 Lakhs	This lab runs 4 sessions per week
10	Control Systems (E-210)	2nd Year Students	15	45	No Purchases in 2014 (Total Cost Rs.74.66 Lakhs)	This lab runs 6 sessions per week
11	Instrumentation Lab (E-210)	3rd Year Students	19	45	NI MULTISIM 25 users and ULTIBOARD 25 users with a Cost Rs.6.72 Lakhs	This lab runs 1 session per week
12	VLSI CAD Lab	Projects	25	25	HPC & mentor Graphics Software with cost of Rs.	For projects

Sl.No	Name of Lab	To cater for	Number of Setups	Number of students per session	Cost of the equipment	Remarks
					10.67 Lakhs	

Departmental association/club activities:

- Organized "Texas Instruments analog design contest: College level" at BITS-Pilani, Hyderabad Campus
- Exhibition of projects of INSTR 3rd year students on 21st Nov 2014
- Conducted seven competitions during ATMOS 2014
- Workshop on Lab View was conducted by professionals from National Instruments
- An interactive session on "Carrer in the Electronics Industry" by alumni from Qualcomm and Redpine signals was held on 15th November
- A team from our department participated in CANSAT held in Texas, USA organised by IAA during June 2014

Major Maintenance, Renovations or New Construction Reports**Major Equipment Acquired during the year:**

Sl.No	Name of Equipment	Cost of the equipment
1	Digital Electronics kits	0.60 Lakhs
2	V-GURU SOFTWARE for Digital Electronics	0.22 Lakhs
3	HPC & Mentor Graphics Softwares	10.67 Lakhs
4	Analog Electronics Kits	0.52 Lakhs
5	Microelectronic Circuits Kits	0.47 Lakhs
6	Aurdino, GPRS & GPS kits SIM900A GSM GPRS Shield for Arduino / eNTuino, GPS Shield With Antenna for Arduino/ eNTuino for Microprocessor Lab	1.23 Lakhs
7	DSP LAB KIT'S DSK 6713 v3.1 & DM 6437 v5.5	3.81 Lakhs
8	NI Circuit Design Bundle consists of MULTISIM 25 users and Ultiboard 25 users	6.72 Lakhs

B3.10.7 Economics & Finance**Number of faculty members**

Senior Professors, Professors	01
Associate Professors	01
Assistant Professors	05
Lecturers	01
Visiting Faculty	03

Head of the Department: Prof.Ramana Sonti

Contact details: 040-6630-3652; Email: ramana@hyderabad.bits-pilani.ac.in

Number of PhD Scholars: 03

Sponsored Research activities: NIL

Ongoing projects:

Publications:

1. Pathak, D C & Srijit Mishra: Poverty Estimates in India: Old and New Methods, 2004-05, Poverty and Public Policy, forthcoming.
2. Sudatta Banerjee and Amrita Roy, Determinants of Female Autonomy across Indian States, Accepted for publication in Journal of Economics, Business and Management (Forthcoming).
3. Payal Mehta, "Occupational Stress and Its Impact on Competence: A Sample Study", World Academy of Informatics and Management Sciences, Feb-March 2014, Volume 3, Issue 2, pp. 321-325.
4. Payal Mehta, "Consumer Switching Behaviour towards Mobile Number Portability", International Journal of Management Studies, January 2014, Volume 2, No. 1, pp. 32-39.
5. G.Ramakrishna, G. Madhavankutty, P. Lalitha, 2014 "Impact of Capital Account Openness, Trade Balances and Exchange Rates on Economic Growth: The Evidence from India (1990-2013)", Asian Economic Review, September, Volume 56, No.3, pp 172-190.
6. P.Lalitha, 2014 "Tribal Diversity in Andhra Pradesh and Telangana: A Comparative Analysis", American International Journal of Research in Humanities, Arts and Social Sciences, 7(2), June-August, pp. 131-139.
7. M. Ramaulu, G. Ramakrishna, P. Lalitha 2014 "Agricultural Marketing and Inclusive Growth in India - What does the Survey Data suggest? The Case of Two Villages in Medak District of Telangana State", Developing Country Studies, ISSN 2224-607X (Paper) ISSN 2225-0565 (Online), Vol.4, No.14, 2014, pp 34-41.
8. P.Lalitha, M.Ramulu, G.Rama Krishna 2014 "Trends in Foreign Trade between India and the BRICS countries : An Empirical Analysis", International Journal of Contemporary Issues, Vol.2 (1), April-June, pp 1-13.
9. P. Lalitha, Ch. V. V. S. N. V. Prasad 2014 "Factors influencing the Usage of ICT in Secondary Schools: A Case Study in Telangana State of India", Developing Country Studies, ISSN 2224-607X (Paper) ISSN 2225-0565 (Online), Vol.4, No.14, 2014, pp 34-41.
10. Ch. V. V. S. N. V. Prasad, P. Lalitha , P. V. N. Srikar , " Barriers to the Use of Information and Communication Technology (ICT) in Secondary Education: Teacher's Perspective, Selected for presentation and publication, accepted for Journal of Management Research
11. Swati Alok, Jayasree.R and Prasuna M. G. (2014), "Predicting the Conflict style Intention to Manage Relationship Conflict: An Exploratory extension of Theory of Planned Behaviour", South Asian Journal of Management, Vol. 21, No.1, pp.117-133.
12. Shaheen, M., Gupta, M., Sayeed, O.B., Swati Alok (2014), "Behavioral Intentions of Academicians towards Teaching and Research: A Study in the Indian B-School Context", IUP Journal of Soft Skills, Vol. No.8 .pp. 7-31
13. Swati Alok, Jayasree.R, Shaheen.M (2014), "Conflict Management Strategies Used by Indian Software Companies: A Summative Content Analysis", IUP Journal of Soft Skills, (in Press for publication, Dec issue)
14. Archana Srivastava & Mathur, S K (2014), "Validity of Heckscher-Ohlin-Vanek Hypothesis - A Complete and Partial Test Approach" Korea and the World Economy, Chungbuk National University, Cheongju, Chungbuk 361-763, South Korea December issue of 2014.

Conferences attended/papers presented:

1. C H Yaganti "Estimation of optimal Hedge Ratio and Hedging Effectiveness of Futures Markets- A Case study of Gold & Silver" held on 31st January to 2nd February 2014 held at Gokhale Institute of Politics and Economics.
2. C H Yaganti and B Kamaiah "An Econometric Analysis of Hedging Effectiveness of Commodity Futures Markets in India' 4th International Conference on Applied Econometrics (ICAE-IV) held at IBS Hyderabad during March 20-21, 2014.
3. C H Yaganti & A K Prashant "Branded Retail Stores: Economic analysis and Environmental issues" National conference on Technology, Policy and Community: SMALL EXPERIMENTS IN SUSSTAUNABILITY held at BITS-PILANI, Hyderabad during 14-15 March, 2014.
4. C H Yaganti "Commodity Futures Trading in India - Issues and Concerns" National seminar on Commodities Derivatives held at Department of Commerce, University College of Commerce & Business Management, Osmania University, Hyderabad during August 7-8, 2014.
5. Sudatta Banerjee, Economic Growth and the Quality Composition of Human Capital- 4th International Conference on Applied Econometrics (ICAE-IV), IBS Hyderabad, March 20-21, 2014.

6. Sudatta Banerjee and Amrita Roy, Determinants of Female Autonomy across Indian States, 5th International Conference on Economics, Business and Management – ICEBM 2014, December 27-28, 2014, in Phuket Island, Thailand. Awarded best paper award for the same
7. P.Lalitha, Information and Communication Technology (ICT) and Secondary Schools in India: A Case Study in Hyderabad, Global Conference on Business and Social Sciences, Kaulalumpur, Malaysia, 15-16th ,Dec-2014 Organised by GATR

Invited Talks given by BITS faculty:

- Archana Srivastava took a session in a workshop “Frontier Areas in Econometrics and International Trade” during 10-20th Dec,2014 at IIT Kanpur.

Invited talks arranged in the department:

- Amartya Sen and Ecological Economics by Mark Lindley - 9th, February, 2014
- Joint Seminar by Department of Economics & Finance and Department of Humanities and Social Sciences on “Women and Leadership” 1st March,2014

Awards and recognitions won by faculty and students:

Sudatta Banerjee and Amrita Roy, Determinants of Female Autonomy across Indian States, 5th International Conference on Economics, Business and Management – ICEBM 2014, December 27-28, 2014, in Phuket Island, Thailand. Awarded best paper award for the same.

Faculty Development, International Collaboration & Industry Immersion: NA

Significant new equipments/experimental facility added during the year:

- Department has procured STATA Software

Departmental association/club activities:

- Aashutosh Gaiha - Talk on Risk Adjusted Valuation in Infrastructure Projects and Funding for New and Existing Ventures - 15th, March.
- A game on Nash Equilibrium - 2nd, March. 2014
- Youth Money Olympiad - 26th, September, 2014

ATMOS – October, 2014

- Prof Thirumalai (Prof at ISB HYD) and Prof Indrakant(RBI Chair Professor), a talk on Algorithmic trading and Theory Of Value respectively.
- The Court Room.
- DSIJ.
- Paper Presentation.
- Bulls and Bears Open Out Cry.
- Bulls and Bears Island Crisis.
- Bulls and Bears Club in association with Economics Association, a discussion on Forex. - Nov 17th,2014
- Kodali Sir's Talk on basics of stocks and stock markets – by Shri Kodali Siva Rama Krishna, 24th, September, 2014
- The Economics Association is organizing a lecture on Basic finance by Mr. V. Venkatesh, IIM B alumni and the Director of Money Wizards. - 17th, September,2014
- Teachers Day.
- Inside Job Movie Screening - 12th, August,2014

Major maintenance, renovations or new construction reports: NA

Major equipments acquired during the year: NA

B3.10.8 Humanities and Social Sciences**Number of faculty members**

Senior Professors, Professors	
Associate Professors	
Assistant Professors	5
Lecturers	1
Visiting Faculty	2

Head of the Department: M.G.Prasuna

Contact details: prasuna@hyderabad.bits-pilani.ac.in

Number of PhD Scholars: 2

Sponsored Research activities: Ongoing projects:

SL No	Project Name	Principal Investigator	Funding Agency	Sanctioned Amount (Lakhs)	Duration
1.	Challenging the Representation of Women in Matrilineal Communities of Kerala through Selected Fiction	Dr.Maya Vinai	RIG	Rs.2,00,000	2 years
2.	Climate Change, Market and Livelihoods	Dr.Sajja Srinivas	RIG	Rs.2,00,000	2 years
3.	Effects of Mantras on Human Mind, Life and Performance	DR.Aruna Lolla	RIG	Rs.2,00,000	2 years

Projects sanctioned during the year

SL No	Project Name	Principal Investigator	Funding Agency	Sanctioned Amount	Duration
1	Self and Social Exclusion: Representation of Parsi community in Theatre and Films	Dr.M.G.Prasuna	UGC	Rs.7,28,600	3 years

Publications:

- Swati Alok, Jayashree Raveendran and M G Prasuna. "Predicting the Conflict-Style Intention to Manage Relationship Conflict: An Exploratory Extension of Theory of Planned Behavior", South Asian Journal of Management, Vol.21, March,2014.
- Swati Alok and Prasuna M.G., (2014), "Vignette Development: An Illustrations in Conflict research", AIMS International Journal of Management, Vol.8, No.2, pp 77-89.
- M. G.Prasuna. "Socio-cultural perspectives of Muslim minorities in the short stories of Saleem – A Study. Contemporary Discourse, Volume 5, January 2014.
- Maya Vinai, M.G.Prasuna & Jayashree Hazarika. "Globalization of Cuisines : Rethinking the role of food in the recent Indian English Fiction". International Journal of English: Literature, Language & Skills, Issue 4, ISSN 2278-0742, January 2014.

Chapters in Book

- Maya Vinai & Jayashree Hazarika. Globalization in the works of Vikram Seth. Indian- American Diasporic Literature. New Delhi: Prestige, 2014.
- Olympia Bhatt, "Musical Beginnings and Trends in 1920s Indian Cinema" in Eds. Tieber, Claus and Anna Windisch, The Sound of Silent Films: New Perspectives on History, Theory and Practice Hampshire: Palgrave Macmillan, 2014.

Book Published

- Dr. Maya Vinai Maya Vinai. Interrogating Caste and Gender: Anita Nair's Fiction. New Delhi: Prestige, 2014.

Conferences attended/papers presented:

- M.G.Prasuna presented a paper on "Theatre Art Techniques for Professional Development" at the International Journal of Arts and Sciences(IJAS) Conference held at Harvard campus, Boston, USA, May 26-30, 2014.
- M.G.Prasuna & Maya Vinai presented a paper on " Mapping Madness : A Critical Analysis of Jerry Pinto's Em and the Big Hoom "at the International Conference on "Globalism and The New Literatures" organized by Indian Society for Commonwealth Studies at Oucip, Hyderabad, 3-5 February, 2014.
- Srinivas Sajja presented a paper on '*The decline of Agriculture as an occupation: Case studies from Karnataka, Telangana and Andhra Pradesh*' at XL (40th) All India Sociological Conference, organized by Indian Sociological Society in Mahatma Gandhi Kashi Vidyapeeth, Varanasi, Nov. 28,29 and Dec.1, 2014.
- Srinivas Sajja presented a paper on 'Negotiating Empowerment through Innovation: Women and Local Governance in Telangana' at the International Conference on "Gandhi, Gram Swaraj and Decentralisation" at Kerala Institute of Local Administration, Thrissur, Nov. 27-29, 2014.
- Srinivas Sajja presented a paper on 'Rainfall Variability, Coping Strategies and Livelihoods: Case Study from Godavari Basin, India' in RC 10 Climate Change, Famines and Food Crises, XVIII ISA World Congress of Sociology (Facing an unequal World: Challenges for Global Sociology), during 13-19 July at Yokohama, Japan.
- Olympia Bhatt presented a paper on "Coping with the Archive, Working with Materialism: An Approach to Early Indian Cinema Historiography" in Mayabazaar: Re-viewing 100 Years of Indian Cinemas, National Seminar organized by Department of Humanities and Social Sciences, Christ University Bangalore 19-20 February 2014.
- Olympia Bhatt presented a paper on "The Talkies and Its Singing Stars: Analysing Aural Stardom in 1930s Bombay Cinema" in conference titled Hollywood's Musical Contemporaries and Competitors in the Early Sound Era, organized by Faculty of Arts and Human Sciences, University of Surrey, UK July 26-28 2014.

Invited Talks given by BITS faculty:

- M.G.Prasuna was invited to speak at "Lingua Fiesta", Annual Literary Fest, at Delhi Public School, Secunderabad, on 22nd August, 2014.
- Santosh Mahapatra was invited by Academic Staff College, University of Hyderabad as a resource person to address the participants of the Refresher Course in Research Methodology for Social Sciences (Quantitative Methods) on May 6, 2014.
- Santosh Mahapatra was invited by English Language Teachers' Association, India (Hyderabad Chapter) to give a talk on 'Using Web 2.0 Tools for Teaching and Assessing Speaking Skills' at BV Raju Institute of Technology, Hyderabad, on November 1, 2014.
- Santosh Mahapatra conducted a workshop on 'Providing Effective Feedback to Students on Their Performance in Listening and Speaking' for high school English language teachers at St. Ann's High School, Secunderabad on December 6, 2014, which was sponsored by Regional English Language Office, US Embassy, New Delhi Santosh Mahapatra conducted a workshop on 'Providing Effective Feedback to Students on Their Performance in Listening and Speaking' for high school English language teachers in Karimnagar, Telangana on July 20, 2014 sponsored by Regional English Language Office, US Embassy, New Delhi.

Invited talks arranged in the department:

- The Department Of Humanities And Social Sciences Bits Pilani Hyderabad Campus, Enactus Worldwide - Bphc Chapter And Cova Hyderabad Conducted a Round Table Discussion on Peace, Diplomacy and Culture With the delegates of the India-Pakistan Culture Connect Initiatives on Friday the 14th February 2014.
- The Department Of Humanities And Social Sciences Bits Pilani Hyderabad Campus and the NSS BPHC held a invited lecture By Dr.Vithal Rajan, Emeritus Chair of SKS, the leading micro-finance agency, on volunteerism on 15 March 2014.
- Our Department has organized a workshop on " Learning Basic Sanskrit" from 26th February to 5th march, 2014. Mr. Krupalu Vogeti, a renowned Sanskrit scholar was the resource person.

- The Department Of Humanities And Social Sciences Bits Pilani Hyderabad Campus and the NSS BPHC conducted a day long workshop on "Energy and Carbon Footprinting Analysis" on September 16, 2014. The resource persons were Sagar Dhara, an IIT Kanpur alumnus, an environmental engineer and an environmental policy consultant.

Title	Date	Name of Department
National Conference on "Technology, Policy and Community: Small Experiments in Sustainability"	14 - 15 March, 2014	Department of Humanities and Social Sciences
Panel Discussion on "Women and Leadership"	1st March 2014	Department of Humanities and Social Sciences
Workshop on Advanced Scientific Writing Skills in collaboration with Achievers' League USA	12th November 2014	Department of Humanities and Social Sciences

Awards and recognitions won by faculty and students: NIL

- Faculty Development, International Collaboration & Industry Immersion
- Santosh Mahapatra attended the 'trainer training workshop' organized by Regional English Language Office, US Embassy, New Delhi, at English Foreign Languages University (EFLU), Hyderabad during December 15 – 16, 2014

Significant new equipments/experimental facility added during the year: NIL

Departmental association/club activities: NIL

Major maintenance, renovations or new construction reports: NIL

Major equipments acquired during the year: NIL

B3.10.9 Mechanical Engineering

Number of faculty members

Senior Professors, Professors	1
Associate Professors	5
Assistant Professors	5
Lecturers	6
Visiting Faculty	0

Head of the Department: Dr. Y . V. Daseswara Rao

Contact details: 040-66303 551; Email: yvdrao@hyderabad.bits-pilani.ac.in

Number of PhD Scholars: 21

Sponsored Research activities:

Ongoing projects:

SL No	Project Name	Principal Investigator	Funding Agency	Sanctioned Amount (Lakhs)	Duration
1.	Understanding Material Properties and Possible Forming Behavior (using FEM) of Titanium Grade – 5 Material at Elevated Temperatures	Prof. Amit Kumar Gupta	DST	10.15	2012-2015
2.	CFD based Process Optimization of BQR15 Flotation Cell and Scale-up for Larger Cells (Phase-2)	Prof. Jeevan Jaidi	Tenova Delkor India	15.66	Dec2014-May 2015 (6 months)

Projects sanctioned during the year

SL No	Project Name	Principal Investigator	Funding Agency	Sanctioned Amount	Duration
1.	Formability Study on Constrained Groove Pressed Extra Deep Drawn (EDD) Steel Sheets	Prof. Amit Kumar Gupta	UGC	34.20	2014-2016
2.	Process Modeling and Validation of Flotation Cell: Development of 3-D Multiphase Turbulent Model (Phase-1)	Prof. Jeevan Jaidi	Tenova Delkor India	7.83	9th June 2014 – 9th Sept 2014 (3 months)
3.	CFD based Process Optimization of BQR15 Flotation Cell and Scale-up for Larger Cells (Phase-2)	Prof. Jeevan Jaidi	Tenova Delkor India	15.66	Dec 2014 – May 2015 (6 months)
4.	Design and development of an interactive decision support system for regional energy management	Dr. Sandip S. Deshmukh	UGC	6.00	2014-2016

Publications:

- Gupta, A.K., Krishnamurthy, H.N., Puranik, P., Singh, S.K. and Balu, A. (2014), "An exponential strain dependent Rusinek-Klepaczko model for flow stress prediction in austenitic stainless steel 304 at elevated temperatures", Journal of Materials Research and Technology, Publisher: Elsevier, (accepted, JMRT-D-14-00058R1)
- Gupta, A.K., Sharath Chandra, G., Raghuram, K.D. and Balu, A. (2014), "Optimization of turning parameters by integrating genetic algorithm with support vector regression", International Journal of Advanced Manufacturing Technology, Publisher: Springer, (accepted, IJAMT-D-12-10210R1).
- Raghuram K.D., Sharath Chandra G., Balu, A.. and Gupta, A.K.(2014),, " Support Vector Regression based Flow Stress Prediction in Austenitic Stainless Steel 304", Procedia Materials Science, Publisher: Elsevier, Vol. 6, 2014, pp 368-375.
- Hussaini, S.M., Gupta, A.K. and Singh, S.K. (2014), "Investigation of Material Model for Simulations of Deep Drawing in Dynamic Strain Aging Region", Procedia Materials Science, Publisher: Elsevier, Vol. 6, 2014, pp. (the details not known)
- Sajun P. K. and Gupta, A.K.(2014), " MTS Paper", Procedia Materials Science, Publisher: Elsevier, Vol. 6, 2014, pp (the details not known).
- Kotkunde, N., Deole A.D., and Gupta, A.K. (2014), " Prediction of Forming Limit Diagram for Ti-6Al-4V Alloy Using Artificial Neural Network", Procedia Materials Science, Publisher: Elsevier, Vol. 6, 2014, pp 341-346.
- Kotkunde, N., Deole A.D., Gupta, A.K., and Singh, S.K. (2014), "Analysis of Thickness Strain Prediction in Warm Deep Drawing of Ti-6Al-4V", Journal of Applied Mechanics and Materials, Publisher: Trans Tech. Publications, Vol. 980, 2014, pp 52–56.
- Kotkunde, N., Balu, A., Gupta, A.K., and Singh, S.K. (2014), "Flow stress prediction of Ti-6Al-4V alloy at elevated temperature using artificial neural network", Journal of Applied Mechanics and Materials, Publisher: Trans Tech. Publications, Vol. 612, 2014, pp 83–88.
- Kotkunde, N., Deole, A.D., Gupta, A.K. and Singh, S.K. (2014), "Experimental and numerical investigation of anisotropic yield criteria for warm deep drawing of Ti-6Al-4V alloy", Journal of Materials and Design, Publisher: Elsevier Science, Vol. 63, 2014, pp 336 –344.
- Kotkunde, N., Deole, A.D., Gupta, A.K., Singh, S.K. and Balu, A. (2014), "Failure and formability studies in warm deep drawing of Ti-6Al-4V alloy", Journal of Materials and Design, Publisher: Elsevier Science, Vol. 60, 2014, pp 540–547.
- Garg, A., Tai, K. and Gupta, A.K. (2014), "A modified multi-gene genetic programming approach for modelling true stress of dynamic strain aging regime of austenitic stainless steel 304", Meccanica, Publisher: Springer, Published online 23 January 2014, (In Press, Corrected Proof online doi: DOI 10.1007/s11012-013-9873-x).
- Kotkunde, N., Deole, A.D., Gupta, A.K., and Singh, S.K. (2014), "Comparative study of constitutive modeling for Ti-6Al-4V alloy at low strain rates and elevated temperatures", Journal of Materials and Design, Publisher: Elsevier Science, Vol. 55, 2014, pp 999–1005.
- Kotkunde, N., Krishnamurthy, H.N., Puranik, P., Gupta, A.K., and Singh, S.K. (2014), "Microstructure study and constitutive modeling of Ti-6Al-4V alloy at elevated temperatures", Journal of Materials and Design, Publisher: Elsevier Science, Vol. 54, 2014, pp 96–103.

14. B. Madhavi, J. Jeevan and M. Karthik Teja (2014), "Heat and Material Flow Effects on Microstructures and Hardness in Friction-stir Welded Joints," *Procedia Engineering* (Reference: PROENG 14938).
15. G. Pavan Kumar and Srinivasa Prakash Regalla, "Multi-objective Optimization of Strength and Volumetric Shrinkage of FDM parts", *Virtual and Physical Prototyping*, Vol. 9 (2), pp-127-138, 2014.
16. G. Pavan Kumar and Srinivasa Prakash Regalla, "Part Strength Evolution with Bonding between Filaments in FDM", *Virtual and Physical Prototyping*, Vol. 9 (3), pp. 141-149, 2014.
17. G. Pavan Kumar and Srinivasa Prakash Regalla, "DOE based parametric study of volumetric change of FDM parts", *Procedia Material Science*, Vol. 6, pp. 354–360, 2014.

Conferences attended/papers presented:

1. Chirag I Sancheti., Aditya, B. and Gupta, A.K. (2014), "Improvement of production by assembly line simulations using FlexSim", *International Conference on Advance Design and Manufacturing (ICADM 2014)*, Dec 05-07, 2014.
2. Eswar P.K, Raman G. R., Singh, S.K. and Gupta, A.K., (2014) " Some Investigations of Stretching operation of EDD Steel at elevated Temperatures using FEM", *International conference on Computer Science and Information Systems (ICSIS'2014)*, Dubai, UAE, Oct 17-18, 2014
3. Sajun P. K. and Gupta, A.K.(2014), " MTS Paper", *Procedia Materials Science*, Publisher: Elsevier, Vol. 6, 2014, pp 368-375.
4. Hussaini, S.M., Gupta, A.K. and Singh, S.K. (2014), "Investigation of Material Model for Simulations of Deep Drawing in Dynamic Strain Aging Region", *3rd International Conference on Materials Processing and Characterization (ICMPC 2014)*, Mar 08-09, 2014.
5. Raghuram K.D., Sharath Chandra G, Aditya, B. and Gupta, A.K.(2014), "Support Vector Regression based Flow Stress Prediction in Austenitic Stainless Steel 304", *3rd International Conference on Materials Processing and Characterization (ICMPC 2014)*, Mar 08-09, 2014.
6. Raghuram K.D., Aditya, B., Gupta, A.K. and Singh, S.K. (2014), "Mechanical Properties of Austenitic Stainless Steel 316 at Elevated Temperatures", *International Conference on Structural Integrity (ICONS-2014)*, IGCAR, Kalpakkam, India, Feb 04-07, 2014
7. Kotkunde, N., Aditya, B., Gupta, A.K., and Singh, S.K. (2014), "Flow stress prediction of Ti-6Al-4V alloy at elevated temperature using artificial neural network", *International Symposium on Engineering and Technology*, Pune.
8. Jayahari, L., Gupta, A.K., Balu Naik, B., and Singh, S.K. (2014), "Formability analysis of Austenitic stainless steel-304 under warm conditions", *9th International Conference and Workshop on Numerical Simulation of 3D Sheet Metal Forming Process*, Jan 6-10, Deakin University, Melbourne, Australia, AIP Proceedings, pp 402-405.
9. B. Madhavi, J. Jeevan and M. Karthik Teja (Feb. 2014), "Optimization Study of Friction Stir Welding Process Parameters and Nugget Properties of Aluminium-alloy," *International Conference on Structural Integrity (ICONS-2014)*, IGCAR, Kalpakkam, INDIA, February 4-7.
10. B. Madhavi, J. Jeevan and M. Karthik Teja (Feb. 2014), "Heat and Material Flow Effects on Microstructures and Hardness in Friction-stir Welded Joints," *International Conference on Structural Integrity (ICONS-2014)*, IGCAR, Kalpakkam, INDIA, February 4-7.
11. G. Pavan Kumar and Srinivasa Prakash Regalla, "Friction and Wear Behavior of ABS Polymer Parts made by Fused Deposition Modeling (FDM)", *International Conference on Advances of Tribology*, 21-24th February 2014, NIT Calicut, Kerala, India.
12. Deshmukh S.S., Jinturkar A.M. & Anwar K, 'Determinants of Household Fuel Choice Behavior in Rural Maharashtra, India'. *International Conference on Renewable Energy (ICRE 2014)*, Pune, India February 21-23, 2014.
13. Deshmukh S.S., Jinturkar A. M., & Harika Rao, 'Analysis of Rural Household Fuel Choice Behavior in Rural Towns of Maharashtra'. *International Conference on Renewable Energy and Sustainable*, 9-10 January, 2014 at Pune.
14. Deshmukh S.S., 'Implications of Urban Built Form on Low Carbon Energy Supply'. *National Conference on Technology, Policy and Community: Small Experiments in Sustainability*, BITS Pilani Hyderabad Campus 14-15th March 2014.
15. K. Sai Manish*, Shanmukhasundaram V R, Y. V. Daseswara Rao, S.P. Regalla, "An algorithm to reduce the number of graphs to be handled in the test for isomorphism among Planetary Gear Trains", *3rd IEEE International Conference on sustainable and eco-friendly computing*, NIT K Surathkal, Karnataka, Dec 2014.

16. V R Shanmukhasundaram, Dr. Y V D Rao, Dr. S P Regalla, & Ashish Garg, "Structural implications of the graph theory representation in epicyclic gear trains", 2nd IEEE International Conference on MOOCs technology and innovation, Thapar University, Patiala, Dec 2014.
17. Taufeeq Rahmani & Y V D Rao, "Synthesis and Analysis of Planetary Gear Trains using genetic algorithm", 3rd IEEE International Conference on sustainable and eco-friendly computing, NIT K Surathkal, Karnataka, Dec 2014.
18. S.Adil, G.R. Sabareesh, Y.V.D.Rao, "Investigation on flow induced vibrations of a square cylinder", International Conference on Emerging Technologies in Mechanical Sciences, MCET, 26-27 Dec2014

Invited Talks given by BITS faculty:

- Amit Kumar Gupta, "Preparation of Research Proposal" at WORKSHOP ON RESEARCH METHODOLOGY, BITS-Pilani, Hyderabad Campus, April 11-12, 2014.
- Invited Lecture by Dr. Sandip Deshmukh at Administrative Staff College, Hyderabad on 'Solar Pumps in Rural Water Supply' on 10-11 July, 2014
- Invited talk by Dr. Sandip Deshmukh at 3-day National Workshop on "Alternative Fuels and Powertrain Systems" held on 4th – 6th December 2014 under TEQIP Scheme at VNR Vignana Jyothi Institute of Engineering and Technology, Hyderabad.

Invited talks arranged in the department: Nil

Awards and recognitions won by faculty and students

1. Dr. Amit Kumar Gupta received UGC Research Award for his research contribution in mechanical engineering.
2. Dr. Amit Kumar Gupta received Prof. S. Venkateswaran Faculty Excellence Award instituted by BITSAA International for his outstanding contribution in teaching and research.
3. Mr. Pavan Kumar has won the best paper presentation for his paper held at NIT Calicut.
4. Dr. Sandip Deshmukh is awarded with OPERA (Outstanding Potential for Excellence in Research and Academics) award by BITS Pilani for 2015-2019.

Faculty Development, International Collaboration & Industry Immersion: Nil

Significant new equipments/experimental facility added during the year:

S.N	Name of the Lab	Equipment Ordered	Amount
1	HT LAB	Nil	0
2	IC LAB	1. AVL DITEST MDS 650 INT 2. Four cylinder four stroke petrol engine 3. Single Cylinder Four Stroke water cooled diesel engine	3350436 1196095
3	HM LAB	Nozel performance test module essential ancil, compressible flow range, nozzle pressure distribution module essential ancil	1624950
4	RACE LAB	Solar PV Training and Research System	199500
5	MT LAB	Creep and Rupture testing machine	2327640
6	ROBOTICS LAB	Nil	0
7	CPDR LAB	17 Different Items	192428
8	DYNAMICS LAB	24 Items of vibration lab 6 Different Items	569886 741111
9	TRIBOLOGY LAB	Scratch Tester	835850
Total			11037896

Departmental association/club activities:

- Class committees are formed. Farewell to senior students and welcome to junior students is arranged. Actively associated with the ATMOS 14.
- Magazine Spark plug (Soft Copy) released in 2nd week of March-14.
- Industrial Visit to NTPC-Ramagundam on 12th, April-14
- Farewell to Mechanical outgoing students 29th, April-2014

- Elections for new body of MEA 3rd week of April-2014
- Selection of new office bearers of MEA in last week of April-2014
- Fresher's meet on 22nd, August-2014
- Students interaction with ISHRAE delegates 5th, Nov-2014
- Registration of students for ISHRAE-BPHC chapter 17th, Dec-2014
- In addition to these MEA has organized events in ATMOS2014 like Mini GP, Algo-mech, Hover craft workshop, Glider workshop, quiz, guest lectures, experts talk etc.

Major maintenance, renovations or new construction reports

Pelton Wheel, Kaplan Turbine and Francis Turbine setups are shifted to Spacious area in IC Engines Lab near Central workshop as these three equipments are heavy and causing vibration in the room currently placed.

Major equipments acquired during the year: AVL DITEST MDS 650 INT

B3.10.10 Mathematics

Number of faculty members

Senior Professors, Professors	1
Associate Professors	2
Assistant Professors	12
Lecturers	--
Visiting Faculty	1

Head of the Department: Dr. Bivudutta Mishra

Contact details: E-mail: bivu@hyderabad.bits-pilani.ac.in, Tel: 040-66303532

Number of PhD Scholars: 1

Number of Project Fellow: 1

Sponsored Research activities:

Ongoing projects:

SL No	Project Name	Principal Investigator	Funding Agency	Sanctioned Amount (Lakhs)	Duration
1.	Bianchi Type Cosmological Models in Modified Theories of Gravitation	Dr. Bivudutta Mishra	SERB, DST	11.08 Lakhs	2014-2017
2.	Study on Cosmological Models of the Universe with Wet Dark Fluid in Alternative Theories of Gravitation	Dr. Bivudutta Mishra	UGC	1.9 Lakhs	2013-2015
3	"Generalized Convexity, Hermite-Hadamard Inequality on Riemannian Manifolds and their Applications"	Dr.Akhilad Iqbal	UGC	6 Lakhs	2013-2015
4	An application of optimal homotopy asymptotic method in the study of the flow of non-Newtonian fluids through pipes.	Dr. T S L Radhika	BITS-Pilani (RIG)	2.0 Lakhs	2013-2015
5	A certain study of wavelet analysis and its applications	Dr. Manish Kumar	BITS-Pilani(RIG)	1.36 Lakhs	2013-2015
6	Applications of Discrete Fractional Calculus in Science and Engineering	Dr. Jagan Mohan Jonnalagadda	BITS-Pilani (RIG)	1.5 Lakhs	2014-2016
7	Study of Seismic Wave Propagation	Dr.Sumit Kumar			

SL No	Project Name	Principal Investigator	Funding Agency	Sanctioned Amount (Lakhs)	Duration
	in heterogeneous medium	Vishwakarma	BITS-Pilani (RIG)	1.5 Lakhs	2014-2016
8	Nonconforming Spectral element method for elliptic interface problems	Dr. Naraparaju Kishore Kumar	BITS-Pilani (RIG)	1.6 Lakhs	2014-2016

Projects sanctioned during the year:

SL No	Project Name	Principal Investigator	Funding Agency	Sanctioned Amount	Duration
1	A Study of Some Qualitative Properties of Solutions of Nabla Fractional Difference Equations	Dr. Jaanmohan J.	UGC	6.00	2014-2016
2	Security for transmission of images in an open network	Dr M. Kumar	UGC	6.00	2014-2016

Publications:

1. B. Mishra, P.K. Sahoo: Bianchi type VI1 Cosmological Model with Wet Dark Fluid in Scale Invariant Theory of Gravitation, Astrophysics and Space Science, 349, 491-499, 2014. (DOI: 10.1007/s10509-013-1652-6.)
2. P.K. Sahoo, B. Mishra, G. Chakradhar Reddy: Axially symmetric cosmological model in $f(R,T)$ gravity, The European Journal of Physics-Plus, 129(49), 2014. (DOI:10.1140/epjp/i2014-14049-7.)
3. B.Mishra, P.K. Sahoo: Bianchi type VIh perfect fluid cosmological model in $f(R, T)$ theory, Astrophysics and Space Science, 352, 331-336, 2014. (DOI: 10.1007/s10509-014-1914-y.)
4. P.K. Sahoo, B. Mishra: Cylindrically symmetric cosmic strings coupled with Maxwell fields in bimetric relativity, International Journal of Pure and Applied Mathematics, 93(2), 275-284, 2014. (DOI: <http://dx.doi.org/10.12732/ijpam.v93i2.11>.)
5. B.Mishra, S.K. Biswal: Five Dimensional Bianchi type VI0 dark energy model in general relativity, The African Review of Physics, 9(12), 77-83, 2014.
6. P.K. Sahoo, B. Mishra: Higher Dimensional Bianchi Type-III universe with strange quark matter attached to string cloud in general relativity, Turkish Journal of Physics, 2014. (DOI: 10.3906/fiz-1403-5)
7. P. K. Sahoo, B. Mishra: Kaluza-Klein dark energy model in the form of wet dark fluid in $f(R,T)$ gravity, Canadian Journal of Physics, 92(9), (2014), 1062-1067.
8. P.K. Sahoo, B. Mishra: Axially symmetric cosmological model with anisotropic dark energy, European Journal of Physics Plus, 129, 196, 2014. (DOI:10.1140/epjp/i2014-14196-9.)
9. B. Mishra, P. K. Sahoo, S.K. Tripathy: Pressure anisotropy and dark energy models in scale invariant theory of gravitation, Astrophysics and Space Science, 355, 2193-2201, 2014. (DOI: 10.1007/s10509-014-2193-3.)
10. K. L. Mahanta, A. K. Biswal, P. K. Sahoo: Bianchi type-III dark energy models with constant deceleration parameter in self-creation cosmology, Canadian Journal of Physics, 92(4), 295-301, 2014.
11. P.K. Sahoo, B. Mishra, S.K. Tripathy: Kaluza-Klein cosmological model in $f(R,T)$ gravity with $\Lambda(T)$, arXiv:1411.4735v2 [gr-qc], 2014.
12. P. K. Sahoo, K.L. Mahanta, D. Goit, A.K. Sihna, U.R. Das, A. Prasad, R. Prasad: Einstein energy-momentum complex for a phantom black hole metric, arXiv:1409.6513v1 [gr-qc], 2014.
13. K. L. Mahanta, A. K. Biswal, P. K. Sahoo: Bulk viscous string cloud with strange quark matter in Brans-Dicke theory, The European Physical Journal Plus, 129, 141, 2014.
14. G.V.S.R.Deekshitulu, J. Jagan Mohan: Existence and Uniqueness of Solutions of Nabla Fractional Difference Equations, Bulletin of the Marathwada Mathematical Society, 15 (1), 73 – 77, 2014.
15. Jagan Mohan Jonnalagadda: Solutions of Perturbed Linear Nabla Fractional Difference Equations, Differential Equations and Dynamical Systems, Springer, 22(3), 281 - 292, 2014.
16. J.Jagan Mohan, G.V.S.R.Deekshitulu: Solutions of Nabla Fractional Difference Equations Using N Transforms, Communications in Mathematics and Statistics, 2(1), 1 - 16, 2014.

17. J.Jagan Mohan, N.Shobanadevi, G.V.S.R.Deekshitulu: Stability of Nonlinear Nabla Fractional Difference Equations using Fixed Point Theorems, Italian Journal of Pure and Applied Mathematics, 32, 165 – 184, 2014.
18. N.Shobanadevi, J.Jagan Mohan: Stability of Linear Nabla Fractional Difference Equations, Proceedings of the Jangjeon Mathematical Society, 17(4), 651 – 657, 2014.
19. J.Jagan Mohan: Variation of Parameters for Nabla Fractional Difference Equations, Novi Sad Journal of Mathematics, 44(2), 149 – 159, 2014.
20. Sumit Kumar Vishwakarma: Torsional wave propagation in a self-reinforced medium sandwiched between a rigid layer and a viscoelastic half space under gravity, Applied Mathematics and Computation, 242 (1), 1-9, 2014.
21. Sumit Kumar Vishwakarma, Shishir Gupta, Samapti Kundu: Torsional wave vibration in a substratum over a dry sandy Gibson Half space, International Journal of Geomechanics, American Society of Civil Engineers, 14 (3),(2014).
22. D. Ghosh, D. Chakraborty: Analytical Fuzzy Plane Geometry III, Fuzzy Sets and Systems, 2014 (Accepted)
23. D. Ghosh and D. Chakraborty: A new Pareto set generating method for multi-criteria optimization problems, Operations Research Letters, 42, 514-521, 2014.
24. Manish Kumar, D.C. Mishra and R.K. Sharma, A first approach on an RGB image encryption, Optics and Lasers in Engineering, 52, 27--34, 2014.
25. D.C. Mishra, R.K. Sharma, Manish Kumar and Kuldeep Kumar, Security of color image data designed by public-key cryptosystem associated with 2D- DWT, Fractals, 22, 1450011--1450026, 2014.
26. Akhilesh Prasad and Manish Kumar, Boundedness of pseudo-differential operator associated with fractional Fourier transform, Proceedings of the National Academy of Sciences, India Section A: Physical Sciences, 84 (4), 549--554, 2014.
27. R.S. Pathak and Manish Kumar, Wavelet packets in Sobolev space, online published in Applicable Analysis, May 19, 2014..
28. Manish Kumar, Pradeep Powduri and Avinash Reddy, An RGB image encryption using diffusion process associated with chaotic map, Journal of Information Security and Applications, Accepted.
29. TSL Radhika, BLR Deepika, State space Approach for solving Transient Queuing Systems, Transylvanian Journal of Mathematics and Mechanics, 53-57, 2014.
30. TSL Radhika, Ritesh Rai, HAM for finding solutions to coupled system of variable coefficient equations arising in fluid dynamics, Advances in Applied Science Research, 5(5), 70-81, 2014.
31. T RajaRani, T S L Radhika, Rajender Palli, An Application of HAM for MHD Heat Source Problem with Variable Fluid Properties, Advances in Theoretical and Applied Mechanics, 7 (2), 79 – 89, 2014.
32. T. S L Radhika, M. B Srinivas, Evaluation of Mathematical models for estimation of arterial stiffness through pulse transit time measurement, IEEE Health care Innovations, Point- of- Care technology conference, Seattle, USA, Oct 8-10, 2014.
33. Avinash S. Vaidya, T.S.L. Radhika, M.B. Srinivas and Mannan Mridha : Estimation of Arterial Stiffness through pulse transit time measurement, International Conference on Biomedical Electronics and Devices, Paris, March 3-6, 2014.

Conferences attended/papers presented:

1. B.Mishra: "Bianchi Type II, III,VI1 cosmological model with Dark Energy in Wesson's Theory", International Conference on Recent Advances in Mathematics (ICRAM 2014), held at Department of Mathematics, Nagpur University, Nagpur during 20th-23rd January, 2014.
2. B.Mishra: "Cylindrically Symmetric Cosmic Strings coupled with Maxwell Fields in Bimetric Relativity", The String Theory Universe COST workshop, held at Johannes Gutenberg Universitat, Mainz, Germany during 22nd -26th Sep., 2014.
3. B.Mishra: Participated in the "International Workshop on Applications of general theory of relativity to large-scale structures in our universe", held at NIT, Patna during 23rd Dec 2013-3rd Jan 2014.
4. P. K. Sahoo: Higher dimensional Bianchi type-III universe with strange quark matter attached to string cloud in general relativity, 20th European Workshop on "The String Theory Universe", from Sept 22-26, 2014 at Mainz Institute for Theoretical Physics, Johannes Gutenberg University, Mainz, Germany.
5. P. K. Sahoo: Axially symmetric cosmological models with anisotropic dark energy, International Congress of Mathematicians (ICM-2014), from August 13-21, 2014 at COEX, Seoul, South Korea

6. P. K. Sahoo, Axially symmetric cosmological model in $f(R,T)$ gravity , International Conferences on Recent Advances in Mathematics (ICRAM-2014), from Jan 20-23, 2014 at Dept. of Mathematics, Nagpur University, Nagpur, India
7. Addepalli Ramu, Narsimhulu Dunna and Dipak Kumar Satpathi, "Viscosity Effects of the Similarity Solution for a Shock Waves", accepted for the 6th National Conference on Wave Mechanics and Vibrations (6th WMVC) to be held on November 1-3, 2014.
8. J. Jagan Mohan, Analysis of Discrete Mittag Leffler Functions in "International Conference on Special Functions and Their Applications (ICSFA – 2014)" Organized by Thapar University, Punjab from 16th - 18th October, 2014.
9. S.K. Vishwakarma: "IEEE International Conference on Computational Science and Engineering", December 19-21, 2014 at Chengdu, China.
10. A. Iqbal: Integral inequalities of Hermite-Hadamard type for functions whose third derivative absolute values are preinvex"at International Conference on Algebra, Geometry, Analysis and their Applications" (ICAGAA-14) at Jamia Milia Islamia, New Delhi during Nov 27-30, 2014.
11. T. S L Radhika: Evaluation of Mathematical models for estimation of arterial stiffness through pulse transit time measurement, IEEE Health care Innovations, Point- of- Care technology conference, Seattle, USA, Oct 8-10, 2014.
12. A.M. Alphonse: Domination on Circulant $Circ(n, \{1,4\})$ Graphs, 8th International conference of IMBIC on Mathematical sciences for Advancements of Science and Technology, SAST 2014 conference conducted by IMBIC at Kolkata, Dec 22nd-23rd, 2014.

Invited Talks given by BITS faculty:

- B.Mishra: Delivered an invited talk "Tools and Techniques in Research", Workshop on Research Methodology, held at Dept. of Civil Engineering, BITS-Pilani, Hyderabad Campus, Hyderabad during 11th-12th April, 2014.
- B. Mishra: Delivered an invited talk : Mathematical and Cosmological Modelling of the Universe", Abiskar-2015, held at Avanthi Group of Institutions, Hyderabad.

Invited talks arranged in the department: Nil

Awards and recognitions won by faculty and students:

1. Debdas Ghosh: Outstanding Potential for Excellence in Research and Academics Award, BITS Pilani.
2. P.K. Sahoo: IASc-INSA-NASI Summer Research Fellowship-2014 awarded by Indian Academy of Sciences, Bangalore.

Faculty Development, International Collaboration & Industry Immersion:

1. S.K. Vishwakarma: International research Collaboration with Harbin Engineering University, Harbin, China from December 16, 2014.

Significant new equipments/experimental facility added during the year: Nil

Departmental association/club activities:

Department of Mathematics, BITS-Pilani, Hyderabad Campus has a mathematical Society named AXIOM. Following are the activity during the annual year 2014-2015:

- Event conducted: BOXEDIN on October 10, 2014; Objective: To solve Sudoku type puzzles, box puzzles
- Event Conducted: Paper Presentation on October 10, 2014; Objective: To present papers of ones interests
- Event 3: MATHEFIA on October 11, 2014 bjective: Logical and Reasoning questions Competition
- October 12, 2014: Event 4: N-CRYPTON Objective: Coding/Cryptography
- AXIOM Tee-Shirt Published.

Major maintenance, renovations or new construction reports: Nil

Major equipments acquired during the year: Nil.

B3.10.11 Pharmacy**Number of faculty members**

Senior Professors, Professors	02
Associate Professors	00
Assistant Professors	08
Lecturers	00
Visiting Faculty	00

Head of the Department: Dr. Shrikant Y Charde

Contact details: 040 66303637

Number of PhD Scholars: 39

Sponsored Research activities:**Ongoing projects:**

SL No	Project Name	Principal Investigator	Funding Agency	Sanctioned Amount (Lakhs)	Duration
1.	Role of Methylglyoxal in diabetic cardiomyopathy: Mechanism and prevention	Dr. Arti Dhar	BITS	2	2 years
2.	Development of animal models for renal injury	Dr. Onkar Kulkarni	BITS	2	2 years
3	Design, Characterization and Pharmacokinetic Evaluation of Nanocarriers for Antiretroviral Drug Delivery in the Effective Treatment of HIV/AIDS	Punna Rao Ravi	DST New Delhi	23.1	3 years
4	Strategies against antibiotic resistance in Mycobacterium tuberculosis and Pseudomonas aeruginosa : new drugs for old targets and old drugs for new targets	Prof. D. Sriram	DBT-Indo-sweden2	6192000	3 years
5	Structured-based Design of Orphan nuclear Receptor Modulators to treat Diabetes and its complications by targeting RORalpha and Rev-erbalpha	Prof. P. Yogeeswari	ICMR Indo-France	2161600	2 years
6	Development of Novel Compounds for the Treatment of Neural Complications of Diabetes	Prof. P. Yogeeswari	DST-Indo-Portugal	604000	3 years
7	Enzymes from Purine and Pyrimidine Biosynthetic pathway as targets for the development of Mycobacterium tuberculosis drugs	Prof. P. Yogeeswari	DBT-Indo-Brazil	4822990	3 years
8	Discovery of Novel Modulators of NAD(+) Dependent Protein Deacetylase SIRT 1 for the treatment of Various Human Disorders	Prof. P. Yogeeswari	DBT	2977000	3 years
9	Structure-guided Design of New Antibacterial Agents against Dormant Mycobacterium Tuberculosis	Prof. D. Sriram	DBT-Indo-sweden1	9064000	4.5 years
10	Drug discovery of inhibitors of the Protease of Peripheral Macrophages and Microglial cells in spinal cord for the treatment of neuropathic pain	Prof. P. Yogeeswari	DST	3978300	3 years
11	Design and synthesis of pharmacophoric hybrids as potential leads for the treatment of neuropathic	Prof. P. Yogeeswari	CSIR	2028000	3 years

SL No	Project Name	Principal Investigator	Funding Agency	Sanctioned Amount (Lakhs)	Duration
	pain				
12	Development of new antiepileptic leads to suppress hippocampal leads to suppress hippocampal epileptic seizures	Prof. P. Yogeewari	DST Indo-Ukraine	774000	3 years
13	Development and analysis of novel inhibitors against M. tuberculosis GImU.	Prof. D. Sriram	CSIR-OSDD	3956820	3 years
14	Structure based rational design and synthesis of inhibitors for various enzymes of hiv	Prof. D. Sriram	DBT-ICMR	5617400	3years
15	Quality Control Studies and Standardization of Safflower Petals of Different Indian Cultivars as per World Health Organization (WHO) Requirement.	Sajeli Begum	UGC	9.448 lakhs	2011-2014
16	Investigation of Natural Coumarinolignans and their Newer Synthetic Analogs as COX-2 and TNF-alpha Inhibitory Agents in Rheumatoid Arthritis.	Sajeli Begum	CSIR	21.026 lakhs	2012-2015
17	Transcutaneous delivery of macromolecules using layer-by-layer assembly to treat skin conditions	Venkata Vamsi Krishna Venuganti	DST-SERB-Young Scientist award	23	July 2012-July 2015
18	Transcutaneous delivery of liposome-siRNA complex to treat skin cancer	Venkata Vamsi Krishna Venuganti	DST-SERB	29.26	July 2013-July 2016
19	Studies on Cell Lines as Model for Predicting In Vitro Buccal Permeation of Various Classes of Drugs and its Correlation with In Vivo Data.	Shrikant Charde	DST-SERB-Young Scientist award	24.10	3 Years
20	Design of Modified Release Multi-Unit Particulate Delivery Systems for Fixed -Dose Combination of Artesunate and Amodiaquine for Pediatrics.	Shrikant Charde	UGC	10.25	3 Years

Projects sanctioned during the year

SL No	Project Name	Principal Investigator	Funding Agency	Sanctioned Amount	Duration
1.	Evaluation of pharmacological interventions targeted at double stranded RNA dependent protein kinase (PKR) in type 2 diabetes mellitus.	Dr. Arti Dhar	UGC	600000	2 years
2	Strategie against antibiotic resistance in Mycobacterium tuberculosis and Pseudomonas aeruginosa : new drugs for old targets and old drugs for new targets	Prof. D. Sriram	DBT-Indo-sweden2	6192000	3 years
3	Structured-based Design of Orphan nuclear Receptor Modulators to treat Diabetes and its complications by targeting RORalpha and Rev-erbalpha	Prof. P. Yogeewari	ICMR Indo-France	2161600	2 years
4	Development of Novel Compounds for the Treatment of Neural Complications of Diabetes	Prof. P. Yogeewari	DST-Indo-Portugal	604000	3 years
5	Enzymes from Purine and Pyrimidine Biosynthetic pathway as targets for the development of Mycobacterium tuberculosis drugs	Prof. P. Yogeewari	DBT-Indo-Brazil	4822990	3 years
6	D-α-tocopherol conjugated co-polymer based micelles for improved delivery of chemotherapeutics with reversal of	Dr. Swati Biswas	DST	22.4	3 Years

SL No	Project Name	Principal Investigator	Funding Agency	Sanctioned Amount	Duration
	multiple drug resistance				
7	Cell Penetrating Peptide Octa-arginine Anchored, Multifunctional Poly(amidoamine) Dendrimer to Promote Delivery of Chemotherapeutics in Cancer	Dr. Swati Biswas	DBT	37.04	3 Years
8	Non-invasive delivery of siRNA to treat melanoma	Venkata Vamsi Krishna Venuganti	DBT-RGYI	22.848	Aug 2014-Aug 2017
9	Formulation Development for a Candidate Drug	Shrikant Charde Punna Rao Ravi	Industry Sponsored Project	5.27	1 Year

Publications:

- Venkata Vamsi K. Venuganti, Manju Saraswathy, Chandradhar Dwivedi, Radhey S. Kaushik, Omathanu P. Perumal. Topical gene silencing by iontophoretic delivery of antisense oligonucleotide-dendrimer nanocomplex: proof of concept in a skin cancer mouse model. *Nanoscale* (early online, DOI: 10.1039/C4NR05241B).
- Praveen K. Mandapalli, Venkata Vamsi K. Venuganti. Layer-by-layer microcapsules for pH-controlled delivery of small molecules. *Journal of Pharmaceutical Investigation* (early online, DOI: 10.1007/s40005-014-0153-0).
- Suman Labala, Praveen K. Mandapalli, Shubhmita Bhatnagar, Venkata Vamsi K. Venuganti. Encapsulation of albumin in self-assembled layer-by-layer microcapsules: comparison of co-precipitation and adsorption techniques. *Drug Development and Industrial Pharmacy* (DOI:10.3109/03639045.2014.947509).
- Praveen K. Mandapalli, Suman Labala, Deekshith Vanamala, Manali P. Koranglekar, Lakshmi A. Sakimalla, Venkata Vamsi K. Venuganti. Influence of charge on encapsulation and release behavior of small molecules in self-assembled layer-by-layer microcapsules. *Drug Delivery* 21 (8); 605-614 (2014).
- A. Reshma, S. Singhal, G. Srivasthav, S. Garigipati, S. Puppala, D. Sriram, P. Yogeewari, Design of dual inhibitors of ROCK-I and NOX-2 as potential leads for the treatment of neuroinflammation associated with various neurological diseases including autism spectrum disorder, *Mol. BioSyst.* 2014, DOI: 10.1039/C4MB00570
- S. Saxena, P. Brindha Devi, V. Soni, P. Yogeewari, D. Sriram, Identification of novel inhibitors against *Mycobacterium tuberculosis* L-Alanine dehydrogenase (MTB-AlaDH) through structure-based virtual screening, *J. Mol. Graphics Modelling* 2014, 47, 37-43.
- D. Addla, A. Jallapally, D. Gurram, P. Yogeewari, D. Sriram, S. Kantevari, Rational design, synthesis and antitubercular evaluation of novel 2-(trifluoromethyl) phenothiazine-[1,2,3] triazole hybrids, *Bioorg. Med. Chem. Lett.* 2014, 24, 233-236.
- M. Sharma, V. Deekshith, A. Semwal, D. Sriram, P. Yogeewari, Discovery of tetrahydropyrido[4,3-d]pyrimidine derivatives for the treatment of neuropathic pain. *Bioorg. Chem.* 2014, 52C, 69-76.
- V.U. Jean Kumar, J. Renuka, V.K. Pulla, V. Soni, J.P. Sridevi, P. Suryadevaraya, M. Shravan, R. Medishetti, P. Kulkarni, P. Yogeewari, D. Sriram, Development of novel N-linked aminopiperidine based mycobacterial DNA gyrase B inhibitors: Scaffold hopping from known antibacterial agents. *Int. J. Antimicrob. Agents*, 2014, 43, 269-278.
- Madhu Babu, A. Madhuri Chandra, D. Sriram, P. Yogeewari, Pharmacophore-based 3D-QSAR and molecular docking studies to identify new non-peptidic inhibitors of Cathepsin S, *Curr. Med. Chem.* 2014, 21, 1910-1921.
- M. Gangadhar, R. Mishra, D. Sriram, P. Yogeewari, Future directions in the treatment of neuropathic pain: A review on various therapeutic targets. *CNS Neurol. Disord. Drug Targets*, 2014, 13, 63-81.
- V.U. Jean Kumar, A. Reshma, P. Sridevi, S. Priyanka, S. Sai, S. Peddi, S. Sahithi, A. Mallika, P. Yogeewari, D. Sriram, Discovery and structure optimization of a series of isatin derivatives as *Mycobacterium tuberculosis* chorismate mutase inhibitors. *Chem. Biol. Drug Design*, 2014, 83, 498-506.
- J.T. Patrisha, D. Manvar, S. Kondepudi, M.B. Battu, D. Sriram, A. Basu, P. Yogeewari, N.K. Basu, Multiple e-pharmacophore modeling, 3D-QSAR, and High-throughput virtual screening of Hepatitis C Virus NS5B polymerase Inhibitors. *J. Chem. Inf. Model. (ACS)*, 2014, 54, 539-552.
- H.N. Nagesh, N. Suresh, M.K. Naidu, B. Arun, P.J. Sridevi, D. Sriram, P. Yogeewari, K.V.G. Chandrasekhar, Synthesis and evaluation of antitubercular activity of 6-(4-substituted piperazin-1-yl)phenanthridine analogues. *Eur. J. Med. Chem.* 2014, 74C, 333-339.

15. T. Yempala, J.P. Sridevi, P. Yogeewari, D. Sriram, S. Kantevari, Rational design and synthesis of novel dibenzo[b,d]furan-1,2,3-triazole conjugates as potent inhibitors of *Mycobacterium tuberculosis*. *Eur. J. Med. Chem.* 2014, 71, 160-167.
16. N. Radhika, G. Samala, J.P. Sridevi, P. Yogeewari, D. Sriram, Development of antimycobacterial tetrahydrothieno[2,3-c]pyridine-3-carboxamides and hexahydrocycloocta[b]thiophene-3-carboxamides: Molecular modification from known antimycobacterial lead. *Eur. J. Med. Chem.* 2014, 76, 110-117.
17. S. Ganesh, P.B. Devi, R. Nallangi, J.P. Sridevi, P. Yogeewari, D. Sriram, Development of novel tetrahydrothieno[2,3-c]pyridine-3-carboxamide based *Mycobacterium tuberculosis* pantothenate synthetase inhibitors: Molecular hybridization from known antimycobacterial leads. *Bioorg. Med. Chem.* 2014, 22, 1938-1947.
18. R. Alokam, V.U. Jean Kumar, J. Padma Sridevi, S.S. Matikonda, S. Peddi, M. Alvala, P. Yogeewari, D. Sriram, Identification and Structure-Activity Relationship study of Carvacrol derivatives as *Mycobacterium tuberculosis*, Chorismate mutase inhibitors, *J. Enzyme Inhibition Med. Chem.*, 2014, 29, 547-554.
19. K. Ozadali, O.T. Unsal, P. Yogeewari, D. Sriram, A. Balkan, Synthesis and antimycobacterial activities of some new thiazolyldrazone derivatives. *Bioorg. Med. Chem. Lett.*, 2014, 24, 1695-1697.
20. M. Akula, J.P. Sridevi, P. Yogeewari, D. Sriram, A. Bhattacharya, New class of antitubercular compounds: Synthesis and antitubercular activity of 4-substituted pyrrolo[2,3-c]quinolines. *Monatshefte für Chemie-Chemical monthly*, 2014, 145, 811-819.
21. S.S. Dinavahi, S. Nyayapathy, P. Yogeewari, D. Sriram, S. Viswanadha, Combined inhibition of PDE4 and PI3Kdelta modulates the inflammatory component involved in the progression of chronic obstructive pulmonary disease. *Drug Res.* 2014, 64, 214-219.
22. S. Ganesh, S.S. Kakan, N. Radhika, P.B. Devi, J.P. Sridevi, S. Saxena, P. Yogeewari, D. Sriram, Investigating structure-activity relationship and mechanism of action of antitubercular 1-(4-chlorophenyl)-4-(4-hydroxy-3-methoxy-5-nitrobenzylidene) pyrazolidine-3,5-dione. *Int. J. Mycobacteriol.* 2014, 3, 117-126.
23. P. Venkat Koushik, A. Mallika, S.S. Dinavahi, S. Viswanadha, D. Sriram, P. Yogeewari, Structure-based drug design of small molecule SIRT-1 modulators to treat cancer and metabolic disorders. *J. Mol. Graphics Modelling* 2014, 52, 46-56.
24. S.B. Kumar, M. Ravinder, G. Kishore, V.J. Rao, P. Yogeewari, D. Sriram, Synthesis, antitubercular and anticancer activity of new Baylis-Hillman adduct-derived N-cinnamyl substituted isatin derivatives. *Med. Chem. Res.*, 2014, 23, 1934-1940.
25. D. Addla, A. Jallapally, D. Gurram, P. Yogeewari, D. Sriram, S. Kantevari, Design, synthesis and evaluation of 1,2,3-triazole-adamantylacetamide hybrids as potent inhibitors of *Mycobacterium tuberculosis*. *Bioorg. Med. Chem. Lett.* 2014, 24, 1974-1979.
26. H.N. Nagesh, K.M. Naidu, D.H. Rao, J. P. Sridevi, D. Sriram, P. Yogeewari, K.V.G. Chandrasekhar, Design, synthesis and evaluation of 6-(4-((substituted-1H-1,2,3-triazol-4-yl)methyl)piperazin-1-yl)phenanthridine analogues as antimycobacterial agents. *Bioorg. Med. Chem. Lett.* 2014, 24, 6805-6810.
27. S. Ganesh, C. Madhuri, J.P. Sridevi, R. Nallangi, P. Yogeewari, D. Sriram, Synthesis and antitubercular evaluation of 2-iminothiazolidine-4-ones. *Eur. J. Chem.* 2014, 5, 550-556.
28. P.B. Devi, S. Ganesh, J.P. Sridevi, S. Saxena, A. Mallika, E.G. Salina, D. Sriram, P. Yogeewari, Structure-guided design of novel thiazolidine derivatives as *Mycobacterium tuberculosis* pantothenate synthetase inhibitors. *ChemMedChem.* 2014, 9, 2538-2547.
29. S. Ganesh, N. Radhika, P.B. Devi, S. Saxena, R. Yadav, J.P. Sridevi, P. Yogeewari, D. Sriram, Identification and development of 2-methylimidazo[1,2-a]pyridine-3-carboxamides as *Mycobacterium tuberculosis* pantothenate synthetase inhibitors. *Bioorg. Med. Chem.* 2014, 22, 4223-4232.
30. A.K. Chakraborti, P. Shah, T. Dhameliva, R. Bansal, M. Nautival, D.N. Kommi, P.S. Jadhavar, J.P. Sridevi, P. Yogeewari, D. Sriram, N-Arylalkylbenzo[d]thiazole-2-carboxamides as anti-mycobacterial agents: Design, new methods of synthesis and biological evaluation. *Med. Chem. Commun.* 2014, 5, 1489-1495.
31. J. Renuka, K.I. Reddy, K. Srihari, V.U. Jeankumar, M. Shravan, J.P. Sridevi, P. Yogeewari, K.S. Babu, D. Sriram, Design, synthesis and biological evaluation of substituted benzofurans as DNA gyrase B inhibitors of *Mycobacterium tuberculosis*. *Bioorg. Med. Chem.* 2014, 17, 4924-4934.
32. V.U. Jeankumar, J. Renuka, S. Kotagiri, S. Saxena, S.S. Kakan, J.P. Sridevi, S. Yellanki, P. Kulkarni, P. Yogeewari, D. Sriram, Gyrase ATPase domain as an antitubercular drug discovery platform: Structure-based design and lead optimization of nitothiazolyl carboxamide analogues. *ChemMedChem.* 2014, 9, 1850-1859.

33. S. Saxena, J. Renuka, V.U. Jeankumar, P. Yogeewari, D. Sriram, Mycobacterial DNA gyrase B inhibitors: Ligand-based pharmacophore modeling and enzyme inhibition studies. *Curr. Topics Med. Chem.* 2014, 14, 1990-2005.
34. P.L. Reddy, M.L. Devi, S. Satyanarayana, A. Singh, T.V. Reddy, J.P. Sridevi, G.R. Sekhar, P. Yogeewari, D. Sriram, U.S.N. Murthy, R. Ummani, B.V.S. Reddy, R. Narender, Design, synthesis and antimycobacterial activity of 1,2,3,5-tetrasubstituted pyrrolyl-N-acetic acid derivatives. *Eur. J. Med. Chem.* 2014, 84, 118-126.
35. S. Saxena, J. Renuka, P. Yogeewari, D. Sriram, Discovery of novel mycobacterial DNA gyrase B inhibitors: In-silico and in-vitro biological evaluation. *Mol. Informatics*, 2014, 33, 597-609.
36. H.N. Nagesh, A. Suresh, S.D.S.S. Sairam, D. Sriram, P. Yogeewari, K.V.G. Chandra Sekhar, Design, synthesis and antimycobacterial evaluation of 1-(4-(2-substituted thiazol-4-yl)phenethyl)-4-(3-(4-substituted piperazin-1-yl)alkyl) piperazine hybrid analogues. *Eur. J. Med. Chem.* 2014, 84, 605-613.
37. K.A. Bobesh, J. Renuka, V.U. JeanKumar, S.K. Shruti, J.P. Sridevi, P. Yogeewari, D. Sriram, Extending the N-linked aminopiperidine class to the mycobacterial gyrase domain: Pharmacophore mapping from antibacterial leads. *Eur. J. Med. Chem.* 2014, 89, 593-604.
38. P. Ganesh, J.P. Sridevi, V.U. Jean Kumar, J. Renuka, S. Saxena, P.B. Devi, P. Yogeewari, D. Sriram, Development of benzo[d]oxazol-2(3H)-ones derivatives as novel inhibitors of *Mycobacterium tuberculosis* InhA. *Bioorg. Med. Chem.* 2014, 22, 6134-6145.
39. P. Ganesh, J.P. Sridevi, V.U. JeanKumar, S. Saxena, P.B. Devi, J. Renuka, P. Yogeewari, D. Sriram, Development of 2-(4-oxoquinazolin-3(4H)-yl)acetamide derivatives as novel enoyl-acyl carrier protein reductase (InhA) inhibitors for the treatment of tuberculosis. *Eur. J. Med. Chem.* 2014, 86, 613-627.
40. R.K. Mishra, R. Alokam, S.M. Singhal, G. Srivastav, D. Sriram, N.K. Basu, D. Manvar, P. Yogeewari, Design of novel Rho kinase inhibitors using energy-based pharmacophore modeling, shape-based screening, in-silico virtual screening and biological evaluation. *J. Chem. Inf. Model.* 2014, 54, 2876-2886.
41. J. Renuka, V.U. Jeankumar, K.A. Bobesh, V. Soni, P.B. Devi, V.K. Pulla, P. Suryadevara, K.S. Chennubhotla, P. Kulkarni, P. Yogeewari, D. Sriram, Structure-guided design and development of novel benzimidazole class of compounds targeting DNA gyrase B enzyme of *Staphylococcus aureus*. *Bioorg. Med. Chem.* 2014, 22, 5970-5987.
42. B.V.S.S. Kumar, D. Sriram, P. Yogeewari, Recent trends in library design and virtual screening in Medicinal Chemistry and Drug Discovery, *Curr. Top. Med. Chem.* 2014, 14, 1865.
43. K.M. Naidu, A. Suresh, J. Subbalakshmi, D. Sriram, P. Yogeewari, P. Raghavaiah, K.V. Chandrasekhar, Design, synthesis and antimycobacterial activity of various 3-(4-(substitutedsulphonyl)piperain-1-yl)benzo[d]oxazole derivatives, *Eur. J. Med. Chem.* 2014, 87C, 71-78.
44. K.I. Reddy, K. Srihari, J. Renuka, K.S. Shree, A. Chuppala, V.U. Jeankumar, J.P. Sridevi, K.S. Babu, P. Yogeewari, D. Sriram, An efficient synthesis and biological screening of benzofuran and benz[d]isothiazole derivatives for *Mycobacterium tuberculosis* DNA GyB inhibition, *Bioorg. Med. Chem.* 2014, 22, 6552-6563.
45. J.P. Sridevi, H.S. Anataraju, P. Kulkarni, P. Yogeewari, D. Sriram, Optimization and validation of *Mycobacterium marinum* induced adult zebra fish model for evaluation of oral antituberculosis drugs, *Int. J. Mycobacteriol.* 2014, 3, 259-267.
46. B.V. Kumar, D. Sriram, P. Yogeewari, Medicinal chemistry updates and discovery strategies on potential therapeutic targets. *Curr. Top. Med. Chem.* 2014, 14, 1939.
47. V. Vijayakumar, K.I. Reddy, A. Chuppala, K.S. Babu, M. Manisha, J.P. Sridevi, P. Yogeewari, D. Sriram, General and efficient synthesis of benzoxazol-2(3H)-ones: Evolution of its anticancer and antimycobacterial activities. *RSC Advances*, 2014, 4, 59594-59602.
48. M. Kratky, E. Novotna, S. Saxena, P. Yogeewari, D. Sriram, M. Sarvcova, J. Vinsova, Salicylanilide diethyl phosphates as potential inhibitors of some mycobacterial enzymes. *The Scientific World Journal*, Volume 2014, Article ID 703053, 6 pages.
49. S. Haddad, S. Boudriga, F. Porzia, A. Soldera, M. Askri, D. Sriram, P. Yogeewari, M. Knorr, Y. Rousselin, M. Kubicki, Synthesis of novel dispiropyrrrolothiazoles by three-component 1,3-dipolar cycloaddition and evaluation of their antimycobacterial activity. *RSC Advances*, 2014, 4, 59462-59471.
50. A. Jallapally, D. Addla, P. Yogeewari, D. Sriram, K. Srinivas, 2-Butyl-4-chloroimidazole based substituted piperazine-thiosemicarbazone hybrids as potent inhibitors of *Mycobacterium tuberculosis*, *Bioorg. Med. Chem. Lett.* 2014, 24, 5520-5524.
51. P. Suman, R.N. Rao, B.C. Raju, D. Sriram, P.V. Koushik, Anti-mycobacterial, cytotoxic activities of Knoevenagel and (E)- α,β -unsaturated esters and ketones from 2-chloronicotinaldehydes, *Med. Chem. Res.* 23, 199-206, 2014.

52. R. Kulkarni, V. Kumar, H. Babu, K. Kumar, N. Gaddam, A. Fatima, S. Muvvala, D.V. Bhikshapathi, D. Sriram, A. Garlapati, J. Vishnav, P. Gurav, Synthesis, antibacterial, antifungal and antitubercular activities of N-pyrazolylbenzamide derivatives, *Med. Chem.* 10, 220-227, 2014.
53. Rukaiyya Sirajuddin Khan, Mahibalan Senthil, Poorna Chandra Rao, Ameer Basha, Mallika Alvala, Dinesh Tummuri, Hironori Masubuti, Yoshinori Fujimoto, Ahil Sajeli Begum, "Antiproliferative constituents of *Abutilon indicum* leaves against U87MG human glioblastoma cells" *Natural Product Research*, DOI: 10.1080/14786419.2014.976643.
54. Sajeli Begum, Ameer Basha, G. Raghavendra, M. V. Nagesh Kumar, Yukthi Singh, Jagannath V Patil, Yuhei Tanemura, and Yoshinori Fujimoto, "Isolation and characterization of antimicrobial compounds from *Pseudomonas fluorescens* and their efficacy on sorghum grain mold fungi" *Chemistry and BioDiversity*, 2014, Vol 11 (1), 1-9, 92-100.
55. S. Mahibalan, A. Sajeli Begum, Ravi Sojitra, S. Ameer Basha, Sameer K. Chandavenkata and C. Sudhakar "Physico-Chemical Characterization of Spineless Safflower Petals and HPLC-Based Process Optimization for Extracting Quercetin-3-O-rutinoside" *Journal of Indian Chemical Society*, 2014, 91, 1-9.
56. Ameer Basha, Sajeli Begum, Raghavendra, "Search for agrochemical and heavy metal tolerant strains of *Pseudomonas fluorescens* and *Rhizobium*" *Indian Journal of Plant Protection* 2014, 42 (1), 71-77.
57. Ameer Basha, Sajeli Begum, Raghavendra, "Effect of various extracts of *Annona muricata*, *Abutilon indicum* and *Evolvulus alsinoides* extract on spore germination of sorghum grain mold fungi" *Int. J. Bioresource and Stress Management*. 2014, Vol 5(1), 102-106.
58. Ravi PR, Aditya N, Kathuria H, Malekar S and Vats R. Lipid nanoparticles for oral delivery of raloxifene: Optimization, stability, in vivo evaluation and uptake mechanism. *European Journal of Pharmaceutics and Biopharmaceutics*, 2014, 87(1):114-124.
59. Aditya N, Ravi PR, Avula USR and Vats R. Poly (ϵ -caprolactone) nanocapsules for oral delivery of raloxifene: process optimization by hybrid design approach, in vitro and in vivo evaluation. *Journal of Microencapsulation*, 2014, 31(5): 508-518.
60. Ravi PR, Vats R, Balija J, Adapa SP and Aditya N. Modified Pullulan Nanoparticles for Oral Delivery of anti-HIV Drug Lopinavir: Formulation and Pharmacokinetic Evaluation. *Carbohydrate Polymers*, 2014, 110: 320-328.
61. Jaipal, A., Pandey, M.M., Charde, S.Y., Effect of HPMC and Mannitol on Drug Release and Bioadhesion Behavior of Buccal Discs of Buspirone Hydrochloride: In-vitro and In-Vivo Pharmacokinetic Studies, *S. Journal of Pharmaceutical Sciences*, (DOI: [http:// dx.doi.org / 10.1016 / j. jsps.2014.11.012](http://dx.doi.org/10.1016/j.jsps.2014.11.012)).
62. Jaipal, A., Pandey, M.M., Charde, S.Y., Sadhu, N., Srinivas, A., Prasad, R.G., Controlled Release Effervescent Buccal Discs of Buspirone Hydrochloride: In-vitro and In-Vivo Evaluation Studies, *Drug Delivery*, In Press, DOI: 10.3109/10717544.2014.917388.
63. Raut, P.P., Sharma, A., Agarwal, G., Charde, S.Y., 2014. Quantitative Estimation of Artesunate and Amodiaquine HCl by High performance Thin Layer Chromatographic Method in Bulk and Pharmaceutical Formulations. *Journal of Liquid Chromatography and Related Technologies*, 37, 1568-1582.
64. Raut, P.P., Charde, S.Y., 2014. Simultaneous Estimation of Levodopa and Carbidopa by RP-HPLC using a Fluorescence Detector: Its Application to a Pharmaceutical Dosage Form, Luminescence, In press, DOI: 10.1002/bio.2618.

Conferences attended/papers presented:

1. Suman Labala, Praveen Kumar Mandapalli, Venkata Vamsi Krishna Venuganti. Layer-by-layer polymer coated gold nanoparticles for topical delivery of imatinib mesylate to treat melanoma. AAPS Annual Meeting and Exposition 2014, San Diego, USA. Nov' 2014 (S Labala received ICMR and CICS travel award for presentation).
2. Suman Labala, Praveen Kumar Mandapalli, Shubhmita Bhatnagar, Venkata Vamsi Krishna Venuganti. Preparation, characterization and protein deliverability of layer-by-layer microcapsules. AAPS Annual Meeting and Exposition 2014, San Diego, USA. Nov' 2014.
3. Praveen Kumar Mandapalli, Jagadeesh Balija, Suman Labala, Venkata Vamsi Krishna Venuganti. Preparation, characterization and in vivo evaluation of pirfenidone loaded layer-by-layer films for dermal wound management. AAPS Annual Meeting and Exposition 2014, San Diego, USA. Nov' 2014 (PK Mandapalli received DST, ICMR and CICS travel award for presentation).
4. Priyanka, P.; Aruna, M.; Banumurthy, N.L.; Yogeeswari, P.; Sriram, D. Effect of feature selection on Kinase Classification Models. International Conference on Computational Intelligence: Health and Diseases (CIHD), 27-28 December 2014, Vishakapatnam, India.

5. Priyanka, P., Reshma, A., Aruna, M., Yogeewari, P., Sriram, D., Comparative modeling combined with Molecular dynamics and Docking studies to identify potent inhibitors of PKMzeta and Biological evaluation. 9th Brain Research Conference: Neuroprotection: Basic mechanism and translational potential, 13-14th November 2014, Washington DC, USA.
6. Ganesh, S.; Radhika, N.; Devi, P.B.; Yogeewari, P.; Sriram, D. Design, synthesis and biological evaluation of 6-methylimidazo[2,1-b]thiazole-5-carboxylic acid derivatives as novel Mycobacterium tuberculosis pantothenate synthase inhibitors. 15th Tetrahedron Symposium- Asian Edition: Challenges in Bioorganic and Organic Medicinal Chemistry, 28-31 October 2014, Singapore.
7. Srikant, B., Methuku, S., Tharun, K.G., Shewta, M., Sridevi, J.P., Yogeewari, P., Sriram, D., Chakraborti, A.K., Alpha-Sulphonamidophosphonates and bis alpha-aminophosphonates: New leads towards infectious disease chemotherapy. 248th ACS National Meeting & Exposition, 10-14 August, San Francisco, CA, USA.
8. Renuka, J., JeanKumar, V., Bobesh, A., Vijay, S., Devi, P.B., Venkat, K.P., Priyanka, S., Keerthana, S., Pushkar, K., Yogeewari, P., Sriram, D., Design and biological evaluation of novel antibacterial inhibitors against DNA GyrB from clinical isolates of Staphylococcus aureus. Gordon Research Conferences, 10-15th August 2014, Maine, USA.
9. Srikanth, R., Reshma, A., Kulkarni, P., Sriram, D., Yogeewari, P., Structure-based drug design, synthesis and screening of Adenosine A2A antagonists as novel antiepileptic agents. 11th European Congress on Epileptology, 29th June-3rd July 2014, Stockholm, Sweden.
10. Kakan, S.K., JeanKumar, V.U., Devi, P.B., Shalini, S., Sriram, D., Yogeewari, P., Targeting Mycobacterium tuberculosis Lysine aminotransferase: Design, synthesis and in vitro evaluation of small molecule compounds. International Conference on "Drugs for the Future: Infectious Diseases", Antimicrobial Drug Discovery: Challenges and Perspectives, 27-28 March 2014, NIPER, Hyderabad, India.
11. Shravan, M, Renuka, J., Yogeewari, P., Sriram, D., Design and biological evaluation of novel Staphylococcus aureus DNA gyrase inhibitors. International Conference on "Drugs for the Future: Infectious Diseases", Antimicrobial Drug Discovery: Challenges and Perspectives, 27-28 March 2014, NIPER, Hyderabad, India.
12. Devi, P.B., Saxena, S., Sriram, D., Yogeewari, P., Screening and Identification of Potent Inhibitors against pantothenate synthetase- An important target Mycobacterium tuberculosis infection. 3rd ScienceOne Conference on Drug Discovery and Development (SCDDD), 21-23 January 2014, Dubai.
13. Yogeewari, P., Patrisha J.T., Sriram, D., Structure-based drug design utilizing multiple crystal structures to design anti-viral agents, 3rd ScienceOne Conference on Drug Discovery and Development (SCDDD), 21-23 January 2014, Dubai.
14. Cancer cell proliferation effect of iridoid glucosides isolated from Hedyotis umbellate. 15th Tetrahedron Symposium: Asia Edition, 2014, Oct28-31, Singapore.
15. Raut, P.P., Charde, S.Y., Design of Modified Release Multi-particulate Floating Drug Delivery System for Levodopa and Carbidopa Combination Based on a Multilayer Structure. 2014 AAPS Annual Meeting and Exposition, San Diego, CA, 2014.
16. Swati Biswas, Federico Perche, Vladimir Torchilin. Delivery of siRNA in solid tumors via a hypoxia-sensitive co-polymer Poster presented at first conference of International Conference of Chemical Biology (ICCB-2014) in Hyderabad, India, February, 6-8, 2014.
17. "Inhibition of HDAC3 for the Enhancement of Long-Term Memory" : Balaram Ghosh*, Surya A. Reis, Adam J Hendricks, Ralph Mazitschek, Stephen J. Haggarty; International conference on Chemical Biology: Disease Mechanism and Therapeutics (ICCB-2014) February 6-8, 2014, held at ICT, Hyderabad, India.

Invited Talks given by BITS faculty:

1. Prof. P. Yogeewari as Resource person and Speaker on "Sponsored Research Grants and Opportunities" at the "Workshop on Research Methodologies and Research Support" conducted by the Centre for Staff Training and Development (CSTD) at Dr. Ambedkar Open University, Hyderabad, 2-9 December 2014.
2. Prof. D. Sriram and Prof. P. Yogeewari were Invited Resource persons and Speakers in "Brainstorming session on Retrosynthesis" at the National Conference on Infectious Diseases-Medicinal Chemistry Perspective sponsored by DST & KSCTC, 29-30th August 2014, AIMS, Kochi, India.
3. Prof. P. Yogeewari as Resource person and Speaker on "Sponsored Research Grants and Opportunities" at the "Workshop on Research Methodologies and Research Support" conducted by the Centre for Staff Training and Development (CSTD) at Dr. Ambedkar Open University, Hyderabad, 2-9 December 2014.
4. Prof. D. Sriram and Prof. P. Yogeewari were Invited Resource persons and Speakers in "Brainstorming session on Retrosynthesis" at the National Conference on Infectious Diseases-Medicinal Chemistry Perspective sponsored by DST & KSCTC, 29-30th August 2014, AIMS, Kochi, India.

5. Prof. P. Yogeewari as Guest Speaker on "Think Beyond your Reach- A walk through on BITS Pilani programmes" organized as a part of Career Counselling Session to school students at VMJ School on 4th June 2014, Madurai, India.
6. Prof. P. Yogeewari as Invited Speaker on "IPR and Research Funding Opportunities" delivered at the 2-day "Research Methodology Workshop" organized by Centre of Excellence in Water Resource Management, BITS-Pilani, Hyderabad campus on 11-12 April 2014, Hyderabad, India.
7. Prof. P. Yogeewari as Invited Guest lecture on "Pharmacophore modeling at the crossroads of Ligand and Structure-based drug design strategies: A case study on HCV NS5B polymerase inhibitor design" delivered at the 2-Day Workshop on Computational Drug Design organized by Department of Chemistry, University College of Science, Osmania University, as a part of Celebrating Noble Prize in Computational Chemistry on 3-4 April 2014, Hyderabad, India.
8. Prof. P. Yogeewari was Invited Guest and Speaker on "In-Silico Drug Design: A tool to Identify Novel Chemical Entities" delivered at the APSCHE Sponsored National Level Seminar on Recent Trends and Applications of Software Tools in Pharmacy at PHARMASAGRA, on 9-10 January 2014, Karimnagar, India.
9. Dr. Vamsi delivered a talk on Transcutaneous drug delivery using polymeric nanocarriers during National Symposium on Recent Trends in Advanced Drug Delivery Systems organized by Jyothismati College of Pharmacy, August 22nd 2014, Hyderabad.
10. Dr. Vamsi delivered a talk on Nanocarriers for topical and transdermal drug delivery during Farmacia Festa National Symposium organized by Avanthi Institute of Pharmaceutical Sciences, March 22nd 2014, Hyderabad.
11. Dr. Shrikant Charde delivered a talk on In Vitro In Vivo Corelation and Biowaivers during Workshop on Dissolution Method Development: An Industry Perspective organized by KVSr Siddhartha College of Pharmacy, February 4-5, 2014 at Vijayawada.

Invited talks arranged in the department:

- Presenter: Prof. Joga Rao Gobburu, University of Maryland, USA
Title of talk: Impact of Pharmacometrics on Drug Development
Date: January 24, 2014
- Presenter: Dr Somali Misra Burgess, PRO Consultant, USA
Title of talk: Introduction to Patient Related Outcomes and Regulatory Considerations
Date: April 11, 2014

Awards and recognitions won by faculty and students

Prof. P. Yogeewari was conferred with IASP 2014 Award for Excellence in Pain Research and Management in Developing Countries under the Basic Science research category. She received the award at the 15th World Congress on Pain, Buenos Aires, Argentina, October 2014.

Faculty Development, International Collaboration & Industry Immersion

Faculty members of Department are collaborating with

- Rutgers The State University of New Jersey, New Jersey Medical School, Newark, New Jersey, USA
- Instituto Nacional de Ciencia e Tecnologia em Tuberculosis, MCT/CNPq, Porto Alegre, Brazil
- Faculty of Medicine of Porto, Porto, Portugal
- Bogomoletz Institute of Physiology National Academy of Science, Ukraine
- Pasteur Institute, University of Lille, France
- Karolinska Institute, Stockholm, Sweden
- University of Saskatchewan, Canada
- Freie University, Berlin, Germany
- University of Texas Southwestern Medical Center, USA

Significant new equipments/experimental facility added during the year:

Upgradation of the BSL-2b lab to BSL-3 was commissioned in this year as a part of Centre for Infectious Disease Research. Laboratory facilities that handle infectious agents are categorized by the Biological Safety Level (BSL) that corresponds to the risk level of the pathogens being handled. BSL-3 Laboratories are designated for "indigenous or exotic agents that may cause serious or potentially lethal disease through the inhalation route of exposure". Currently the lab has been utilized for the tuberculosis research in collaboration with WHO affiliated national Institute for Tuberculosis Research at Chennai and would be extended to other infectious agents.

Following major equipment were added to various laboratories of the Department during the year.

Name of Equipment/ instrument	Make & model
Texture Analyzer	Stable Microsystems
Inverted fluorescence microscope	Olympus IX53
Small volume spectrophotometer	Eppendorf BioSpectrometer

Departmental association/club activities:

Pharmaceutical association came up with three issues of PROBE magazine during the year 2014. This is a magazine that provides first degree, higher degree and PhD students an opportunity to wise their views on various scientific topics. Association conducted a freshmen orientation program for newly admitted B. Pharm and M. Pharm students.

Major maintenance, renovations or new construction reports: NA**Major equipments acquired during the year: NA****B3.10.12 Physics**

Number of faculty members : 14

Senior Professors, Professors	01
Associate Professors	01
Assistant Professors	12
Lecturers	-
Visiting Faculty	-

Head of the Department: Dr.Aravinda.N.Raghavan

Contact details: Email: raghavan@hyderabad.bits-pilani.ac.in Phone: +91-40-66303530

Number of PhD Scholars:

Full time: 07; Part time: 02; Project fellow: 01

Sponsored Research Activities : Ongoing Projects:

S. No	Project Name	Principal Investigator	Funding Agency	Sanctioned Amount (Lakhs)	Duration
1	AC Impedance Measurement of Structures of various shapes.	Prof. Souri Banerjee	CSIR	2226000	2013-2016
2	Development of magneto impedance sensor for Bio cells detection.	Dr.V. Satya Narayana Murthy	DST	2268000	2012-2015
3	On the Formation of dwarf Elliptical Galaxies	Dr. Rahul Nigam	UGC-FS	540000	2013-2015
4	Investigation of Magneto-optical effects in composite magneto-plasmonic nanostructures for sensing application	Dr. Kannan Ramaswamy	DST	3270000	2013-2016
5	Study of De coherence and	Dr.KVS Shiv	DST-FT	1416000	2013-2016

	Entanglement in Non Linear Systems and Their Application	chaitanya			
6	Gravitational waves from oscillations and instabilities in neutron stars	Dr Sarmistha Banik	DST-Young Scientist	1476000	2014-2017

Publications:

1. S. Banik, M. Hempel, D. Bandyopadhyay, "New hyperon equations of state for supernovae and neutron stars in density dependent hadron field theory" The Astrophysical Journal Supplement, Volume 214, Page No 22 (2014).
2. P. Char, S. Banik "Massive neutron stars with antikaon condensates in a density-dependent hadron field theory" Phy. Rev C 90, Page No 015801 (2014).
3. S. Banik, Probing the metastability of a proton-neutron star with hyperons in a core-collapse supernova, Phy. Rev C 89, Page No 035807 (2014).
4. Gregory L. Olsen, Adonis Lupulescu, Jean-Nicolas Dumez, Lyndon Emsley, and Lucio Frydman, Homonuclear Decoupling of ^1H Dipolar Interactions in Solids by means of Heteronuclear Recoupling, Isr. J. Chem. 54, Page No 154–162 (2014)
5. Kevin J. Donovan, Adonis Lupulescu, and Lucio Frydman, Heteronuclear Cross-Relaxation Effects in the NMR Spectroscopy of Hyperpolarized Targets, Chem. Phys. Chem 15, Page No 436 – 443 (2014)
6. Hari Krishnan, Vimarsh Srivastava, Astha Sethi and Kannan Ramaswamy, Optical Absorption of a Silicon Substrate Dressed with Metallic Nanostructures: A Computational Study, Advanced Science Letters, Volume 20, Issue (7/8/9), Page No 1325-1330, (2014)
7. Dr. Rahul Nigam, A Review of Conformal Field Theory in 2D, Page No 1079-1105, Journal of Advances in Physics
8. Dr. Rahul Nigam, Role of Magnetic field in structure formation (Communicated to Astrophysical Journal)
9. Asrarul Haque, A Simple Derivation of Lorentz Self-force. Eur. J. Phys. Volume 35 (2014) Page No 055006 (8pp).
10. Asrarul Haque, Causality in Classical Physics. RESONANCE, Page No 523, arXiv:1312.2656, June 2014 [physics.class-ph].
11. K. V. S. Shiv Chaitanya, Sibasish Ghosh, V. Srinivasan; "Entanglement in two-site Bose–Hubbard model with non-linear dissipation" Accepted for publication in J of Mod Opts, Volume 61, issue 17, Page No 1409, 2014 (2014).
12. A. S. Vytheeswaran, K. V. S. Shiv Chaitanya, Prasanta K. Panigrahi, V. Srinivasan, "The Kerr medium as an $\text{SU}(2)$ system" The European Physical Journal B, Volume 87, Page No 207 (2014)
13. K V S Shiv Chaitanya. "Stieltjes Electrostatic Model Interpretation for Bound State Problems" Pramana: Volume 83, Issue 1, 139, (2014).
14. K.V.S. Shiv Chaitanya, S. Sree Ranjani, Prasanth K. Panigrahi, R Radhakrishnan and V. Srinivasan. ; Exceptional Polynomials and SUSY Quantum Mechanics accepted for publication in Pramana, (2014).
15. B. Rajesh Kannan, S. Kalidhasan, A. Santhana Krishna Kumar, N. Rajesh and B. Harihara Venkataraman "An integrated use of Biopolymer-Ceramic composites towards capacitor and environmental application Polymer - Plastics Technology and Engineering, Volume 53, Page No 626, (2014)
16. Effect of rare earth ion doping on the structural, microstructural and diffused phase transition characteristics of $\text{BaBi}_2\text{Nb}_2\text{O}_9$ relaxor ferroelectrics B. Rajesh Kannan and B. Harihara Venkataraman Ceramics International, Volume 40, Page No. 16365 (2014)
17. Influence of samarium doping on structural and dielectric properties of strontium bismuth tantalate ceramics derived by molten salt synthesis route B. Rajesh Kannan and B. Harihara Venkataraman Journal of Materials Science : Materials in Electronics, Volume 25, Page No 4943 (2014)
18. Structural and dielectric properties of strontium bismuth samarium tantalate layered perovskites B. Rajesh Kannan and B. Harihara Venkataraman Ferroelectric Letters, (Accepted, In Press, 2014).

Conferences attended/papers presented:

1. "Trapping of DNA molecules under electrokinetic effect within microelectrodes" S. Ghonge, S. Kapur S. Banerjee, International conference on COMSOL Multiphysics at Bangalore Oct 2014.
2. "Solution to trap polarizable particles within triangular electrodes under electrokinetic effect International conference on MEMS & Sensors, IIT Madras Dec 2014

3. "Natural vs Manmade scene classification using Statistics of straight lines" Vimal S.P. G.Bharat, Vinod P. Arshdeep Singh Takkar and P.K.Thiruvikraman, pp 1015-1020, International Conference on Advances in Computing, Communications and Informatics (ICACCI, 2014)
4. Srinivasa Prakash Regalla, Pavan Kumar Gurralla, Sridhar Idapalapati and Kannan Ramaswamy Strength and Accuracy of FDM Parts and Their Implication on Some New Application Areas of Additive Manufacturing, Pro-AM2014, 2014, Singapore.
5. N. Srinivasa Rao, Avinash Panda, Hemanth Narsetti, Balaji Gopalan, Krishnan Rangan and Kannan Ramaswamy, Investigations of Faraday Rotation in Fe₃O₄ and core-shell Fe₃O₄@Au nanoparticles, National Conference on Advanced Materials for Defense and Aerospace Applications, AMDA2014, 2014, Hyderabad, India
6. Cost Effective microfluidic channel fabrication by soft lithography. Y. Subba Rao, R. Aravinda Narayanan and V. Meenakshi. "International Conference on Innovations and future research dimensions on Nano-BiopharmaceuticalTechnology" (7 - 8 October, 2014).
7. Investigations on the effect of Polyvinylidene fluoride patterning in microfluidic channels, Y.V.Subba Rao, B.Krishna karthick, V.Sruthi, Aravinda N.Raghavan and Meenakshi V. National Conference on Advanced Materials for Defence and Aerospace Applications, Dec. 22, 2014, BITS Pilani, Hyderabad Campus.
8. Temperature - Dependent Dielectric and Electrical Characteristics of Undoped and Samarium Doped SrBi₂Ta₂O₉ Ferroelectric Ceramics B. Rajesh Kannan and B.Harihara Venkataraman 14th Asian Conference on Solid State Ionics, National University of Singapore, Singapore. June 24 - 27, 2014
9. Rare Earth Doped BaBi₂Nb₂O₉ Ferroelectrics for Memory Storage Device Applications B. Rajesh Kannan and B.Harihara Venkataraman Indo- UK International workshop on advanced materials and their applications in Nanotechnology, BITS Pilani - Goa campus, Goa, India May 17 - 19, 2014
10. Microstructural and dielectric properties of undoped and samarium doped barium bismuth niobate ferroelectric ceramics synthesized by molten - salt flux route B. Rajesh Kannan and B. Harihara Venkataraman International Conference on Advanced Functional Materials, NIIST, and Trivandrum February 19 - 21, 2014
11. N. V. S. S. Seshagiri Rao, V. Satya Narayana Murthy and J. Arout Chelvane (2014) Magnetoimpedance study on Co₆₉Fe₇Si₁₄B₁₀ multilayer at low frequencies, Presented in International Conference on Magnetic Materials and Applications (ICMAGMA), held in Pondicherry University, India.
12. N. V. S. S. Seshagiri Rao and V. Satya Narayana Murthy (2014) 2D micromagnetic simulations of permanent circular nanostructures, Presented in National Conference on Advanced materials for Defense and Aerospace Applications (AMDA), held in Bits Hyderabad
13. Rahul Nigam, Sunil Mukhi, Decay of Dyonic Black Holes, WCSET - 27th - 29th Sept. 2014, Kathmandu
14. Dr. Sarmistha Banik delivered a lecture on 'Equation of state for supernova and neutron stars in a relativistic mean field model with density dependent couplings' at PANIC2014, Hamburg, Germany, August, 2014.

Invited Talks given by BITS faculty:

- Dr.P.K.Thiruvikraman Delivered an invited lecture on "Automatic Classification of Images" in the Technical Festival conducted by Avanthi group of Institutions, Hyderabad.
- Dr.Kannan Ramaswamy Delivered an invited lecture on "Nanoplasmonics-Route to ultrasensitive biosensing" in the National Seminar conducted by Avanthi group of Institutions, Hyderabad, January 21st, 2014.
- Dr. Rahul Nigam delivered an invited talk on 'New Hyperon Equations of State for Supernovae and Neutron Stars' at NEOS2014 at Frankfurt, Germany, December 2014.
- Dr. Rahul Nigam delivered an invited talk on 'Equation of state for supernova simulations' at Neutron Stars: A brainstorming workshop at NCRA-TIFR, Pune, November 2014.

Invited talks arranged in the department:

- Invited talk (March 14th, 2014) by Prof. Prasanta Tripathy on "STRING COMPACTIFICATIONS" from IIT Madras.
- Invited talk (March 7th, 2014) by Prof. R. Ramaswamy on "Physical perspectives in the biological sciences" from University of Hyderabad

Faculty Development, International Collaboration & Industry Immersion:

- Dr.Aravinda.N. Raghavan, Coordinated and conducted "Outcome based Intensive Teaching Workshop" for faculty members from Madanapalli Institute of Technology & Science between August 22-24, 2014 and November 14-16, 2014.

- Dr.Aravinda.N. Raghavan,Conducted Physics workshop for faculty members from Madanapalle Institute of Technology & Science (August 22-24, 2014 & November 14-16, 2014)
- Dr.Meenakshi Viswanathan,conducted a subject workshop in Physics for faculty members of Madanapalli Institute of Technology & Science (MITS) during August 22-24, 2014 and November 14-16, 2014.
- Dr.Sasideep Gutti,Tutored in DST sponsored SERC school held at BITS on the topic "General Relativity"
- Dr.Rahul Nigam, Ongoing collaborations with Prof. Shiv Sethi, RRI, Prof. Swarnendu Sarkar, Delhi University, Prof. Tirthankar Roy Chowdhary, NCRA, TIFR , Prof Tarun Souradeep, IUCAA, Prof. Pavel Kroupa, Univ of Bonn and Prof. Lars Hernquist, Harvard University.
- Dr.Rahul Nigam, Organised a 1 month long DST sponsored workshop in High Energy Physics. Delivered public lectures in String Theory at BITS during ATMOS and at Lamakaan.
- Dr.Sarmistha Banik, Ongoing international collaboration with Caltech, USA and University of Basel. Switzerland.

Significant new equipments/experimental facility added during the year:

- Magneto Optical Measurement System.
- Dell server for computation under DST-Young scientist project of Dr Sarmistha Banik

Departmental association/club activities:

Faculty Incharge of Physics Association:

- Mentored the physics students in the conduction of various events at Atmos technical festival.
- Helped organize Fresher's welcome event and outgoing student's Farewell event.
- Helped students organize talks during Atmos (Prof Sriram Ramaswamy, Dr Rahul Nigam)

Major maintenance, renovations or new construction reports : NIL

B3.11 DIVISION/UNIT/CENTER-WISE ACTIVITY HIGHLIGHTS

Director's International Visits and Awards

Prof V S Rao, Director, BITS Pilani, Hyderabad campus visited Taiwan to attend the Intel Asia Innovation Summit. He participated in the panel discussion on the theme "Beyond the Internet of Things – the Next Big thing" from November 18-19, 2014.

He has been conferred upon the Chancellor's recognition "Demonstrated Excellence in Building an Institution" in 2014.

Prof V S Rao was honored in BITSAA Global Meet '14 for his contribution to "Making Learning a Wonderful Experience."

Currently, he is also a member of the High Power Committee for advising the AP Government on the Private Education Bill.

RESEARCH AND DEVELOPMENT

The education system offers several opportunities to members of faculty to pursue research and involve students at all different levels through specialized projects, in the chosen research area. Research is promoted in the institution through the faculty development scheme and by encouraging faculty members to obtain funding from national and international agencies for sponsored research projects and to provide consultancy services. Presently, there are **23** faculty members and **174** research scholars, pursuing Ph. D. programs in identified thrust areas.

There are 19 research projects funded by various National and International funding agencies for about Rs.5,48,34,954. Details of approved research projects are enclosed in **Annexure 6(Part B3)**.

Ph.D. Qualifying Examination

Ph.D. qualifying examination was conducted at Hyderabad campus during the two semesters of (Feb and Sep) 2014. **44** candidates were declared successful in this examination.

CENTRAL FACILITIES REPORT

LIBRARY

The library is very spacious with 45000 sqft area in two floors, fully air-conditioned, with modern and comfortable furniture for the users. Library has a seating capacity of 450 readers. It remains open from 0900 to 2300 hrs on all working days (except National Holidays) and from 0900 to 1700 hrs during weekends and other holidays.

The library has been using the LIBSYS Library Management Software for all its housekeeping activities. The library internet site has got the Web OPAC (Web enabled Online Public Access Catalogue). A facility on LIBSYS Web OPAC includes advance search options for books, journals, theses, CDs etc. The library site has been linked with the institute home page for external access. Students can access the library catalogue and the e-resources from their hostel rooms through LAN.

The library renders standard services like issuing of books; attending to reference queries, providing photocopies, inter library loans, etc for the faculty and students of the institute. The following are the highlights.

Acquisition Section

The Library has a collection of 24600 volumes and 4000 new volumes were added to the existing collection this year in different disciplines. These include emerging areas like Lean Technology, Leadership, Digital Libraries, Earthquake Engineering, Wireless Communication, Signal Processing, Robotics, Nano-technology, Micro-electromechanical Systems (MEMS), Bio-informatics, Biotechnology, Geographical Information Systems, Network Security, Embedded Systems, Grid Computing, Pervasive Computing, Software Testing and Data Warehousing/ Mining. A good number of fiction, general reading books, and case studies in Management, latest editions of handbooks, encyclopedias, yearbooks and books which are useful for campus recruitment were also added this year.

E-resources

Access to over 3400 e-journals and other important websites have been provided on the library site. Under the INDEST –AICTUE consortium, e-journals of the following publishers were made available:

- American society of civil Engineers (ASCE)
- American Society of Mechanical Engineers (ASME)
- IEEE Explore
- Science Direct
- ACM
- We are also an Associate Member of INFLIBNET and subscribed to the following Journals:
- JSTORE
- IOP (Institute of Physics)
- Nature

Journals: Presently the Library subscribes to 85 printed journals including foreign journals. Useful articles, news, newspaper clippings are displayed on the notice board for the information of the readers. Besides, articles authored by institute faculty are displayed in a prominent place in the library.

Other Services

1. The library continues to keep the readers informed every week through regular display of all the books added to the library. A list of weekly/monthly additions is also made available to readers on the library site and also through e-mail to all the faculty. Special topical displays are also organized periodically.
2. The library facilitates in the Earn While You Learn Programme of the Institute wherein students assist in the library jobs like book data entry, spine labeling of books, bar-coding of books etc
3. Organized a Book Festival in association with Book Syndicate, our campus book store in November 2014. During the Book Festival faculty members were encouraged to suggest books for the library.
4. Free wireless internet (WIFI) access is available in the library

Library Statistics

The Library collection is growing steadily. The following table shows some of the significant statistical data:

1	Current library holdings	24600
2	Average number of books issued per day	162
3	Average number of readers visiting the library per day	960
4	Books added during the year	4000

6	Number of print Journals subscribed	85
7	E journals made available on library site	3450
8	CD-ROM Collection	1221
9	Educational Video/DVD Collection	102
10	Total number of reading seats in the library	450
11	Library membership	3850

CENTRAL WORKSHOP

The Central Workshop imparts training to students and caters to the maintenance & fabrication needs of the Institute. Students' training involves training all first degree students through the course "Workshop Practice" by imparting skills in various manufacturing processes like machining, fitting, carpentry, smithy, foundry, sheet metal, electroplating and welding etc. In addition, we have been conducting two computer oriented experiments, i.e., CNC Programming & Manufacturing Simulation. Students are also imparted in-depth training in other courses such as "Production Techniques-I and II" and "Computer Aided Manufacturing".

Apart from routine maintenance and training, the workshop also accepts fabrication jobs concerning the project works of students.

The workshop comprises the following sections: Machine shop, Welding, Electroplating, Fitting, Smithy, Sheet Metal, Carpentry, Foundry and Metrology. Major equipments include 1 Vertical Machining Center (Bridgeport VMC GX600), 1 EDM Wire cut (Model: SPRINT CUT), 1 CNC Lathe(Model PTC- 200), 1 Hydraulic press with computer control(40T), 9 Lathes, 2 Shapers, 1 Radial Drilling Machine, 1 Universal Milling Machine with indexing attachment, 1 Cylindrical Grinding Machine with internal grinding attachment, 1 Surface Grinding Machine, 1 Tool and Cutter Grinder, 1 Pedestal Grinder, 1 Slotting Machine, 1 Power Shearing Machine(Vivek Brand), 1 Portable Drilling Machine, 1 Injection Moulding Machine, 1 TIG Welding Machine, 1 Spot Welding Machine, Mold Testing Equipment ,1 Open-hearth furnace for smithy, 1 Gas-fired furnace for foundry, 5 Wood-working Lathes, 2 Arc-welding equipments, 1 Oxy-Acetylene gas welding equipment, 1 Gauge planner for wood works, metrology instruments, 1 Power Hacksaw and Electroplating equipment (zinc coating).

COMMUNITY WELFARE UNIT

The community welfare unit (CWU) coordinates the welfare and recreational activities of the students and staff members of the institute. In 2014, two new doctors were appointed in the medical centre and consultants in specialized fields visited the medical centre regularly. A new lab technician has also been appointed and efforts are underway to setup a lab. Till then, the diagnostic needs of the campus residents are taken care of by trained staff visiting the medical centre from medicity twice a week to collect the samples.

The community celebrated for the first time a week long Ganesh Puja and Durga Puja in the new stage in childrens Park. The celebrations ended with cultural performance from kids and adults in the community. The Independence Day and Republic Day celebrations in the campus were also organized by the CWU. Professionals visit the campus to teach musical instruments, classical Dance, keyboard, Yoga and Karate. Community also actively contributed to organizations like YUVA in their clothes collection drive for old-age homes and orphanages. Childrens day was organized by CWU in the childrenspark with lots of games and funtime for kids.

B3.12 STUDENTS ACTIVITIES, ACHIEVEMENTS, SCHOLARSHIPS, CULTURAL AND ACADEMIC FESTIVALS

The campus has been bustling with activities of various clubs and associations in which students actively participated.

Clubs

The following established clubs have accelerated their activities by organizing various events and competitions on campus.

<ul style="list-style-type: none"> • Astronomy Club • Bulls n Bears club • Crux Club • Dance Club • Dramatics Club • Shades Club 	<ul style="list-style-type: none"> • English Language Activities Society (ELAS) • Journal Club • Music Club • Photography Club • Quiz Club • VFX Club 	<ul style="list-style-type: none"> • Automation and Robotics Club • Martial arts Club • Media Arts and Design Club • Remote Control Club • Film Making Club
--	---	--

Apart from these clubs, there are regional associations which depict their unique culture and tradition through various regional celebrations. Also, the advent of societies has given students to work on their interests in an informal setting.

Scholarships:

Following scholarships are availed by the students of Hyderabad campus and the number of students who received them for this academic year is:

Merit Scholarship – 162 students
Merit Cum Need Scholarship – 1229 students
BITSAA Scholarship – 1 Student

Social and Environmental Activities:

There are many social organizations actively working on campus like NIRMAAN, YUVA (Youth under visionary action), HOPE and SIRI (society involved in reinventing India on campus).

We have various events on campus like Cloth Donation, Tree Plantation, Blood Donation, Campus Clean Up programs, Career Planning, Medical Camps, Campus Tour for School Students.

SCIO:

Veda

A precursor session was conducted for students of Class XI and XII from schools in and around Hyderabad on January 19, 2014 regarding "Future career prospects in Engineering and sciences". Mrs. Vanitha Datla, CFO of Elico Ltd; Dr. Chandu Parimi, ASTP, BITS Pilani Hyderabad Campus and Prof. P.K. Thiruvikraman, Associate Dean, BITS Pilani Hyderabad Campus were the speakers. Apart from VEDA, counseling sessions were also organized in government schools in Shameerpet, Hyderabad.

SCIO FOUNDATION organized its latest edition of VEDA, VEDA 3.0, on 19th of October, 2014. This Semester's edition, apart from counseling sessions, also hosted an online aptitude test. One Mr. Chandra Shekar scored 100 out of 120 and topped the aptitude test. In its latest edition, VEDA saw a foot fall of 1000 students coming from many educational institutes in Hyderabad- Sivam Junior College, Delta junior college, St Patricks Junior college, Sarath junior college, Nano academy, Sanjeevini junior college, CRPF public school, narayana junior college, chaitanya junior college, Ramaiah IIT Study circle and FIITJEE.

The event was graced by the presence of Mr. Amarnath Reddy Atmakuri – Chief Relations & Strategy Officer, IT Department, Government of Telangana, who inspired and encouraged young students to become entrepreneurs. Mr. Vikram Thummala – DIG of Police, NISA, the Guest of Honour for the event emphasized that students need to be determined on their goals and work hard right from high school to be successful in life.

Arena

First National wide Sports Festival ARENA-2013 was conducted on April 5, 6 & 7th with participation of 35 colleges in various events like Foot Ball, Volley Ball, Basket Ball and Tennis.

ARENA is the annual sports festival of BITS-Pilani Hyderabad campus was conducted on Jan30th to Feb 2nd. Arena was launched to bring out the sporting spirit in students from different parts of the country, and to create an opportunity for them to take part in various sporting disciplines, over a period of three days. Arena'14 saw around 2400 participants from all across the nation participating in many indoor and outdoor sports events, held for both boys and girls. There was a footfall of 4500. The fest offered a comprehensive entertainment and sportive atmosphere, not only competitions but also extravagant entertainment and professional shows.

Pearl 2014

Pearl, the annual National Cultural Festival entered the 4th edition. With headlining acts by Wolfmother and Javed Ali, Pearl has now become a fest of National repute. With almost 2000 students Participating in it, Pearl is one of the most sought after festivals in India. March 6th - March 9th 2014. The headlining acts were:

1. Classical Performance by Ganesh Kumaresh
2. International Rock Show by Grammy award winning Wolfmother
3. Bollywood Show by Javed Ali
4. DJ night by Electrovertz.

Convocation-2014:

Convocation was conducted on 10.08.2014, Chief Guest Padma Bhushan, K.RadhaKrishnan, Chairman, ISRO, Vice Chancellor Prof. B.N.Jain have participated in the Third Convocation of the campus for award of various degrees (First Degree, Higher Degree) who have qualified in second Semester 2013-14.

Ms. Harshitha S K, 2009B5A3364H, Mr. Mayank Singh, 2010A2PS315H and Mr. Malde Nishit Ketan, 2010AAPS017H were the winners of the gold, silver and bronze medal.

Lecture Series:

BITS Embryo conducted Series of Lectures in the Academic Year as follows:

14-Aug	Dr. N Jeremy Kasdin	Discovering Other Earths : Technologies for imaging extrasolar rocky planets from space
25-Aug	Mr. Deepak Joshi and Mr.Prabhav Parik	Civil Services,Panel Discussion

- Spreading knowledge about Finance to all the students on Campus and lecture series
- organized by Bulls n Bears
- Guest Lecture on Entrepreneurship as a Career was conducted by Alumni Affairs unit
- Guest Lecture on Occupational Health Hazards
- Awareness Program on entry through Young Leaders Program into Indian School of Business.

Paint My School Program: This program is something very own to our own chapter. This semester's Paint my school was conducted in the special school for Disabled children in Jawahar nagar. We intend to provide them with physiotherapy kits next semester.

A workshop on was "Energy and Carbon Foot printing Analysis" was conducted on September 06, 2014. Renowned researcher and environmentalist, Mr.Sagar Dhara of CERENA foundation was the speaker of the day. The workshop was primarily focussed on carbon foot printing calculation, result analysis and methods to reduce carbon footprints. This workshop is to enlighten the youth about environment degradation and it's after effects and to promote a spirit of sustainable development among them.

IIT vs BITS

This year also witnessed a bilateral Sports event with the IIT-Hyderabad team,an event on campus. BITS had a satisfactory performance with seven victories in eight events. IIT-Hyderabad was quite impressive with their fair play in all the events.

The SAC consist of State-of-the-art GYM separate for Boys and Girls. The Boys section is equipped with strength gaining single and multi-sections machines, electrical trainers and treadmills. While the Girls section is consist of Cardio Fitness machines, including electrical trainers and treadmills. Two Badminton courts with maple wood flooring, five Table Tennis tables, 16 carom boards, 30 chess sets and 3 Pool Tables are also available in the SAC.

Apart from indoor games Two Basketball and Two Lawn Tennis Nova acrylic cushion surface courts are also available with chain link fencing and flood lights.

We have also started our own football league LA LIGA. With a huge participation, it helped in spreading football culture on campus. Dr.S.S.Deshmukh was the chief guest and he gave away the winner's trophy to Agastya Narumanchi's team.

Awards and recognitions won by students: In BOSM -2014

- Badminton Girls Team won 1 Gold
- Swimming Mr. Aishwary Joshi, ID No. 2014B1PS633H won 1 Gold and 1 Silver,Ms.Sakshi Gupta 2012B3PS713H won 2 Bronze,Mr.Surya Tej Boddu,2012AB953H won 1 silver and Swimming team won 1 Silver
- Power Lifting : Mr. Imam Ali, 2012A1PS323H, was won 1 Silver Medal and 1 Silver in Power Lifting.
- The Table Tennis Girls team won Silver
- Mr. Kakarla Yogeswara Naidu,2011AAPS082H won Gold medal in Javelin Throw
- The Football Team won Silver
- Athletics: Mr. Prajeeth Prabhu,2012ABPS547H won 2 Bronze medals

NSS Quiz

The NSS quiz was conducted for Atmos 2014 in a bid to raise awareness for social causes, biodiversity and poverty. The quiz was conducted successfully and even when many other events were going on, around 30 people participated. The participant response to the quiz was wonderful and we are sure many of them googled up the issues raised in the form of thought-provoking questions. The first position was shared by M Sree Nihit and Sreenath Mallela, followed by a tie breaker round, the result of which was again a tie. The prizes of Rs 500 were given to both of them.

SMC Badminton Tournament

- K Chandra Sekhar and Aakash Nair bagged Silver Medals in a doubles tournament conducted by SMC Sports Foundation in Hyderabad.

Lecture Series:

BITS Embryo conducted Series of Lectures in the Academic Year as follows:

Date	Speaker	Topic
25-Sep	Dr.Maitreya Natu	Smart Building and Smart Grids : Sense analyze and control
26-Sep	Mr.Ravikant Konteti	Investment Banking:All you ever wanted to know

NSS Blood Camp

NSS conducted a blood camp in combination with Red Cross Society on 9th and 10th October, 2014 during Atmos, the Annual National Technical Festival at Bits-Pilani Hyderabad Campus, Hyderabad. We have witnessed a tremendous turn out on both of these days with 124 students donating their blood on both days. 22 Volunteers have worked for this blood camp taking their shifts for every 2 hours on both days.

NSS has adopted Thumukunta School. It teaches their academics for both English medium and Telugu medium students. In addition to this NSS volunteers are teaching English & personality development for 8th and 9th students.

ATMOS

The Annual National Techno Management Fest of Bits Pilani Hyderabad Campus was inaugurated by Chief Guest Mr.K.T.Rama Rao, Honorable minister for Information Technology and Panchayati Raj, for Telangana state on October 09, 2014 in the institute Auditorium.

The chief guest expressed his happiness to be a part of the technological extravaganza. He stressed on improving the entrepreneurial culture among the students and congratulated BITS for its technological excellence. Professor V.S.Rao, Director spoke about the technological culture on campus that focuses on innovation and entrepreneurship.

The three day fest saw participation of 40 colleges in various technical events, competitions and workshops. Atmos-2014 witnessed a footfall of 1600 students from outside the campus.

There was a professional show performed by "Paradigm Shift" band. For the first time the inauguration of a fest was conducted in the Auditorium. It was magnificent. Atmos-2014 witnessed a footfall of 1600 students from outside the campus. The perfect balance of technical activities and informal events lit up the festival and made sure that everyone who participated had a memorable experience. For the first time, the Visual effects club has made an animated trailer for the festival which attracted and amazed the entire student body.

A total of 10 Departments worked for making this festival a grand success. The department of Sponsorship raised around 19 Lakhs in the span of a month and a half which is a commendable effort. Apart from the departments like DoSM, DePP, Dove, DoPY, DoSH, Controlz, Informalz and Arts n Deco which especially made the fest look more attractive to the eye. The technical associations like Computer Science Association, Phoenix(electrical), Civil Engineering Association, Mechanical Engineering Association, Chemical Engineering Association(ACE), Mathematics Association(Axiom), Physics Association, Alchemy(Chemistry), Biology Association(Synapsis), Economics Association and Pharmacy Association(Pangea) also contributed a lot in organizing a total of 16 workshops like National Instruments workshop, Augmented reality workshop, Ansys workshop and Skyfi workshop, Cantilever workshop and many more.

Invited eminent speakers gave guest lectures. In this big event on campus, students participated under several departments to make it a huge success.

Date	Speaker	Topic
10-Oct	Mr.Shankar Muralidharan	Integrating Technology with Entrepreneurship and Employability
10-Oct	Mr.Abhilash Inumella	Atmos Conclave
11-Oct	Mr.RamBhadram Thirumalai	Atmos Conclave
12-Oct	Mr.N.V.S.Reddy	Atmos Conclave
12-Oct	Mr. Anirudh Sharma	Atmos Conclave
16-Oct	Mr.Vinodh Balasubramaniam	Data Mining

Nirmaan:**SAP (School adoption Program):**

Focusing on the quality of education offered at the Government schools, our project also aims at bridging the huge void created by the lack of English language skills to the kids there. We adopted 4 Govt. Schools near our campus.

Project SAAKAR: 10 underprivileged women were selected from the village of pothaipalli and they were trained in candle making following which raw material for making candles was supplied to them for making candles. These candles were marketed by Nirmaan Volunteers and the profits were equally distributed among the women. We hope to scale up the project to include 20 Beneficiaries from next year.

- ATMOS Stall: Products made by the women of the livelihoods project were put for sale. Also a fundraising initiative was accommodated.
- Wish Tree: As a part of Joy of Giving Week, wishes of school children were put up on the tree. We were able to collect Rs. 4000 from this initiative.
- Come Be My Teacher: During ATMOS, 70 Kids from local Government school were brought to the campus. An outdoor classroom was arranged. Visitors willingly taught many things from vedic maths to art to the children.
- Hudhud Relief Program: We reacted to the call for help immediately and with the support of the administration raised Rs. 2,37,000 in just 2 days. 10 Volunteers with a truck full of supplies including 1100kgs of rice, 1000 Blankets and Mosquito coils were transported to the village of Saitharupeta in Vishakapatnam District. We were able to help 600 families in instant relief from the cyclone.
- SAHARA Donation Drive: Donations collected from the Previous semester's collection drive including mattresses and clothes were donated to 10 different orphanages across the city.
- The student union elections were conducted by the Election Commission on 27.08.2014 to elect the office bearers of the Students Union Council for the academic year 2014-15.
- Independence day celebrations in all the schools we are working in.
- JSS Certification Program: Second Batch of women from the vocational training centre certified by JSS Organization

RIXA-14

The Annual Inter Bhawan Sports Festival of BITS-Pilani, Hyderabad campus commenced on 6th November, 2014 saw the participation of students in different sports like Cricket, Football, Carroms, Volleyball, Athletics etc. Budh Bhawan and Malaviya Bhawan registered success by standing first in this event. This was an event which had inclusive participation, with the sporting culture on campus getting a shot in the arm. The event came to a conclusion after four days of sporting action on 10th November, 2014.

- Project SAAKSHAR: This initiative of the Community Development team is aimed at equipping rural women in daily activities of the outside world. As a pilot, filling various bank forms was taught to them.
- Childrens day celebrations: Competitions including aptitude tests were conducted in the schools and prizes were distributed.
- Annual day Celebrations: Competition in co-curricular activities were held in school in Upparapalli and SD Convent.

Date	Speaker	Topic
12-Nov	Mr.Rohan Puri	Entrepreneurship and Redx initiative
21-Nov	Dr.Philip Moriarity	3D Printing with Atoms: An impossible (or Improbable dream)

Ignite- All round Education Project

It is an education project aimed at providing value-based education to the under-privileged. Extending from schools, orphanages to a cluster of houses we were able to reach out to kids of different backgrounds and bridge the quality gap in education by adding a more practical component to it. We are able to reach 750 under privileged students in an academic year.

National Service Scheme (NSS):

Three units of National Service Scheme are functional in BITS-Pilani, Hyderabad Campus (BPHC). Currently there are 300 volunteers consisting of 174 male and 126 female students. The Chairman of NSS team is the Director, Prof. V. S. Rao and Dr. Samuel Tharu, serves as the Programme Coordinator.

Event Name: Medical Camp at Pothaipalli village. Date conducted:16-11-2014

Event Details: NSS along with Nirmaan organised a medical camp in Pothaipalli village for the villagers of all age groups. Blood samples were taken by the PhD students of the Biology Department as a part of the check up of vital parameters like RBC count, Haemoglobin content, Sugar levels etc.

The event progressed from 9 30 a.m. and concluded at 4 pm, with a turnout of approximately 150 villagers. 40 students volunteered from both NSS and Nirmaan.

Sports Activities:

Students have shown great enthusiasm in making use of the sports facilities provided in the campus. Each hostel has facilities for indoor games like Table-Tennis, Chess and Caroms. There are two shuttle badminton courts and grounds for Volley-ball, Foot-ball, Hockey, Cricket, Throw Ball and Lawn Tennis. Physical Education Department of SWD has been conducting friendly matches among Bhawans (RIXA- Inter Bhawan Championship)

Cultural Activities:

Renaissance 2014:

For the first time, An Inter Bhawan Cultural Competition was conducted from 19th November to 27th November. With a huge participation, the competitive spirit was evident from the enthusiasm from the Students. The Culturals ensured that the extracurricular factor was well covered with the academics on campus.

Shangri-La 2014:

The Auditorium was put to its fullest use with its grandeur on display as it displayed the campus by hosting the Dance Night, Music Night and the Theatre Night on three different days. The Arena Trailer, Verba Maximus Trailer and the Pearl Theme was released as part of the Grandest Shangri La 2014.

Other Events:

- On the occasion of Republic Day and Independence Day, BPHC Marathons were conducted on 26.01.2014, 15.08.2014 for 3K & 6K Categories.
- Mahatma Gandhi Jayanti conducted on 02.10.2014.
- Students represented Hyderabad Campus at different youth festivals like OASIS, SAARANG and MOOD INDIGO and won prizes in various categories.
- Important community festivals like Lohri, Pongal, Ugadi, Rama Navami, Ganesh Chaturthi, Durga Puja, Diwali, Janmastami, Mahavir Jayanthi and Christmas were celebrated by the students with great enthusiasm. Various cultural activities were organized as part of the festivities.
- Journal Club release Journals during PEARL, ATMOS and other major events.

B3.13 MAJOR MAINTENANCE, RENOVATIONS OR NEW CONSTRUCTION REPORTS

Construction

- Construction of Auditorium was completed and inaugurated by the chancellor Sri Kumar Managalam Birla on August 09, 2014. The auditorium has a seating capacity of 2500 nos spread out in 1.44 lakh sft.
- New Pipe line has been laid to housing in the campus for additional ground water supply.

Renovation and Maintenance

1. Street Lights are fixed between the two girls hostels
2. Energy audit for the campus is done through an agency i.e M/s Zenith Agency Services Ltd and recommendations are being implemented.

B3.14 MAJOR EQUIPMENT'S ACQUIRED DURING THE YEAR:

During 2014 a lot of new equipment has been added to support academics, research and development. Details as per **Annexure 7** (Part B3).

LIST OF ANNEXURES

	Page No.
1. Annexure B3-1 – ADMINISTRATIVE BODIES	B3:A1-3
2. Annexure B3-2 – DETAILS OF ADMISSIONS MADE DURING THE YEAR 2013	B3:A4-6
3. Annexure B3-3 – LIST OF NEW COURSES INTRODUCED DURING THE YEAR 2013	B3:A7-10
4. Annexure B3-4 – NUMBER OF STUDENTS REGISTERED DURING THE YEAR 2013	B3:A11-15
5. Annexure B3-5 – LIST OF ORGANIZATIONS WHICH CONDUCTED CAMPUS INTERVIEWS	B3:A16-19
6. Annexure B3-6 – RESEARCH PROJECTS	B3:A20-24
7. Annexure B3-7 – LIST OF EQUIPMENTS	B3: A25-33
8. LIST OF FIRST DEGREE THESIS COMPLETED DURING THE YEAR 2014	B3: A34-38
9. LIST OF PROJECTS COMPLETED IN DUBAI CAMPUS UNDER HIGHER DEGREE DISSERTATIONS DURING THE YEAR 2014	B3: A39-41

ADMINISTRATIVE BODIES**The names and designations of senior officers of Hyderabad campus****Head of Departments**

S.No.	Faculty Member	Discipline
1.	Dr.A.Ramesh Babu	Chemical Engineering
2.	Dr. Jagadeesh Anmala	Civil Engineering
3.	Prof. Y. Yoganandam	EEE
4.	Prof. Y. V. Daseswara Rao	Mechanical Engineering
5.	Dr.Shrikant Yashwant Charde	Pharmacy
6.	Dr. N. L. Bhanu Murthy	C S & I S
7.	Prof. Suman Kapur	Biological Sciences
8.	Dr. Anupam Bhattacharya	Chemistry
9.	Dr. M.G.Prasuna	Humanities & Social Sciences
10.	Prof. Ramana Sonti	Economics & Finance
11.	Dr. Bivudutta Mishra	Mathematics
12.	Dr. Aravinda N Raghavan	Physics

Dean(s)

1.	Dean, Administration	Prof. M B Srinivas
2.	Dean, International Programmes and Collaborations Division (University Wide)	Prof. SumanKapur
3.	Dean, Practice School Division	Prof Niranjan Swain

Associate Dean(s)

1	Faculty Affairs	Prof. Souri Banerjee
2	Academic Research	Prof. Vidya Rajesh
3.	Sponsored Research and Consulting	Prof. P Yogeewari
4	Academic and Resource Planning	Prof. P K Thiruvikraman
5	International Programmes and Collaboration	Dr. P Sankar Ganesh
6	Practice School	Dr KVG Chandrasekhar
7	WILP	Prof. Srinivas Prakash Regalla
8	Admissions	Prof. Chittaranjan Hota
9	Instruction	Prof. A Vasana
10	Academic Registration and Counselling	Prof. Morapakala Srinivas
11	Student Welfare	Dr Sandip Shridharrao Deshmukh

Faculty-in-Charges

1.	Information Processing Centre	Dr. Chittaranjan Hota
2.	Maintenance & Engineering Services	Dr. Y V Daseswara Rao
3.	Educational Hardware	Dr. Chandu Parimi
4.	Centre for Innovation, Incubation & Entrepreneurship (CIIE)	Dr. P Sankar Ganesh
5.	Placements	Dr. Balaji Krishnamoorthy

Other In-charges

SI.No.	Name	In-charge
1	Central Analytical Laboratory	Dr. R. Krishnan
2	Central CAD Laboratory	Dr Vikranth Kumar Surasani
3	Publications & Media Relations	Dr. M. G. Prasuna
4	Community Welfare	Dr. Meenakshi Viswanathan
5	Workshop	Dr. N. Suresh Kumar Reddy
6	Student Activity Center	Dr. Raja Raja Varma Murari
7	Alumni Affairs	Prof. P. N. Rao
8	Website	Prof. Chittaranjan Hota
9	Library	Mr. M S Uday Kumar

Co-ordinators

SI.No.	Name	In-charge
1	National Service Scheme	Mr . Shamuel Tharu
2	Centre of Excellence in Water Resources Management	Prof. K S Raju

Hostel Resident Wardens

SI.No	Name	Hostel
1	Dr Kumar Pranav Narayan	Chief Warden ; Warden, Krishna Bhawan
2	Dr. Phaneendra Kiran Chaganti	Warden, Budh Bhawan
3	Mr G Pavan Kumar	Gandhi Bhawan
4	Dr KVG Chandra Sekhar	Vyas Bhawan
5	Dr. D Purnima	Madan Mohan Malaviya Bhawan
6	Dr. Aruna Malapati	Meera Bhawan
7	Mr. Syed Ershad Ahmed	Ram Bhawan
8	Dr Naga Mohan Kommu	Shankar Bhawan

Hostel Non-Resident Wardens

SI.No	Name	Hostel
1	Dr. Manab Chakravarty	Krishna Bhawan
2	Dr Srikanta Dinda	Ram Bhawan
3	Dr Kannan Ramaswamy	Shankar Bhawan
4	Dr. Krishnan Rangan	Budh Bhawan
5	Dr. Murari R Varma	Gandhi Bhawan
6	Dr. T S L Radhika	Meera Bhawan
7	Mr. Kurra Suresh	Vyas Bhawan
8	Dr. Alivelu Manga Parimi	Madan Mohan Malaviya Bhawan

Hostel Superintendent

Sl.No	Name	Hostel
1	Dr Shaik Mahammad Ghouse	Krishna Bhawan, Shanker Bhawan & Ram Bhawan

Asst. Hostel Superintendents

1	Mr. Santosh Pillai	Gandhi Bhawan,Buddh Bhawan & Vyas Bhawan
2	Mr A Haridas	Krishna Bhwan,Ram Bhawan & Shankar Bhawan
3	Mr. Shaik Areef Basha	Gandhi Bhawan,Buddh Bhawan & Vyas Bhawan
4	Ms. M Anitha Santhosh	Meera Bhawan and Malviya Bhawan

DETAILS OF ADMISSIONS MADE DURING THE YEAR 2014**(A) Integrated First Degree Programmes at Hyderabad Campus:**

	Total	Female
B.E.(Hons.): Chemical (A1)	42	9
B.E.(Hons.): Civil (A2)	52	6
B.E.(Hons.): Electrical and Electronics (A3)	73	9
B.E.(Hons.): Mechanical (A4)	65	2
B.Pharm.(Hons.) (A5)	9	5
B.E.(Hons.): Computer Science (A7)	141	13
B.E.(Hons.): Electronics & Instrumentation (A8)	34	7
B.E.(Hons.): Electronics and Communications (AA)	81	21
B.E.(Hons.): Manufacturing (AB)	34	4
M.Sc.(Hons.): Biological Sciences (B1)	23	7
M.Sc.(Hons.): Chemistry (B2)	31	8
M.Sc.(Hons.): Economics (B3)	52	10
M.Sc.(Hons.): Mathematics (B4)	39	7
M.Sc.(Hons.): Physics (B5)	36	2
Totals	712	110

(B) Higher Degree Programmes:

	Total	Women
M.E. Biotechnology	8	8
M.E. Civil (Structural Engineering)	8	4
M.E. Civil (Water Resources)	0	0
M.E. Computer Science	8	4
M.E. Micro-Electronics	0	0
M.E. Embedded Systems	8	4
M.E. Design Engineering	8	1
M.Pharm.(Pharmaceutical Chemistry)	0	0
M.Pharm.(Pharmaceutics)	6	5
M.E. Mechanical (Thermal Engg.)	6	2
Total	52	28

(C) Higher Degree (3 Year Integrated) Programme:

	Total	Female
M.E. in Computer Science (with specialization in Information Security)	10	6

(D) Ph.D. Programmes:

Second Semester, 2013- '14	Full-time	Part-time
Biological Sciences	4	1
Chemical Engg.	0	1
Chemistry	2	2
Civil Engg.	2	2
Second Semester, 2013- '14	Full-time	Part-time
CS & IS	2	0
EEE	3	5
Humanities & Social Sciences	0	0
Economics & Finance	0	0
Mathematics	0	0
Mechanical Engg.	0	0
Pharmacy	1	0
Physics	1	2
Grand Total	15	13

First Semester, 2014-'15	Full-time	Part-time
Biological Sciences	0	0
Chemical Engg.	2	0
Chemistry	3	0
Civil Engg.	1	0
CS & IS	0	0
EEE	0	0
Humanities & Social Sciences	0	0
Economics & Finance	0	0
Mathematics	0	0
Mechanical Engg.	0	0
Pharmacy	3	0
Physics	1	0
Grand Total	10	0

DETAILS OF DUAL DEGREE AND TRANSFERS MADE DURING THE YEAR 2014**Dual Degree**

	A1	A2	A3	A4	A5	A7	A8	AA	AB	Total
B1	7	3	4	6	0	2	1	1	6	30
B2	2	4	5	3	0	4	2	5	2	27
B3	2	2	6	3	0	12	3	9	1	38
B4	2	3	9	4	0	10	5	8	2	43
B5	1	3	1	6	0	11	3	4	2	31
Total	14	15	25	22	0	39	14	27	13	169

Dual Degree - Other Priorities

	A1	A2	A3	A4	A5	A7	A8	AA	AB	B1	B2	B3	B4	B5	Total
A1	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1
A2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A4	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1
A5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AB	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	1	-	-	1	-	-	2

TRANSFERS

	A1	A2	A3	A4	A5	A7	A8	AA	AB	Total
A1	-	-	-	-	-	-	-	-	-	0
A2	-	-	-	-	-	-	-	-	-	0
A3	-	-	-	-	-	-	-	1	-	1
A4	-	-	-	-	-	1	-	-	-	1
A5	-	-	-	-	-	-	-	-	-	0
A7	-	-	-	-	-	-	-	-	-	0
A8	-	-	-	-	-	1	-	1	-	2
AA	-	-	-	-	-	2	-	-	-	2
AB	-	-	-	-	-	-	-	1	-	1
B1	-	-	-	-	-	-	-	-	-	0
B2	-	-	-	-	-	-	-	-	-	0
B3	-	-	-	-	-	1	-	1	-	2
B4	-	-	-	-	-	-	-	-	-	0
B5	-	-	-	-	-	-	-	-	-	0
Total	0	0	0	0	0	5	0	4	0	9

B-B Transfers

	B1	B2	B3	B4	B5	Total
B1	-	-	-	-	-	0
B2	-	-	-	1	-	1
B3	-	-	-	-	-	0
B4	-	-	1	-	-	1
B5	-	-	2	1	-	3
Total	0	0	3	2	0	5

Second semester 2013-2014		
Sl.No.	COURSE NO.	COURSE NAME
1	BIO F341	DEVELOPMENTAL BIOLOGY
2	BIO F342	IMMUNOLOGY
3	BITS F345	INFORMATION LAW AND CYBER LAW
4	BITS F385	INTRO TO GENDER STUDIES
5	BITS F463	CRYPTOGRAPHY
6	CE F311	DESIGN OF CONCRETE STRUCTURES
7	CE F341	HYDRO & WATER RES ENGG
8	CE F342	WATER & WASTEWATER TREAT
9	CE F417	APP OF AI IN CIVIL ENGG
10	CE F423	GREEN BUILD & ENER CONSE
11	CE F433	REMOTE SENS & IMAGE PROC
12	CE F435	INTRODUCTION TO FEM
13	CHE F341	CHEMICAL ENGG LAB II
14	CHE F342	PROCESS DYN & CONTROL
15	CHE F343	PROCESS DES PRINCIPLE II
16	CHE F421	BIOCHEMICAL ENGINEERING
17	CHEM F341	CHEMICAL EXPER II
18	CHEM F342	ORGANIC CHEMISTRY IV
19	CHEM F343	INORGANIC CHEMISTRY III
20	CHEM F412	PHOTOCHEM & LASER SPECTR
21	CS F303	COMPUTER NETWORKS
22	CS F342	COMPUTER ARCHITECTURE
23	CS F363	COMPILER CONSTRUCTION
24	CS F364	DESIGN & ANAL OF ALGO
25	CS F441	SEL TOPICS FROM COMP SC
26	CS F446	DATA STORAGE TECH & NETW
27	ECE F341	ANALOG ELECTRONICS
28	ECE F343	COMMUNICATION NETWORKS
29	ECE F344	INFO THEORY & CODING
30	ECE F418	MOD COMMUNICATION TECH
31	ECON F341	PUBLIC FIN THEO & POLICY
32	ECON F342	APPLIED ECONOMETRICS
33	ECON F343	ECONOMIC ANAL OF PUB POL
34	ECON F351	INDIAN ECONOMIC DEVELOPMENT
35	EEE F312	POWER SYSTEMS
36	EEE F313	ANALOG & DIGITAL VLSI DESIGN
37	EEE F341	ANALOG ELECTRONICS

Second semester 2013-2014		
Sl.No.	COURSE NO.	COURSE NAME
38	EEE F342	POWER ELECTRONICS
39	EEE F418	MOD COMMUNICATION TECH
40	EEE F434	DIGITAL SIGNAL PROCESS
41	GS F322	CRITI ANAL OF LIT & CINE
42	GS F332	CONTEMPORARY INDIA
43	GS F333	PUBLIC ADMINISTRATION
44	HSS C316	POP LITER & CULT OF S ASIA
45	HSS F232	INTRO TO DEV STUDIES
46	HSS F316	POP LITER & CULT OF S ASIA
47	HSS F331	SANKARAS THOUGHTS
48	HSS F338	COMPARITIVE INDIAN LITERATURE
49	INSTR F241	MICROPROC & INTERFACING
50	INSTR F242	CONTROL SYSTEMS
51	INSTR F243	SIGNALS & SYSTEMS
52	INSTR F244	MICROELECTRONIC CIRCUITS
53	IS F303	COMPUTER NETWORKS
54	IS F322	SOFTWARE TESTING
55	IS F342	COMPILER DESIGN
56	MATH F341	INTRO TO FUNCTIONAL ANAL
57	MATH F342	DIFFERENTIAL GEOMETRY
58	MATH F343	PARTIAL DIFF EQUATIONS
59	ME F341	PRIMEMOVERS & FLUID MACH
60	ME F342	COMPUTER AIDED DESIGN
61	ME F343	MECHANICAL VIBRATIONS
62	ME F344	ENGINEERING OPTIMIZATION
63	ME F420	POWER PLANT ENGINEERING
64	ME F423	MICRO-FLUIDICS & ITS APP
65	ME F433	SOLAR THERMAL PROCESS ENGG
66	ME F441	AUTOMOTIVE VEHICLES
67	ME F443	QUALI CONTRO ASSUR & REL
68	MF F241	MACHINE DESIGN & DRAWING
69	MF F242	MANUFACTURING MANAGEMENT
70	MF F243	MANUFACTURING PROCESSES
71	MF F244	KIN & DYN OF MACHINES
72	PHA F341	PHARMACOLOGY II
73	PHA F342	MEDICINAL CHEMISTRY II
74	PHA F343	FORENSIC PHARMACY
75	PHA F344	NATURAL DRUGS
76	PHA F413	PHARMA MANG & QUAL CONTR
77	PHA F414	BIOPHARMACEUTICS

Second semester 2013-2014		
SI.No.	COURSE NO.	COURSE NAME
78	PHY F341	SOLID STATE PHYSICS
79	PHY F342	ATOMIC & MOLECULAR PHY
80	PHY F343	NUCLEAR & PARTICLE PHY
81	PHY F344	ADVANCED PHYSICS LAB

First Semester 2014-2015		
SI.No.	COURSE NO.	COURSE NAME
1	BIO F417	BIOMOLECULAR MODELING
2	BIO F418	GENETIC ENGINEERING TECH
3	BIO G661	GENE TOXICOLOGY
4	BITS F113	GENERAL MATHEMATICS
5	BITS F419	MGMT OF CROSS CULTURAL ENGG TEAMS
6	CE F411	OPERATION RESEARCH FOR ENGINEERS
7	CE F431	PRINCIPLES OF GEOGRAPHICAL INFORMATION SYSTEMS
8	CHE F418	MODEL & SIMU IN CHE ENGG
9	CHE F433	CORROSION ENGINEERING
10	CHEM F325	POLYMER CHEMISTRY
11	CHEM F326	SOLID STATE CHEMISTRY
12	CHEM F336	NANOCHEMISTRY
13	CHEM F337	GREEN CHEMISTRY AND CATALYSIS
14	CS F401	MULTIMEDIA COMPUTING
15	CS F422	PARALLEL COMPUTING
16	CS F424	SOFTWARE FOR EMBEDDED SYS
17	ECON F351	INDIAN ECONOMIC DEVELOPMENT
18	ECON F353	ENERGY ECONOMIC & POLICY
19	ECON F354	DERIVATIVES & RISK MGMT
20	ECON F355	BUSINESS ANALYSIS AND VALUATION
21	ECON F411	PROJECT APPRAISAL
22	ECON F471	RESOURCES AND ENVIRONMENTAL ECONOMICS
23	EEE F435	DIGITAL IMAGE PROCESSING
24	FIN F243	FUNT & WORK STOCK EXCHAN
25	FIN F311	DERIVATIVES & RISK MGMT
26	FIN F313	SECUR ANAL & PORTFOL MGT
27	FIN F315	FINANCIAL MANAGEMENT
28	GS F224	PRINT & AUDIO VISU ADVER
29	HSS F234	MAIN CURRENT OF MODERN HISTORY
30	HSS F317	INTRO TO GLOBALIZATION
31	HSS F323	ORGANIZATIONAL PSYCHOLOGY
32	HSS F328	HUMAN RESOURCES DEVELOPMENT
33	HSS F338	COMPARITIVE INDIAN LITERATURE

First Semester 2014-2015		
Sl.No.	COURSE NO.	COURSE NAME
34	HSS F342	ADV COMMUNICATIVE ENGLISH
35	HSS F346	INTERNATIONAL RELATIONS
36	HSS F351	SOC & POL ECOLOGY
37	INSTR F311	ELECTRO INST & INST TECH
38	INSTR F312	TRANSDUCERS & MEASUREMENT SYSTEMS
39	INSTR F313	ANALOG & DIGITAL VLSI DESIGN
40	ME F432	COMPUTER AIDED MANUFACT
41	ME F443	QUALI CONTRO ASSUR & REL
42	ME F461	REFRIGERATION & AIRCOND
43	ME F483	WIND ENERGY
44	MF F311	MECHATRONICS & AUTOMAT
45	MF F312	TOOL & FIXTURE DESIGN
46	MF F313	METAL FORMING & MACHINE
47	PHY F413	PARTICLE PHYSICS
48	PHY F414	PHYSICS OF ADVANCED MATERIALS
49	PHY F415	GENERAL THEORY OF RELATIVITY & COSMOLOGY
50	PHY F417	EXPERIMENTAL METHODS OF PHYSICS

BITS, PILANI - HYDERABAD CAMPUS
ACADEMIC REGISTRATION AND COUNSELLING DIVISION
FIRST SEMESTER 2014 - 2015
REGISTRATION STATISTICS AS ON 25/09/2014

DISCIPLINE	2006	2007	2008	2009	2010	2011	2012	2013	2014	Sub Total	2009	2010	2011	Grand Total		
Research Scholars	1	1	1	10	17	54	37	65	9	195				195	195	Ph.D
A1 - BE (Hons.) Chemical					1	19	36	48	42	146	3	1	18	168		
A2 - BE (Hons) Civil						18	37	47	52	154		2	14	170		
A3 - BE (Hons.) EEE						42	70	77	74	263	1	2	32	298		
A4 - BE (Hons.) Mechanical					2	37	58	63	65	225	1	2	28	256		
A5 - B. Pharm (Hons.)					3	17	9	2	9	40		3	5	48		
A7 - BE (Hons.) Computer Science					2	51	89	120	141	403	1		37	441		
A8 - BE (Hons.) Electronics & Instrumentation							40	38	34	112				112		
AA - BE (Hons.) ECE					2	44	82	82	80	290		5	39	334		
AB - BE (Hons.) Manufacturing							33	38	34	105				105		
B1 - M.Sc. (Hons.) Biology					11	32	23	30	23	119	1	17		137		
B2 - M.Sc. (Hons.) Chemistry				1	5	33	25	27	31	122		24	1	147		
B3 - M.Sc. (Hons.) Economics				1	9	40	38	42	52	182	1	34		217		
B4 - M.Sc. (Hons.) Mathematics					4	39	36	46	39	164	1	36	1	202		
B5 - M.Sc. (Hons.) Physics				1	4	29	31	31	36	132		28	1	161		
C6 - M.Sc. (Tech) Information Systems						29	50			79	1	1	26	107	2903	FD

DISCIPLINE	2006	2007	2008	2009	2010	2011	2012	2013	2014	Sub Total	2009	2010	2011	Grand Total		
	H 103 - ME (Computer Science)							1	5		8	14				
H 129 - ME (Biotechnology)								9	8	17				17		
H 140 - ME (Embedded System)								8	8	16				16		
H 141 - ME (Design)								7	8	15				15		
H 143 - ME (Structural)								10	8	18				18		
H 146 - M.Pharm (Pharmaceutics)								8	6	14				14		
H 147 - M.Pharm (Pharmaceutical Chemistry)								2		2				2		
H 148 - ME (Thermal)								12	6	18				18		
H 205 - ME (Electronics & Control) WP							11			11				11		
H 206 - ME (Mechanical) WP							5			5				5		
H 240 - ME (Embedded Systems) WP							5			5				5		
H 313 - ME (Information Security)								10	10	20				20	155	HD
	1	1	1	13	60	484	716	827	783	2886	10	155	202	3253		
ON CAMPUS										2886	PS II - 367			3253	TOTAL	

BITS, PILANI - HYDERABAD CAMPUS
ACADEMIC REGISTRATION AND COUNSELLING DIVISION
SECOND SEMESTER 2013 - 2014
REGISTRATION STATISTICS AS ON 12/02/2014

DISCIPLINE	On Campus									Sub Total	Practice School II				Grand Total		
	2004	2006	2007	2008	2009	2010	2011	2012	2013		2008	2009	2010	2012			
Research Scholars	1	1	1	1	9	20	55	36	65	189					189	189	Ph.D
A1 - BE (Hons.) Chemical					4	21	37	36	48	146	1	2	12		161		
A2 - BE (Hons) Civil					1	25	32	37	47	142			14		156		
A3 - BE (Hons.) EEE					2	42	74	70	78	266		1	27		294		
A4 - BE (Hons.) Mechanical					1	44	65	58	64	232		1	15		248		
A5 - B. Pharm (Hons.)					1	17	22	9	2	51		2	4		57		
A7 - BE (Hons.) Computer Science				1	1	43	88	89	115	337			32		369		
A8 - BE (Hons.) Electronics & Instrumentation								39	40	79					79		
AA - BE (Hons.) ECE						43	83	82	81	289			32		321		
AB - BE (Hons.) Manufacturing								33	40	73					73		
B1 - M.Sc. (Hons.) Biology				1	4	28	32	23	30	118		14			132		
B2 - M.Sc. (Hons.) Chemistry					8	29	34	25	28	124		19			143		
B3 - M.Sc. (Hons.) Economics					6	43	40	38	40	167	1	33			201		
B4 - M.Sc. (Hons.) Mathematics				2	9	41	40	36	45	173		31			204		
B5 - M.Sc. (Hons.) Physics					15	32	30	31	34	142		17			159		
C6 - M.Sc. (Tech) Information Systems					1	27	55	50		133			19		152	2749	FD
H 103 - ME (Computer Science)								1	5	6				6	12		
H 108 - M.Pharm (Pharmacy)				2						2	1				3		
H 123 - ME (Microelectronics)								3		3				1	4		
H 129 - ME (Biotechnology)				1				9	9	19					19		

DISCIPLINE	On Campus									Sub Total	Practice School II				Grand Total			
	2004	2006	2007	2008	2009	2010	2011	2012	2013		2008	2009	2010	2012				
H 140 - ME (Embedded System)								2	8	10				2	12			
H 141 - ME (Design)								6	7	13				3	16			
H 143 - ME (Structural)								8	10	18					18			
H 146 - M.Pharm (Pharmaceutics)				2				6	8	16				2	18			
H 147 - M.Pharm (Pharmaceutical Chemistry)								5	2	7	1				8			
H 148 - ME (Thermal)								3	12	15				4	19			
H 203 - ME (Computer Science) WP										0					0			
H 205 - ME (Electronics & Control) WP								11		11					11			
H 206 - ME (Mechanical) WP								5		5					5			
H 223 - ME (Microelectronics) WP										0					0			
H 240 - ME (Embedded Systems) WP								6		6					6			
H 246 - M.Pharm (Pharmaceutics) WP										0					0			
H 313 - ME (Information Security)									10	10					10	161	HD	
	1	1	1	10	62	455	687	757	828	2802	4	120	155	18	3099			
	ON CAMPUS									2802					PS	297	3099	TOTAL

SUMMER TERM 2013 - 2014**No. of courses offered****15**

Course No	No. of students Regd.
BITS C797T	2
BITS C799T	2
ECON F212	25
ECON F354	9
ECON F412	9
FIN F313	21
FIN F311	20
CS F213	24
CS F404	10
CS F468	10
PHY F111	4
MATH F111	6
EEE F111	3
IS F213	1
BITS F221	649

Annexure B3-5
(4 Pages)
Ref. AR 2014, Page No. B3-4

LIST OF ORGANIZATIONS WHICH CONDUCTED CAMPUS INTERVIEWS
Placement Companies Jan-Dec 2014

S.No	Name of the Company	Offers	CTC	No. of interviews
1	3LOQ	2	7	49
2	ABYETI TECHNOLOGY	0	5	20
3	ACCOLITE	1	10	72
4	ADAPT TV	2	8	104
5	ADVENTZ	2	4.3	72
6	ALFA LAVAL	1	3.5	11
7	AMAZON	4	23	252
8	ANGLO EASTERN SHIP MANAGEMENT	0	5	9
9	AURYN	1	7.85	18
10	BACKOFFICE ASSOCIATE	0	4.5	2
11	BEEHYV	7	5.5	134
12	BIOPHORE	0	2	5
13	BITMAPPER	2	4.5	33
14	BONAVENT	0	5	35
15	CA TECHNOLOGY	8	8	138
16	CAPGEMINI	6	4.5	28
17	CAPITAL IQ	1	8.2	24
18	CELLWORKS	0	2.76	9
19	CHALK STUDIO	0	5	15
20	CHRYSLER	4	4.25	19
21	CIPHER CLOUD	3	8	62
22	CISCO	5	11.22	44
23	CMS	0	3.5	24
24	CODENATION	0	24	47
25	COMMVault	1	14.5	82
26	COVIDIEN	1	5	35
27	CRECER	11	3.34	42
28	CUBITO	0	4.2	26
29	D.E SHAW	3	18.6	120
30	DATAWISE	2	4	47
31	DELL	16	5	75
32	DERRICK PETROLEUM	0	5.4	21
33	DEVFACTORY	0	24	2
34	DIRECTI	2	11.6	77
35	DOW	0	7	14
36	DR.REDDY'S	1	4.5	3
37	DUPONT	0	4	15
38	EBAY	3	23.5	84
39	EMC	9	13.54	160
40	EPIC	1	66.17	124

S.No	Name of the Company	Offers	CTC	No. of interviews
41	FACET	0	4	30
42	FIAT	5	4.6	49
43	FIBERLINK	3	9	49
44	FIORANO	1	6.5	55
45	FLIPKART	2	15	113
46	FMC	8	5.27	69
47	FREE SCALE	5	10.3	156
48	FUTURE FIRST	4	8.9	254
49	GANESH ENGINEERING WORKS	3	3	8
50	GENY MEDIUM	0	3.6	19
51	GGK	7	6	35
52	GOLDMAN SACHS	2	6	40
53	GOOGLE	0	24.2	49
54	GRAMPOWER	0	6	40
55	GROUP ON	1	12	60
56	HACKERRANK	0	10	114
57	HIKE	2	10.5	162
58	HINDALCO	2	4	27
59	HISTOGENETICS INDIA PVT.LTD.	2	5	38
60	HONDA	2	5.6	29
61	HONEYWELL	1	8	8
62	HOUSING.COM	0	8	27
63	HUMAN CAPITAL SOLUTION	4	6	40
64	IFB AUTOMOTIVE,BANGALORE	0	5	3
65	IL&FS	0	4	19
66	INFORMATICA	2	10.4	37
67	INFOSYS	4	3	38
68	INTERVIEWSTREET TECHNOLOGY	0	12	80
69	KEYPOINT TECHNOLOGY	3	3.5	55
70	KHOSLA LABS	0	9	47
71	KONY LABS	4	5.5	63
72	KUNAL STRUCTURAL IND. PVT. LTD.	1	2.5	1
73	L & T	5	5	177
74	L&T INFOTECH	3	3.1	12
75	LATENTVIEW	16	4	39
76	LEXINNOVA	0	8	70
77	LINK HOUSE BUILDWELL	9	4	14
78	LISTER TECHNOLOGY	0	4.5	66
79	MAQ SOFTWARE	0	6	90
80	MATHWORKS	0	9	10
81	MEDIAMINT	5	5.5	46
82	MICROSOFT	2	10.5	47
83	MISYS	0	6	37
84	MORGAN STANLEY	9	13.4	231
85	MUSIGMA	26	4.5	152
86	MYPARICHAY	5	8	50

S.No	Name of the Company	Offers	CTC	No. of interviews
87	MYSMARTPRICES	2	10.2	89
88	NAGARJUNA SHUBO TECH.	2	4	18
89	NAGARRO	6	5	37
90	NAVYUG INFOSOLUTIONS PVT. LTD.	1	5.1	39
91	NCC INTERNATIONAL	1	14	14
92	NCR CORPORATION	9	5.5	78
93	NET CRACKER	8	6	58
94	NEXT EDUCATION	1	7	46
95	OPTUM SOFT	0	10	78
96	ORACLE (PGBU,CGBU,UGBU,OFFS)	48	7.5	543
97	PAYU	2	9	88
98	PHILIPS	0	6	37
99	POKARNA	3	6	78
100	POLMON	3	4	63
101	POLYCOM	1	9	66
102	PRACTORAY	1	5.5	10
103	PRASAR BHARATHI	1	5.5	1
104	QUALCOMM	4	7.75	61
105	QUANTAM PHINANCE	0	7	40
106	RAMCO	8	5	36
107	REAL IMAGE	0	8	41
108	REDPINE SIGNAL	1	6.5	88
109	REFLEXIS	4	5.25	38
110	RELIANCE	1	5.5	33
111	RIVERSAND	4	6	74
112	SHAEFFLER	1	5	19
113	SHELL	2	14.7	78
114	SKF	0	4.5	9
115	SMARTTRAK	1	6.5	16
116	SUVILAS	0	3	33
117	SYNOPSISYS	1	9.9	90
118	SYSTANGO	4	4.5	77
119	SYSTEM INSIGHTS	0	5	56
120	TATA ADVANCED SYSTEMS	2	3.93	18
121	TCE	10	4.5	76
122	TCS	27	3.2	62
123	TECH MAHINDRA	4	3	35
124	TECHRAINS	2	6	43
125	THINK AND LEARN	0	7	30
126	THOROGOOD	3	9	68
127	TIME	0	6	11
128	UNITED ONLINE	3	5.75	53
129	UTC	2	6.25	50
130	UURMI	3	5.5	24
131	VIRTUSA	10	5	49
132	WALMART	3	18	52

S.No	Name of the Company	Offers	CTC	No. of interviews
133	WATER HEALTH INDIA	1	3.15	30
134	WEBFLUENZ	0	3.6	27
135	WORKS APPLICATION	0	35	11
136	WORLEY PARSONS	0	6	26
137	ZEMOSO	0	6	33
138	ZOHO	1	4.5	29
	TOTAL	438		7867

Branch	% Placed	Total Students	Placed Students	Job Offers	MAX(LPA)	AVG(LPA)	MIN(LPA)
Registered Students	72.24	616	445	499	23.5	7.15	2.5
B.E. Chemical	70.59	51	36	38	14.7	5.6	3.15
B.E. Civil	75.00	40	30	38	12	4.8	2.5
B.E. CSE	93.40	106	99	108	23.5	10.5	4
B.E. ECE	86.27	102	88	99	23.5	6.8	3
B.E. EEE	74.49	98	73	88	14.5	5.8	3.1
M.Sc. IS	91.49	47	43	45	15	8.1	3
MSc Math	33.33	3	1	1	5	5	5
MscEconomic	50.00	2	1	1	6	6	6
B.E (Mechanical)	56.98	86	49	55	14	5.6	3.34
B. Pharmacy	36.36	22	8	9	5.5	4.6	3.34
M. Pharm	10.00	10	1	1	4.5	4.5	4.5
M.E. Bio Technology	0.00	7	0	0	0	0	0
M.E. Computer Science	60.00	5	3	3	13.4	8.2	3.2
M.E. Design	42.86	7	3	3	4.5	4	3.2
M.E. Embedded Systems	87.50	8	7	7	11.6	5.3	3.2
M.E. Structural	20.00	10	2	2	5	4.75	4.5
M.E. Thermal	8.33	12	1	1	4.5	4.5	4.5

'Annexure B3-6'
(5 Pages)
Ref. AR 2014, Page No. B3-57

RESEARCH PROJECT GRANTS

S.No	Title of the Project	Principal Investigator	Funding Agency	Department	Sanctioned Amount	Duration	Sanctioned Date
1	Strategies against antibiotic resistance in Mycobacterium tuberculosis and Pseudomonas aeruginosa : new drugs for old targets and old drugs for new targets	Prof. D. Sriram	DBT-Indo-sweden2	Pharmacy	6192000	3years	27.01.2014
2	Study on cosmological models of the universe with wet dark fluid in alternative theories of Gravitation	Dr. Bivudutta Mishra	UGC	Mathematics	190000	2years	20.02.2014
3	Structured-based Design of Orphan nuclear Receptor Modulators to treat Diabetes and its complications by targeting RORalpha and Rev-erbalpha	Prof. P. Yogeeswari	ICMR Indo-France	Pharmacy	2161600	2years	15.07.2014
4	Nano -Scale Characterisation of Human Hair Fibres by using Indentation technique	Dr. Ramesh BabuAdusumalli	DST FT	Chemical Engineering	2662000	3years	05.06.2014
5	PhotocatalyticNox abatement: From mechanism and material properties to catalytic performance	Dr. Sounak Roy	DST FT	Chemistry	2448000	3years	23.05.2014
6	Biofuels from lignocellulosic biomass waste: Biosolubilization and biomethanation of lignin	Dr. Asma Ahmed	DST FT	Chemical Engineering	2410000	3years	04.06.2014
7	Finding Aggtegation-induced emission active materials : design, synthesis and photophysical studies of sterically hindered triarylethenes and Tetraarylethenes	Dr. ManabChakravarty	DST	Chemistry	3838000	3years	13.05.2014
8	Development of Novel Compounds for the Treatment of Neural Complications of Diabetes	Prof. P. Yogeeswari	DST-Indo-Portugal	Pharmacy	604000	3years	25.06.2014
9	Bianchi type cosmological models in modified theories of gravitation	Dr. Bivudutta Mishra	DST	Mathematics	1108800	3years	24.04.2014
10	Towards metalloneurochemistry inside a niosome: a fluorescence spectroscopy approach	Dr. Amit Nag	DST	Chemistry	2498000	3years	28.05.2014

S.No	Title of the Project	Principal Investigator	Funding Agency	Department	Sanctioned Amount	Duration	Sanctioned Date
11	Adenovirus-delivered RNAi as an antiviral strategy against dengue	Prof. Swaminathan	DBT	Biology	5967500	3years	29.08.2014
12	Design and Development of Digital Forensic Tools for Clouds IaaS	Dr. GeethaKumari	DIT	Computer Science	5496000	3years	29.08.2014
13	Enzymes from Purine and Pyrimidine Biosynthetic pathway as targets for the development of Mycobacterium tuberculosis drugs	Prof. P. Yogeewari	DBT-Indo-Brazil	Pharmacy	4822990	3years	27.08.2014
14	D - a-Tocopherol conjugated co-polymer based micelles for improved delivery of chemotherapeutics with reversal of multiple drug resistance	Dr. Swati Biswas	DST	Pharmacy	2240000	3years	01.08.2014
15	Transgenic Embryonic stem cell models for studying the role elevated levels of DNMT1 and DNMT3A in neuropsychiatric disorders	Dr. K. Naga Mohan	DBT	Biology	2410000	3years	02.09.2014
16	Characterization of mouse embryonic stem cell model to study the effects of increased levels of DNA methyltransferase 1 (DNMT1) on abnormal neurogenesis	Dr. K. Naga Mohan	DST	Biology	4038400	3years	23.09.2014
17	Gravitational waves from oscillations and instabilities in neutron stars	Dr. Sarmisthabanik	DST	Physics	1476000	3years	03.09.2014
18	Process modeling , Design and Validation of Flotation Cell	Dr. JeevanJaidi	Consultancy	Mechanical	783024	3months	05.06.2014
19	Cell Penetrating Peptide Octa-Arginine anchored, multifunctional Poly(amidoamine) Dendrimer to Promote Delivery of Chemotherapeutics in Cancer	Dr. Swati Biswas	DBT	Pharmacy	3488640	3years	13.11.2014

APPROVED PROJECTS DURING JANUARY - DECEMBER 2014**Details of the Sponsored Projects****Prof. D. Sriram**

1. Title of the Project: Strategies against antibiotic resistance in Mycobacterium tuberculosis and Pseudomonas aeruginosa : new drugs for old targets and old drugs for new targets 2.Sponsoring agency: DBT-Indo-swedon2
2. Status: Ongoing
3. Objectives: To design tight binding inhibitors of validated drug targets from M. Tuberculosis and Gram-
4. Negative bacteria, in particular P. Aeruginosa that has the potential to be further developed in antibacterial drugs.

Dr. Bivudutta Mishra,

1. Title of the Project: Study on cosmological models of the universe with wet dark fluid in Alternative theories of Gravitation
2. Sponsoring agency: UG
3. Status: Ongoing
4. Objectivity: Study on cosmological models of the universe.

Prof. P Yogeewari

1. Title of the project:Structured-based Design of Orphan nuclear Receptor Modulators to treat Diabetes and its complications by targeting RORalpha and Rev-erbalpha
2. Sponsoring Agency: ICMR Indo-France
3. Status: Ongoing
4. Objectives: Design of Orphan nuclear Receptor Modulators to treat Diabetes and its complications by targeting RORalpha and Rev-erbalpha

Dr. Ramesh BabuAdusumalli

1. Title: Nano-scale characterization of human hair fibres by using indentation technique
2. Sponsoring Agency: DST Fast track
3. Status: Ongoing
4. Objectivity: This project is aimed to understand the physical properties of the hair such as hardness. Hair samples are subjected to Nanoindentation and their load-displacement plots are compared to know the difference between healthy hair and damaged hair. Data can be used to combat malnutrition and forensic studies.

Dr. Sounak Roy

1. Title of the project: Photocatalytic NOx abatement: From Mechanism and Materials Properties to Catalytic Performance
2. SponsoringAgency: DST
3. Status: Ongoing
4. Objectives or Progress: The project deals with room temperature pollutant abatement with semiconductors by photo-catalysis. One student is working in the project and the facilities are being established

Dr. Asma Ahmed

1. Title: Biofuels from lignocellulosic biomass waste: Biosolubilization and biomethanation of lignin
2. Sponsoring Agency: DST Fast track (SB/FTP/ETA-0197/2013)
3. Status: Ongoing

PI: Dr. ManabChakravarthy

1. Title of the project: Finding Aggregation-Induced Emission Active Materials: Design, Synthesis And Photophysical Studies of Sterically Hindered Triarylethenes and Tetraarylethenes
2. Sponsoring Agency: DST
3. Status: Approved or Ongoing: Ongoing
4. Objectives or Progress-We plan to design the molecules by comparing with the AIE active molecules reported in the literature by varying different groups with electronic effects.
 - The phosphonates will be utilized to synthesize terphenylene and tetraphenylene compounds by HWE reactions with different aldehydes; Aldehydes have to be synthesized in case they are commercially unavailable or very much expensive.
 - The photophysical studies will be performed for all these molecules under different experimental conditions.
 - The characterization of those olefins will be performed by multinuclear NMR and single crystal X-ray Crystallography to find out the proper shape of molecules including the packing arrangements in the solid state.

Prof. P Yogeeswari

1. Title of the project: Development of Novel Compounds for the Treatment of Neural Complications of Diabetes
2. Sponsoring Agency: DST-Indo-Portugal
3. Status: Ongoing
4. Objectives: Novel Compounds for the Treatment of Neural Complications of Diabetes

PI: Dr. Bivudutta Mishra,

1. Title of the Project: Bianchi type cosmological models in modified theories of gravitation
2. Sponsoring agency: DST
3. Status: Ongoing

PI: Amit Nag

1. Title of the Project: Towards metalloneurochemistry inside a niosome: a fluorescence spectroscopy approach
2. Sponsoring Agency: DST-SERB
3. Status: Ongoing
4. Objectives or Progress: Fluorescent sensors for Zn²⁺ have attracted great attention. Since, majority of Zn²⁺ sensors have poor water solubility, our present work is a promising approach to overcome this limitation with development of targeting colloidal transport system such as micelles, niosomes etc. We have seen excellent performance of hydrophobic 4-(pyridine-2-yl)-3H-pyrrolo [2,3-c] quinoline (PPQ) as a fluorescent sensor for sensing Zn²⁺ in aqueous micellar solution. Entrapment of PPQ has been attempted in different micellar microenvironments: anionic, non ionic and cationic. Zn²⁺ sensing studies in niosome systems and application in live imaging of biological samples are in progress.

Dr. Swaminathan

1. Title of the project: Adenovirus-delivered RNAi as an antiviral strategy against dengue
2. Sponsoring Agency: DBT
3. Status: Ongoing
4. Objectives: Design & construction of a new rAd targeting a second siRNA site conserved across multiple DENV serotypes.

Dr. GeethaKumari

1. Title of the project: Design and Development of Digital Forensic Tools for Clouds IaaS
2. Sponsoring Agency: DIT
3. Status: Ongoing
4. Objectives: To develop a tool to perform acquisition and analysis of digital forensic evidence from infrastructure as-a service (IaaS) cloud computing environment.

Prof. P.Yogeeswari

1. Title of the project: Enzymes from Purine and Pyrimidine Biosynthetic pathway as targets for the development of Mycobacterium tuberculosis drugs
2. Sponsoring Agency: DBT-Indo-Brazil
3. Status: Ongoing
4. Objectivity : Design the lead compounds by molecular modeling approach for the specific enzymes target.

Dr. K.Nagamohan

1. Title of the project: Transgenic Embryonic stem cell models for studying the role elevated levels of DNMT1 and DNMT3A in neuropsychiatric disorders
2. Sponsoring agency: DBT
3. Status: ongoing
4. Objectivity : Transgenic Embryonic stem cell models for studying the role elevated levels of DNMT1 and DNMT3A in neuropsychiatric disorders

Dr. K.Nagamohan

1. Title of the project: Characterization of a mouse embryonic stem cell model to study the effects of increased levels of DNA methyltransferase 1 (DNMT1) on abnormal neurogenesis
2. Sponsoring agency: DST
3. Status: ongoing

Dr. Sarmistha Banik

1. Title of the project: Gravitational waves from oscillations and instabilities in neutron stars
2. Sponsoring Agency: DST
3. Status: Ongoing :

Consultancy Project

PI: Jeevan Jaidi,

Title of the project: "Process Modeling and Validation of Flotation Cell: Development of 3-D Multiphase Turbulent Model (Phase-1)"

Sponsoring agency: Tenova Delkor India (TDI), Bangalore.

Status: Started in June 2014 and completed in September 2014.

Objectives: To develop three-dimensional Computational Fluid Dynamics (CFD) model and predict the water-air bubbly flow dynamics in terms of air bubble size, dispersion and residence time in industrial Flotation Cell. Subsequently, to optimize the design and process parameters for maximum dispersion and residence time of air-bubbles and thereby enhance the Flotation Cell process efficiency. Finally, the selection of best macro-scale models for turbulent two-phase water-air bubbly flow used for scale-up.

Dr. Swati Biswas

1. Title of the project: Cell Penetrating Peptide Octa-Arginine anchored, Multifunctional poly(amidoamine) Dendrimer to Promote delivery of chemotherapeutics in cancer
2. Sponsoring Agency: DBT
3. Status: Ongoing

List of Equipment procured in the year 2014

SI No	Item Description	Quantity Match	Bill Amount	End User	Ledger Folder
1	DELL OptiPlex 3020 Minitower CTO Intel Core i3-4130	50 Nos	1943865	CAD Lab	Computers
2	DELL OptiPlex 3020 MT Intel Core i3-4130	47 Nos	1492023	IPC	Computers
3	Refrigerator Make: Godrej, Model:GFE36CVT	01 No	29800	Chemical Engg	Equipment
4	Dell Precision T1700 MT CTO Base (Desktop) Dell 22 Monitor (E2214H)	25 nos 25 Nos	1895647	EEE	Computers
5	Raspberry PI Kit Model 1 (Starter Kit) Raspberry Pi Kit 2 (Advanced Kit) Arduino Kit Model 1 (Starter Kit) Aruino Kit for Robotics model 1 (Starter Kit) AVR Development Kit (Model 1) Wireless ZigBee Co-ordination Kit Wireless ZigBee End Point Kit	04 Nos 01 No 05 Nos 01 No 02 Nos 02 Nos 05 Nos	97930	EEE	Equipment
6	Fixed Bed Reactor Unit with Accessories	01 Set	1274625	Chemical Engg	Equipment
7	Promivac Rotary Vacuum Pump Model: PVD2-150, Double Stage	01 No	46836	Biological Science	Equipment
8	Texshine Plastic injection moulding Machine Model: 7HL FAC Cap: 45 GMS hydraulic Oil 70 Lts Cooling Tower Die Set	01 No 01 No 01 No 01 No	421502	Workshop	Equipment
9	Relay C & S Make, Model: BU1-AC-UO-400 Relay C & S Male, Model: BP1-R-230-5 Spare Kit MNX 25 L&T Make Spare Kit MNX 32 L&T Make	02 Nos 02 Nos 05 Nos 05 Nos	105569	Ele Maintenance	Equipment
10	Agilent E4980AL-100 20Hz to MHz DCR Meter, 0.05% Basic Accuracy, Versatile PC Connectivity Agilent 16089A Kelvin Clip Leads	01 No 01 No	577500	EEE	Equipment
11	RealTime PCR 96 Wells LightCycler Probe Design Software 2.0	01 No 01 No	1995000	Biological Science & Dr Ramakrishna Vadrave	Equipment
12	Avaya 1608 IP Phone with Adaptor	06 Nos	45893	Placements Unit	Equipment
13	Avaya 1608 IP Phone with Adaptor	25 Nos	191219	IPC	Equipment
14	Gas Analyzer, Model: OMGA-8000 for CO, CO2, CH4, No, SO2 & O2	01 No	328600	Chemical Engg	Equipment
15	Bio-Dot S.F.Apparatus, Make: Bio-Red mouse monoclonal adDMAP1	01 No	129675	Dr K Naga Mohan	Equipment
16	IOLAR Grade High Pure Gas Cylinders 99.99 for Nitrogen Cap: 47 Lts with Gas Two Stage High Pressure Regulator with Indicator In & Out IOLAR Grade High Pressure Gas Cylinder 99.99 for CO2 Cap: 47 Lts with Gas	01 No 02 Nos 01 No	50400	Chemical Engg	Equipment
17	Microscopic Equipment	01 Pc	JPY 142	Mechanical Engg	Equipment
18	HB-2000 Hybri Linker Hybridization Oven	01 Nos	UKP 2050	Dr K Naga Mohan	Equipment
19	I D Card Printer & Accessories Evolis Primacy Dual Side ID Card Printer SI No: 10000314983, Head No: 277-	01 No	91350	ESD	Equipment

SI No	Item Description	Quantity Match	Bill Amount	End User	Ledger Folder
	E3402802				
20	V24 AC/DC, Mobile Gas Cooled TIG Machine Gas Hose, Pressure Reducer Tig Torch LTG 2600-UD,	01 No 01 No	385341	Workshop	Equipment
21	Three Point Bend Setup for Tensile Test Machine Torsion Testing Machine (Computerized) SRI-TT20	01 No 01 No	231638	Mechanical Engg	Equipment
22	Beam Apparatus Cantiliver Spares & Samples	01 No 01 No	60323	Mechanical Engg	Equipment
23	Supply of 11 kV indor Epoxy Resin Cat PT 11kV Epoxy/SMC Supporting Insulator 110VDC/240VAC Indication lamps Miscellaneous Hardware	03 Nos 06 Nos 10 Nos 1 Unit	103641	Maintenance	Equipment
24	Load Cell 500 Kg with 3 Mtr Load Cable Digital Load Controller 4.5 Digi Display	01 Set	133310	Mechanical Engg	Equipment
25	Spice Mobile Stellar Pinnacle Pro Mi-535	4 Nos	41800	IPC	Equipment
26	AMINIS FLOWSIGHT CYTIMETER - RED Excitation Laser-	01 No 01 No	USD 104000	Biological Science & Project	Equipment
27	Printer MFD HP JM 1536 DNF	01 No	23150	Dr Jeevan Jaidi	Printer & Scanner
28	Incubator Orbital Shakar	01 No	86997	Prof Suman Kapur	Equipment
29	IKA Magnetic Stirrer Model : RCT Basic Safety Control	02 Nos	74399	Pharmacy	Equipment
30	Controlled Viltage Stabilizer Capacity:10KVA 1 PH SCVS	01 Nos	21300	Dr K Naga Mohan	Equipment
31	Dell Precision T3610 CTO Base (Work Station)	1 Nos	130830	Dr Jeevan Jaidi	Computers
32	400 mm Wall mounting Fan 400 mm Pedastal Fan	100 nos 2 Nos	206100	Ele Maintenance	Equipment
33	Orbital Shaking Incubator Model: CIS-24BL , Make: Remi VS-02 Remi Voltage Stablizer Servo Controlled	01 No	142178	Dr Pradip B Dhomole	Equipment
34	Rocker Vacuumpump Model:Rckyvac300) UV Cabinet with Short & Long Wave Rocker Oil free compressor	03 Nos 01 No 02 Nos	108932	Pharmacy	Equipment
35	Rota 4RV/FM Microprocessor Controlled High Speed & High G-force Table top Refregerated Centrifuge 12x15 Angle Rotor 4x50 Angle Rotor	01 No 01 No 01 No	295805	Chemical Engg	Equipment
36	Aquaguard Hiflo Water Purifier with standard accessories	03 Nos	31470	ESD	Equipment
37	Electric Grass Mover with 5 HP Moter Make: Proton	01 Nos	40481	Maintenance	Equipment
38	Dell All in One INS 2330 i3/3rd Gen/4/1TB/23/DVD/1GB Graphic Card Wirless Keeboard & Mouse Printer	01 No 01 No	73975	Dr Bivudutta Mishra	Computers
39	Roots Floor Scrubber/Drier model: E-4545 Brush Nylon	01 No 01 No	141430	Auditorium	Equipment
40	KENT ROTM Water Purifier Model: KENT ELITE	06 Nos	183000	Maintenance	Equipment
41	80 KVA HPE 133 Online UPS System with 12V/75AH SMF Batteries 40 Nos along with Rack & Accessories	01 set	887250	Auditorium	Equipment
42	Computer Nodes: IBM X 3550 M4 server-2x8 Core 2.0GHz Intel Xenon E5 - 2640V2 processor,	04 Nos	22000	EEE	Equipment

SI No	Item Description	Quantity Match	Bill Amount	End User	Ledger Folder
	2x500GB NL SATA Disks, 64GB DDR3 RAM, Dual 1Gbe Ports, RAID 0/1, Redundant and hot plug Fans, Rack Mount rail Kit 3Years NBD Onsite Warranty				
43	Analytical Balance Make: Sartorius, Model: BSA 224S-CW	01 No	79800	Pharmacy	Equipment
44	Water Cooler 80Lts Blue Star Make SDLX 6080 4 KVA Stabilizer	06 Nos 06 Nos	201240	Auditorium	Equipment
45	Laboratory & Scientific Equipment Polarizer & Detector Units Electromagnet, Power Supply, Hall Probe & Sample Holder Monochrometer & White Light Source	01 No 01 No 01 No	1325277	Dr Kannan Ramaswamy	Equipment
46	Solar P V Training & Research System	01 No	199500	Mechanical Engg	Equipment
47	Digital Magnetic Stirrer with Heating Model: C MAG HS7 Digital, SI: 06.113825	01 Nos	34960	Dr Anupam Bhattacharya	Equipment
48	Texture Analyser 30Kg Capacity	01 No	£13,000 (12,11,620)	Pharmacy & DST Fist	Equipment
49	Ice Flaking Machine Cap: 30 Kg/24 Hrs	01 No	128813	Prof Suman Kapur	Equipment
50	Digital Electroconvulsimeter	01 No	21984	Dr D Sriram	Equipment
51	Model GDT-810 Arm Processor Based Controller	02 Nos	62000	ESD	Equipment
52	Sonicators 2Lts Cap, Model: EN20US Ultra Sonicator 5Lts Cap, Model: EN50US	01 No 01 No	51473	Pharmacy	Equipment
53	HEI-VAP VALUE DIGITAL G3 230V 50/60HZ IN PLUG P/No: 560-01302-06-0	01 No	245001	Dr Anupam Bhattacharya	Equipment
54	Electronic Weighing Balances PG-1000 A J-220E/220gr/0.001gm/118mm Dia Battery Charger with 12V/1.3Ah Battery	01 No 01 No 01 No	69503	Chemistry	Equipment
55	Whitenair BSL3 Containment Laboratory System	01 No	100000	Dr D Sriram	Equipment
56	Clean Room Monitor for Humidity Temperature & Differential Pressure (Model: A1-CRM1)	01 No	28339	Dr D Sriram	Equipment
57	Automated Flash Chromatography System Integrated with TLC Image Reader Yamazen Model: AKROS	01 No	USD 21000	Dr Manab Chakravarty	Equipment
58	AVL DITEST MDS 650 INT Equipment	01 No	3350436	Mechanical Engg	Equipment
59	HP Proliant 1U Rack Server, Intel Xenon R E3-1220v3 HP Proliant DL 320 E 1U Rack Server Rack 37U for Housing the Server HP 2920 20 Port 10/100/1000+10G Dual SPF Slots HP 1910-24G Switch 3KVA UPS 30 Min.Backup UTP Cable and IO Box Patch Card	02 Nos 01 No 01 No 01 No 01 No 01 no 01 No	819522	Dr G Geetha Kumari	Computers
60	Electrophoresis Powder Supply Unit	01 No	28906	Dr K Naga Mohan	Equipment
61	Refrigerator Model: LG M30LRLTL4(285 Lts)	01 No	27900	Dr Arti Dhar	Equipment
62	3.0 HP Aquatex Mud Pump, 3/PH Type SCM 45 Deli Size2" LT/LK Dol Starter 2" Section Pipe Motor Cover Gi	01 No 01 No 10 Nos 01 No 01 Set	27143	Maintenance	Equipment
63	Constrained Groove Pressing Tool (2 Nos) Deep Drawing Tool Re Drawing Tool	01 set 01 No 01 No	189000	Workshop	Equipment

SI No	Item Description	Quantity Match	Bill Amount	End User	Ledger Folder
64	PROMIVAC Rotary High Vacuum Pump Double Stage Model: PVD2-100D	01 No	29575	Dr Anupam Bhattacharya	Equipment
65	Eppendorf µCuvette G 1.0 and Eppendorf BioSpectrometer basic, 230V/50-60 Hz	01 No	400000	Dr Vamsikrishna Venuganti	Equipment
66	Magnetic Stirrer with Heating MR HEI Standard 230/240V 50/60 HZ IN P/N. 505-20000-18-1	01 No	33500	Dr Ramakrishna Ganesan	Equipment
67	C5 LDR Max.Operating Com(10Bar)-5069905	01 No	220080	Mechanical Engg	Equipment
68	NB Dell Inspiron 3542 C17-4G/1TB/2/W8/Blac OD001263049240534700, SR No-FPKG412	01 No	58690	Dr Sarmistha Banil	Laptop
69	Dell Vostro 3546 Notebook (4th Gen Ci5/8GB/1TB/Ubuntu/2GB Graph) COMDY7WRWGVF2GZ (3564581TB2GU)	01 No	42540	Dr Sarmistha Banil	Laptop
70	IEICOS Basic Roof Truss Model: SE-06 IEICOS Experimental Set Forces in a Truss Model: SE-12 IEICIS Shearing Force and Bending Moment Apparatus Model: SE-15 IEICIS Experimental Set Influence Line Model: SE-19 IEICIS Statics Work Panel Model: SK-1 IEICIS Suspension Cable Demonstration Model: SK-2 IEICIS Equilibrium of a Rigid Body Model: SK-03 IEICIS Equilibrium of a Beam Model: SK-05 IEICIS Deflection of Beams & Cantilevers Model: STR-4 IEICIS Three Hinged Arch Model: STR-9 IEICIS Beam Apparatus Model: STR-19	01 No 01 No 01 No 01 No 01 No 01 No 01 No 01 No 01 No 01 No	1136121	Civil Engg	Equipment
71	Refrigerator LG 292 RMTL, 258 Lts	01 No	21000	Dr Ramakrishna Vadrevu	Equipment
72	Panasonic PT-LX300EAS1, 3000 Lumenx, DLP Projector	01 No	41793	Chemical Engg	Equipment
73	Blower (Everest 5175, Cap:300m3/Hr,0.55kg Pressure/ccm2) For STP	01 No	154575	Maintenance	Equipment
74	Polyscience MX Temperature Controller Refrigeration/Heating Circulator Bath	01 No	USD 2505	Dr Pradip B Dhomole	Equipment
75	EOS 1200D with 18-55 IS 11Lens (Camera) Canon Macro Lens EF 100/2.8 U SLR (Lens)	01 No 01 No	62772	Dr Vamsikrishna Venuganti	Equipment
76	Weed Cutter Honda make Brush Cutter Model: UMK 435 with complete all Accessories like teo tooth blade & safety articles	01 No	24675	Maintenance	Equipment
77	Microscope EVOS XL Core, Fixed Stage Cat: AMEX1000	01 No	152484	Prof S Swaminathan	Equipment
78	Drilling and Tapping Machine Brand: MMT, Cap: 20 mm 1 HP/3 Phase motor Make: CG R/F Switch Drill chuck & Arboer	01 No	36698	Workshop	Equipment
79	Heavy Duty Shering Machine Brand: VIVEK, Cap: 1525x4mm 5HP/3Phase Motor Make: CG DOL Stater make: Bentex, Cap: 5HP	01 No 01 No 01 No	409500	Workshop	Equipment
80	Lab Research Instruments & Accessories Cat: 610000 Mini-Extruder Set	01 No	72060	Dr Swati Biswas	Equipment

SI No	Item Description	Quantity Match	Bill Amount	End User	Ledger Folder
	Inc 2 Syringes, 100 Pc Membranes, 100 filter supports and holder				
81	Vaccum Freeze Drying Machine Economy Biomate	01 No	184155	Prof Suman Kapur	Equipment
82	Dell Latitude E7440 4th Gen Intel Corei7-4600U, 14.HD,16GB(2x8GB)DDR3L, 500GB HDD, Windows 7 Professional	01 No	102979	Dr C R Hota	Laptop
83	PowerEdge R620x8 Chassis Intel Xenon E5-2643v2 3.5GHz, 8GB RDIMM-8, 600GB Hard Drive-2, DVD RW SATA	01 No	438900	Dr C R Hota	Server
84	PowerEdge R620x8 Chassis Intel Xenon E5-2643v2 3.5GHz, 8GB RDIMM-4, 600GB Hard Drive-2, DVD RW SATA	01 No	405217	Dr C R Hota	Server
85	Dell Precision T5610 CTO Base Intel Xeon E5-2650	01 No	299961	Dr Sarmistha Banil	Server
86	Water Bath (2 Rack)	04 Nos	23919	Prof S Swaminathan	Equipment
87	Centrifuge 5702, 230V/50-60Hz, Incl.Rotor A4-38 & 15/50 MI adapters Self-lock Micro Test Tubes 2.0 MI, Colourless 1000 Pcs	01 No 01 Pkt	150000	Dr K Naga Mohan	Equipment
88	HP Laptop Pavilion 15-PO77TX Core i5- 4210OU/8GB/1TB/15.6"/NVIDIA G Force 840M 2GB/Win 8.1/Bag	18 No	895500	WILP	Laptop
89	Dell Precision T7610 CTO Base Intel Xeon Proceaaor E5-2609, 8GB(2x4GB)DDR3, 1TB Hard Drive, 2GB NVDIA	01 No	173250	Dr D Sriram & Dr P Yogeeswari	Server
90	4 Cylinder 4 Stroke Petrol Engine Test Rig 1 Cylinder 4 Stroke Water Cooled Diesel Engine Test Rig	01 No 01 No	1196095	Mechanical Engg	Equipment
91	Blue Star Water Cooler 80Lts Model: SDLX680 4 KVARegal Guard Stabilizers	03 Nos 03 Nos	100620	ESD	Equipment
92	Wheaton Serum Bottle Seal Butyl Septa Crimper	01 No 01 No 01 No 01 No	60326	Dr Asma Ahmed	Equipment
93	TATA Indigo ecs lx	01 No	627000	GAU	Vehicle
94	Feedback Equipments 33-008-PCI Precision Modular Servo Workshop A) DC Modular Servo System MS150 B) Proportional,Integral & Derivative Unit PID150Y C) DC Modular Srvo Upgrade 33-310-Pci Feedback Equipment TK2942-001 Transducers Kit A) Electro-Mechanical Transducer Kit TK2941E B) Heat Transducers Kit Tk2941H C) Light Transducers Kit TK2941L D) Measurements Package Tk2941M E) DC Power Supply 01-100	01 No 01 No	1742826	EEE	Equipment
95	PHY-1001 Micro Electronics Lab Kit	5 Nos	46856	EEE	Equipment
96	PHY-1000 Analog Electronics Lab Kit	5 Nos	52500	EEE	Equipment
97	Apple Amac Book Pro 2.9GHz Dual-Intel Core i7 (MD102HN/A) 8GB/750GB Hard Drive SC1MLK0CPPTY4	1 No	94500	Dr K V S Shiv Chaitanya	Computer
98	DELL OptiPlex 9020 All in One	01 No	118079	Dr Chandu	Computer

SI No	Item Description	Quantity Match	Bill Amount	End User	Ledger Folder
	Kit KM632 Wirless Kay Board & Mouse Bundle	01 No		Perimi	
99	HP Z620 Work Station 23" HP TFT Monitor, 1xE5-2620 Proc,HP 32GB RAM, 1xHP 1 TB SATA HDD, DVD RW,Nvidia K600 1GB Graphics Card	01 No	165000	Dr Durba Roy	Computer
100	Water Coolers 150 Lts Make: Blue Star, Model: SDLX 15150 V Guard 3 KVA Stabilizer	02 Nos	92400	SWD	Equipment
101	"Neolab" Heating Block (Dry Bath)	4 Nos	43950	Dr K Naga Mohan	Equipment
102	UV-VIS Spectrophotometer with RS 232 interface and two quartz cuvettes	1 No	128772	Chemistry	Equipment
103	HP Scanjet G4050 L1957A Photo Scanner	1 No	21000	MECHANICAL ENGG	Printer
104	Apple Mac Book Pro 2.5 GHz dual - core i5	01 No	82700	Dr Akhiad Iqbal	Computer
105	High Precision Electronic Balance, Make: Shimadzu model: BL 220H	01 No	44154	Chemical Engg	Equipment
106	Xerox Work Centre 5845 SI No: 3660236898	01 No	305474	ESD	Equipment
107	HMT-PRAGA CNC Machine Model: PTC200 Commissioning Charges	01 No	1682944	Workshop	Equipment
108	ELEKTRA WIRECUT EDM Model: Springcut-11 Servo Stabilizer 15KVA	01 No 01 No	2974375	Workshop	Equipment
109	1-Phase Auto Transformers: 20A-AE Make 3-Phase Auto Transformers: 20A-AE Make	03 Nos 03-Nos	162132	EEE	Equipment
110	Solar Thermal Training System	01 Nos	728750	Mechanical Engg	Equipment
111	Humidity Over (Environmental test Chamber)- Coolong Type (SI No: ST 001)	01 No	159750	Dr Ramesh Babu A	Equipment
112	DSP TMS3206713 DSP Starter Kit Enclosure for DSP Starter Kit TMS 320C6713 Dsk Kit	05 Nos 05 Nos	181624	EEE	Equipment
113	0-50-100 Ohms/1A resistive Load Consisting of 10 Nos Resistors with a open frame with top cover and 30 terminals	21 Nos	78939	EEE	Equipment
114	AC Power Module SCR-Diode Module IGBT Module	21 Nos 21 Nos 21 Nos	1295878	EEE	Equipment
115	GLOVEBOX Model: A-900A (with stand)	01 Nos	526700	Chemistry	Equipment
116	Vertical Duel Midi Gel System Regular model with standard accessories	01 Nos	59674	Dr Palash Mandal	Equipment
117	SYSBEL FIRE FREE SAFETY CABINET Model ACP80002	2 No	181000	Chemistry	Equipment
118	Laptop Lenovo G 400s 59-383645 (Cori5/4GB RAM/500GB Hardisk/14" Screen,W8/2GB Graphic Printer MFD HP Laser Jet M1136	01 No 01 No	57875	Dr Bivudutta Mishra	Laptop
119	200V, 1A,20W,Source Meter Make: Keithley/Model: 2450 Shielded IEEE-488 Cable, 2m (6.6 ft) Make: Keithley/ Model: 7007-2 IEEE-488 USB-to-GPIB Interface Adapter Make: Keithley/Model: KUSB-488B	01 No 01 No 01 No	468812	EEE	Equipment
120	HE33 Mini Horizontal Unit, complete, Part No. HE33-8-1.5 300V, 500mA, 90W power supply Universal VAC 50/60Hz125mm x 335mm x 280mm, Part No. PS300B	01 No 01 No	75972	Dr P Sankar Ganesh	Equipment
121	Water Bath 12 Hole SS Digital Temperatur controller	01 No 01 No	33672	Chemical Engg	Equipment

SI No	Item Description	Quantity Match	Bill Amount	End User	Ledger Folder
	Supervac Desiccator Clear (Make : Tarson cap: 10 ltr)				
133	Split Air Conditioner 1.5TR 5 Star Make: Blue Star Stablizer 4 KVA	02 Nos 02 Nos	82999	GAU	Equipment
134	Wacom DTH-2242 (Pen & Touch) 21.5 " SI: 3CCQ000016, 3CCQ000022, 3CCQ000023, 3CCQ000024, 3CCQ000125	05 Nos	729750	ESD	Equipment
135	Permeability test Universal Strength Machine (Hydraulic) Shear Strength Attachment Tensile Strength Attachment Transverse strength Attachment Sand Siever Rapid Moisture Tester Mould Hardness Tester	01 No 01 No 01 No 01 No 01 No 01 No 01 No	139781	Workshop	Equipment
136	IWB1- Photo Chemical Reaction Assembly	01 set	74990	Dr Sounak Roy	Equipment
137	Nano Drop ND-2000C UV-Vis Spectro Photometer	1 No	661650	Dr K Naga Mohan	Equipment
138	Projector (Brand: NEC, Model: V300XG)	10 No	503800	ESD	Equipment
139	IDP (Interactive Display Board) 70" monitor SHARP Japan Model: PN-702B Floor Mounting Stand for IDP Monitor Transportation Charges	02 Nos 02 Nos	1238350	ESD	Equipment
140	Bio Safety Cabinet Make: Clean Air Rootospin Bar for 20x15ml Tubes Rotospin - Rotary Mix	01 No 01 No 01 No	305440	Dr K Naga Mohan	Equipment
141	Essae GPS Master with display and longer Range Essae GPS Master with display and Shorter Range Essae GDT-57mm/Green Essae GDT-100mm/Green	02 Nos 02 Nos 04 Nos 01 No	57040	ESD	Equipment
142	UV-VIS Spectrophotometer (UI Based Single Beam S/L: 127/1740)	01 No	176400	Chemistry	Equipment
143	laboratory Ball Mill Cap:5Kg, with out steel balls 48rpm Sieve Brass Frame 20cm dia x 4.75mm Sieve Brass Frame 20cm dia x 2mm Sieve Brass Frame 20cm dia x 1mm Sieve Brass Frame 20cm dia x 600 microns Sieve Brass Frame 20cm dia x 425 microns Sieve Brass Frame 20cm dia x 300 microns Sieve Brass Frame 20cm dia x 150 microns Sieve Brass Frame 20cm dia x 75 microns Sieve Shaker, Motorised with digital Timer Pan & Cover for 20cm dia sieves	01 No 01 No 01 No 01 No 01 No 01 No 01 No 01 No 01 No 01 No 01 Set	151400	Chemical Engg	Equipment
144	Laptop HP 250 Business Note Book (i3-3110,4 GB RAM, 500GB HDD, 15.6", Dos, 1 Year Warranty)	2 Nos	67000	ESD	Equipment
145	Projector (Brand: NEC, Model: V300XG)	6 Nos	302280	ESD	Equipment
146	50*50 Watts Amplifier (Make: Ahuja Model: 5050DP) 32 Watt Speakers (Make: Ahuja, Model: PS500T) Coller Mic (Make:Studio Master, model: EL58) Cables & Connectors (MX) installation Charges	03 Nos 06 Nos 03 Nos 03 Nos 01 Nos	96643	EEE	Equipment
147	200x200 watt Dual Channel Amplifier (Make: Ahuja, Model: TAZ-4000DP) Wall Mount kit ofr Speakers (TPDL Customized) Collar Mic (Make: Studio Master, Model:	01 No 03 Nos 01 No 03 Nos	97271	EEE	Equipment

SI No	Item Description	Quantity Match	Bill Amount	End User	Ledger Folder
	EL58) 200 Watts Speakers (Maker: Ahuja, Model: SRX-200) cable & Connectors (MX) installation Charges	01 No 01 No			
148	Micro Phone (Make: Audio Tech, Model: AT-2020) Distribution (Make: BSS Model: AR-133) Distribution (Make: Samson Model: S-Direct+) Micro Phone (Make: Shure, Model: SM-57) Micro Phone (Make: Shure, Model: SM-58) Micro Phone (Make: Shur, Model: PG081) Head Phone (Make: Shure, Model: SRH 840) microscope (Make: Shure, Model: Beat 91A) Walke Takie (Make: Motorala, Model: T5720) Microphone (Make: DBX, Model: RTA-M)	02 Nos 04 Nos 04 Nos 04 Nos 04 Nos 02 Nos 01 No 01 No 02 Nos 01 No	205812	EEE	Equipment
149	Amplifier (Make: Crown, Model: XT16002) Amplifier (Make: Australian monitor, model: 1202P) Hand Held Mic (Make: Shure, Model: SVX24/PG58) Lapel Mic (Make: Shure, Make: SVX24/PG185)	01 No 01 No 05 Nos 05 Nos	315230	ESD	Equipment
150	Collar mic Transmitter Cable (For Shur Mic) Collar Mic Transmitter Cable (For AKG mic) Service Charge	05 Nos 05 Nos 02 Nos	61680	ESD	Equipment

Annexure 'B3-8'
(5 Pages)
Ref: AR 2014

LIST OF FIRST DEGREE THESIS COMPLETED DURING THE YEAR 2014

Hyderabad Campus

Second Semester 2013-14

SI No	Name	Topic	supervisor
1.	NADIPALLI SRAVAN KUMAR	Delivery of chemotherapeutics using naval nanoparticles	Dr. Swati Biswa
2.	L SRIPADHU	Personal Wealth Management strategies	Mr. T Shyama Sundar/Dr. Punna Rao Ravi
3.	SINGHAL SARTHAK MOHAN	Methyl Mercury induced Neuro Degeneration in Mice Model	Prof.P. Yogeewari
4.	A SIVA PRASADA REDDY	Sector Analysis of an Industry, valuation of a business, Profitability of suppliers	Dr. Hanumantha Rao/Dr. A. Sajeli Begum
5.	TADEPALLI GEETHA SAI SRI VATSAV	Applications of Micro Econometrics	Dr. Durgesh Chandra Pathak/Dr. A. Sajeli Begum
6.	VYAS ADITYA PRASHANT	Assessing the effect of photoperiod changes on the yield and carvacrol content of essential oil of oregano	Dr. Lyle craker/Dr. A. Sajeli Begum
7.	K V S KARTHIK	Educational Data Mining	Dr. Aruna Malapati/Dr. A. Ramu
8.	GORANTLA PAVANSAI KRISHNA CHOUDARY	Some approximate analytical methods for solving differential equations with applications in fluid dynamics	Dr. TSL Radhika
9.	PODURI S V HANUMA SAI SRINATH	Numerical solutions to Blood flow problems	Prof. A. Ramu
10.	VEDERE SHIVA RAM REDDY	Numerical solutions to Compressible flow problems	Prof. A. Ramu
11.	CHINTALA CHERUVU JESWITHA	Graph Theoretic Algorithm	Dr. A. Michael Alphonse
12.	VIJAY NARAYAN	Study of Global supply chain network Models with a focus on inventory management	Prof. Addepalli Ramu
13.	ISHAN AGGARWAL	Study of Failure in Entrepreneurship	Dr. Hanumantha Rao
14.	R PRASHANTH	Probability Theory and its applications	Dr. Sreekar Vadlamani/Prof. M.S. Radhakrishnan
15.	CHINTA UDAY KUMAR	Development of novel methods for fluoxide removal from water	Prof. N. Rajesh
16.	SAYONEE GHOSH ROY	Thesis on simulation on polarisable molecule trapping between two micro electrodes fed by Ac signal	Prof. Souri Banerjee/Dr. Anupam Bhattacharya
17.	SINGIRIKONDA NIHANTH	Applications of Differential equations in economics and Finance	Dr. T.S.L. Radhika
18.	KUNAL BHATIA	Study of the process of new venture creation & entrepreneurship	Dr. Payal mehta
19.	MOPURI HARANATH	Trends in HDI since LPG	Dr. P. Lalitha
20.	KANURI SURYA TEJ	some aspects of Indian Derivative markets IT and FMCG sectors	Dr. Shyam sunder
21.	K SRI VIRINCHI	Some Aspects of security valuation	Dr. Shyam sunder
22.	SAFALJOT SINGH	Risk and Safety analysis: Hazard and Effects Management Process(HEMP) Study	Dr. Chiradeep Datta/ Dr. Srikanta Dinda
23.	R GOKULAKRISHNAN	Energy assessment of compressed air system	Dr. Naveen Bhutani/Dr. Balaji Krishna Murthy
24.	SAVYASACHEE JHA	Biomass degradation & Bioenergy production using archaea	Prof. Haruyuki Atomi/Dr. K . Pranav Narayan
25.	NIKUNJ DUDANI	Detailed study of process design and decision for establishment of chemical industries	Dr. A.Ramesh babu

SI No	Name	Topic	supervisor
26.	VIVEK NIMBARMUNDE	Design of low power multipliers using redundant number system	Mr Syed Ershad ahmed
27.	KONDAPI ANEESHA	Next step in fiber communication Higher order modes; fiber optic communications	Dr. Nirmal K Viswanathan/ Dr. BVVSN Prabhakar Rao
28.	THUMMA VINEETH REDDY	Study of cognitive radio networks	Dr. Y. Yogamamdam
29.	MANCHALA CHANDRASEKHAR REDDY	Processing and detection of ECG signals	Dr. BVVSN Prabhakar Rao
30.	GAGANDEEP SINGH	Processing and detection of ECG signals	Dr. BVVSN Prabhakar Rao
31.	S KARTHIK	Power system protection modules	Mr. J.Britto/ Hari priya
32.	ABHISHEK MITTAL	Design of low - noise amplifier for cmos image sensor of A 3-D camera	Prof. Mukul sarkar/ Dr. Y. Yoganandam
33.	PAKALA VINAY KUMAR REDDY	Implementation of digital signal processing units using Arithmetic units	V. Chetan kumar
34.	SARTHAK GHOSH	The Control of smart home and offices with painting gestures	Dr. Gilles Bailly/V.Chetan kumar
35.	NITIN SURESH	Study of skeletonization algorithms	Dr. Thiruvikraman
36.	TUSHAR SHAH	Application of image processing in facial recognition and analysis	Dr.K M M Rao
37.	SOUMYA GANGULY	ASIC design for the signal conditioning circuit for Non-Invasive estimation of Haemoglobin in blood.	Dr. Shubhajit Roy Chowdhury/ Dr. BVVSN Prabhakar Rao
38.	I RUSHYENDRA REDDY	Infrared Tracking	Dr. Y. Yogamamdam/Dr. Prabhakar Rao
39.	C RAVI CHANDRA MOULI	OFDM (Orthogonal frequency division multiplexing)in 4G communications	Dr. Y. Yogamamdam
40.	ATUL GOVARDHAN .M	Investigation of magneto-optical effects in composite magneto plasmonic nanostructures for sensing applications	Dr. Kannan Ramaswamy
41.	GOKULNATH S	Study of strategic management principles for startups	Dr. P.Lalitha
42.	MATHEWS M JOHN	Investigation of magneto-optical effects in composite magneto plasmonic nanostructures for sensing applications	Dr. Kannan Ramaswamy
43.	SANCHARI THAKUR	Study of Hydrological modelling using swat-(Soil and water assessment tool)	Dr. Murari varma
44.	SANKALP GUPTA	Feasibility of study of a sustainable water management system in staff-quarters of Bits-Pilani, Hyderabad campus	Dr. Murari varma
45.	A ANILKUMAR REDDY	Applications of Hydrological modeling aspects for water resource planning	Prof.K.S. Raju
46.	ANIRUDH KODE	Large deformation in soft tissues	Dr. Chandu Parimi
47.	NISSANKALA AMITH TEJA	Spatial mapping of renewable energies through GIS in Andhra Pradesh	Dr.K.Rajitha
48.	PEDABALLE VIHITA	Statistical analysis of commercial traffic for the estimation of lane distribution factor	Dr. Vinayak Rao
49.	PRIYANK JAIN	Establishment of stress and strain profiles of cement concrete pavement alternatives using FEM	Dr. Vinayak Rao
50.	AMEY LONKAR	Establishment of stress and strain profiles of alternative pavement overlays using FEM analysis	Dr. Vinayak Rao
51.	SAURAB VERMA	Machine learning applications in robotics	M.B.Srinivas
52.	JAYADEV P	Behavioral economics in marketing	Dr. Sudatta Benerjee/Dr. Kannan Ramaswamy
53.	ABHIMANYU IMTIAZ	Schools of thoughts in economics and their relevance in contemporary business strategies	Dr. Shyam Sunder/Dr. Kannan Ramaswamy
54.	KONDA SATWIK	A study of economic schools of thought and analysis of Indian political parties and political movements	Mr. T Ssyam Sundar/Dr. Kannan Ramaswamy
55.	ANERUDH RAINA	object tracking	Prof. P.K Thiruvikraman

SI No	Name	Topic	supervisor
56.	HARSHITHA S K	Efficiently regenerating power from an Artificial wind source with minimum loading effects	Dr. Alivelu Manga parimi
57.	SAVANAM V SAI PRAJWAL	FEA of solid lubricant in CNC Machining	Dr.C. Phaneendra Kiran
58.	LINGA AAKASH	A Detailed Analysis of Quinine and Strawson	Dr. kannan Ramaswamy/Dr. Shamu el Tharu
59.	ARUN.R	On radiation reaction and the lamb shift in quantum electro dynamics	Dr. Detlef Durr/Dr. Sashideep Gutti
60.	T.SIVA PRADYUMNA	Non-Linear Instabilities in hot atomic vapors	Dr. William Guerin/Dr. Kannan Ramaswamy
61.	ARVIND N	Self-assembled and nano patterned structures for light modification	Prof. Achanta Venugopal/Dr. Kannan Ramaswamy
62.	RISHABH JUYAL	Use of stochastic calculus for modelling of security prices	Dr. Arun Vaish/Dr. Aruna Malapati
63.	DEEPANSHU DIALANI	Scalability of web application & improvement of its performance	Mr. Abhishek Thakur
64.	KOMMI KRISHNA CHAITANYA	Study of nature inspired meta-heuristic optimization algorithms	Prof. K. Srinivasa Raju
65.	GAKKIDI KARTHIK REDDY	Bug prediction models	Dr. N.L.Bhanu Murthy
66.	THOMAS TARAK V MATHEW	Image processing with a focus on face detection	Dr. Tathagata ray
67.	RALLAPALLI AKHILA	Intensive comparison of bug prediction models	Dr. N.L.Bhanu Murthy
68.	VISHWAJIT KOLATHUR	Advance cloud technologies	Dr. B. Ashok/Dr. Abhishek Thakur
69.	NELAKURTHI SRI HARSHA	Issues and challenges of start-ups in IT-Sector	Dr. P.Lalitha
70.	ABHISHEK GUPTA	History & evolution of sound technology in India	Dr. Olympia Bhatt
71.	K.S.ADITYA	Content based image retrieval for medical applications	Dr. Pradipta Maji/Dr. N.L.Bhanu Murthy
72.	BISWAJEET MISHRA	Efficient storage of social media messages for text mining	Mr. Surender singh samanth
73.	AYYAGARI V V N ANUDEEP	Toolpath generation for multistage incremental forming	Mr. K.Suresh
74.	ANISH SATISH DABHI	Reverse engineering form photogrammetry to CAD/CAE of machine components	Dr. Srinivas Prakash Regalla
75.	KELKAR ANAND MADHAV	Design of non-pneumatic tyre	Prof. G.Ananthasuresh/Dr. Y.V.D.Rao
76.	B ADITYA	Assembly line simulation using flexsim simulation software	Dr. A.K.Gupta
77.	KALLURU SRIMANNARAYANA SHARAT GUPTA	Modelling of inhaler flows using CFD	Dr. Jeevan Jaidi
78.	DINESH KARANAM	Sector rotation investment strategy	Dr. Siva ram Krishna
79.	NAVJOT SINGH SANDHU	Thermal storage using phase change materials	Dr. Kamran Siddiqui/ K.Suresh
80.	EPHREM JOEL. J	Design of a RR:T Robotic manipulator for high play load for sheet metal forming applications	Prof. Srinivas Prakash Regalla
81.	SHAH DARSHIT NIRAV	An Analysis of the Read-copy update synchronization primitive using p-FP scheduling on real-time systems	Dr. Brandenburg/Dr. Tathagat ray
82.	PRATA KRISHNA SANDEEP	Development of an inexact optimization model for regional energy management (REM system)planning under uncertainty	Dr. S S Deshmukh
83.	RAJAT SHARMA	Design and development of experimental setup for analysis of robotic fingers	Dr. YVD Rao
84.	K. ADITYA	CFD analysis of turbo machine design SCO2 turbine	Dr. Pramod Kumar/ Dr. S.S. Deshmukh
85.	A ADITYA	Numerical investigation of fluid solid interaction in compressible flow	Dr. Rajneesh Bharadwaj/Dr. T.S.L.Radhika

SI No	Name	Topic	supervisor
86.	UTKARSH AGARWAL	Analysing consumer behavior using facial recognition techniques	Mr. Durgesh chandra pathak
87.	K. Sriram	Automating active flow control	Prof. N. Sitaram/Dr. Jalaiah
88.	KATHESH V SHAH	Modelling and terling of materials used for robotic fingers	Dr. YVD Rao
89.	SWARNIM BAGRE	Mathematical modeling of human circulatory system	Dr. T.S.L. Radhika

First semester 2014-2015

SI No	Name	Topic	supervisor
1.	KADARI SOMANATH	Screenplay for a feature lenth narrative film	Dr. Olympia bhatt
2.	CHITTIREDDY SAICHANDAN REDDY	Development issuses in a newly formed state a care study of Telangana	Dr. Srinivas saija
3.	A P C P S PRADEEP KUMAR	Development of communication skills module for a specific tean	Dr. Maya Vianay
4.	PRODDUTURI SUMATH SHANKER	Memory Hierorchy and its challenges in numerical linear Algebra ternels	Prof. S.K Nandy/Dr. Chetan Kumar
5.	MAJETY RUTHVIK	Co-exploration of architechure and algorithmic implementation of NLA kernals o CGRA	Dr.K.C.S.Murthy
6.	SARJAK SHAH	Semantic exploration of Quadretor systems	Dr. Yoganandam
7.	VELLALURU NEEHARIKA	Kelvin probe microscopy for Nano materials characterizations	Dr.Prasant kumar Pattnaik
8.	APOORVA MUSUNURI	cooridoor improvement plan A case study of Thumukunta patny corridor	Dr. Vinayakram
9.	CHHAVI RATHI	Mutations associated with resistance to B-lactams, guinolines aminoglycosides in uropathogens	Dr. Suman Kapur
10.	YEDLAPALLI DINESH KUMAR	Automation of steps involved in sample preparation for Uti machine	Dr. Suman Kapur
11.	SHIVANGI NATH		Dr. Naga Mohan
12.	P PARESH KUMAR	Study of fiber matrix bonding in EPOXY rein forced carbon fibre at a micro level	Dr. Ramesh Babu
13.	ROHIT PUNTAMBEKAR	Optimisation of kraft process of pulping &delignification of eucalyptus globulus based on differences Heart wood and sap wood	Dr. Ramesh Babu/Dr. Srikanta Dinda
14.	PRATOORI RAGHU NANDAN	Finite element modeling of redrawing process using LS-Dyna	Dr. A.K. Gupta
15.	ATHALE MADHURA PRASHANT	Earning prediction for SS304 using analytical and FEM simulation methods for deep drawing operation	Dr. A.K. Gupta
16.	P SAI SAMEER	Comparison and use of different energy optimisation tools on residential buildings	Dr. S.S. Deshmukh
17.	AKKIRAJU PRASANTH	Economics and social analysis of subsidies an Indian agricultural subsidy scinario	Brahma Reddy garu/Dr. Hussain Yaganti
18.	J YAGNESH ROHIT	Aditya Birla Fianance corporate finance :new product development and marketing initiatives	Dr. Tushar Agarwal/Dr. Hanumantha Rao
19.	DHARMANA GOUTHAM	Emperial verification of sameulson hypothesis for commodity future in India	Dr. Hussain Yaganti
20.	NAVENDU SHARMA	Venture investments in India - Evluation of Projects with Unilazer	Dr. Deepak Prasad/ Dr. Sudatta Banerjee
21.	MANUSHREE GANGWAR	High Dynamic range imaging	Prof. Ramakrishna kakarala/ Dr.P.K Thiruvikraman
22.	AVINASH PANDA	Bio-sensing	Dr. Kannan Ramaswamy
23.	RAMPRASAATH R S	Semantic understanding of 3D reconstructed scences for augmented reality applications	Dr. Philip Torr/Dr. Thiruvikraman
24.	MOHAMMED ABDUL SABOOR	Continual heart monitoring through ECG measurement	Dr. Kannan Ramaswamy
25.	HAINS FRANCIS E	Aspects of cosmology	Dr. K Narayan/ Dr. Shashideep Gutti
26.	MENTE TEJA VENKATESWARA RAO	Progressive die design for sheet metal parts of automobile components and machinery components	Dr. Jeevan Jaidi
27.	DEVENDRA CHANDAK	Language politics in India(Tentative)	Dr. Santosh Kumar Mohapatra

SI No	Name	Topic	supervisor
28.	RISHABH SARASWAT	Electrospinning of Bio-based formulations for microencapsulation	Dr. Chandrashekhar sharma/Dr. V. Karthik Chetan
29.	PRATIK JAYASWAL	Batch processes monitoring and root cause analysis via statistical techniques	Dr. Kaushik Ghosh/ Dr. Balaji Krishna Murthy
30.	VELISETTI SURYAPRATHAP	canal health monitoring of irrigation network of nagarjunasagar using satellite remote lensing	Dr. Rajitha
31.	ANANY GUPTA	Blood pressure pulse wave analysis	M.B.Srinivas
32.	RAVURI LIKHITA	Design and implementation of high - frequency , high - power buck converter	Dr. Srdjan M lukic/Dr. U Madhava Rao
33.	BHARGAV J V	Differecne between world cinema and India cinema and future of Indian cinema	Dr.Maya Vinay
34.	MUDAM ANIRUDH	Technological challenges to India's renewable energy policies till 2050	Dr.Shamuel
35.	WANI SAURABH RAVINDRA	Hydraulic cooling effect on solar panel	Dr. S S Deshmukh
36.	SHAURYA NARAYAN SINGH	Robotic welding	Prof. YVD Rao
37.	M SRIVIDYA	Polymeric miscelles for the delivery of chemotherapeutic drug in cancer	Dr. Swati Biswas
38.	MORLA SHRAVAN	Development of an in-vitro assay to determine intracellular drug distribution	Dr. jeff krise/Dr. A. Sajeli Begum
39.	JASLEEN SACHDEVA	Influnece of consumer perception on the purchasing behaviour of hairdye	Dr. Sajeli Begum
40.	KONDIPARTHI LAVANYA	Effect of orginine on Meth	Dr. Arti Dhar
41.	BURRA DIVYASRI	PEG-PLA as a Pdymeric drug delivery system	Dr. Swati Biswas
42.	DHANANJAY VASHISTHA	Identifying malicious softwares within an enterprise network using honeypots	Dr. Hota
43.	RAHUL BASU	Scable analysis of multiple video fees within data center	Dr. Abhishek Thakur
44.	SIDDHARTH DASH	Predicting Bug-fix time	Dr.N.L.Bhanumurthy
45.	NIKHIL DOSHI	Classification of patients for ALS	Dr.Aruna Malapati
46.	CHINTA UDAY KUMAR	Preparation and study of polymer membranes and additives and their antifouling properties and performance	Dr. Uma Chatterjee/Dr. Purnima
47.	KUNAL BHATIA	ECRM Index development and validation in online retail/ E-commerce sector in India	Dr. Arun Kumar/Dr. P. Lalitha
48.	ADITYA TIBREWAL	Assessment of lantana distribution and identifying key dispersers of lantana with recommendation on its control	Ms. Farida Tampal/Dr. P. Sankar Ganesh
49.	R ADHARSH	Supramolecular chemistry involving metal-ligand coordination	Prof. Partha sarathi Mukherjee/Dr. R. Krishnan
50.	N VINEETH	Financing and investing in infrastructure projects	Dr. Murari varma
51.	SHANMUKHA SRIVASTAVA KUCHIBHOTLA	A novel finite element paradigm based on delaunay meshing on point cloud data	Dr. Chandu Parimi
52.	PRANSHU SHARMA	Investigation of lateral placement of commercial vehicles on highways	Dr. Vianayak Ram

**LIST OF PROJECTS COMPLETED UNDER HIGHER DEGREE
DISSERTATIONS AT HYDERABAD CAMPUS DURING THE YEAR 2014**

Hyderabad Campus:

Second Semester 2013-2014

Sr No	Name	Topic	Supervisor
90.	T Seshatalpa Sai	Real Time Implementation of MIMO decoder for 4*4 wireless communication	Prof. Y. Yoganandam
91.	Sidrat tasawoor Kanth	ROC (receiver operating characteristic) Analysis of LFP (Local field potential) for a classifier	Dr.Supratim Ray/ Dr. BVSSN Prabhakara Rao
92.	Abhilash K N	A Design of Reconfigurable ADC	Prof. M.B. Srinivas
93.	Rajendra Prasad Shukla	Fabrication of Nanogap metal electrode using Electron beam lithography	Prof. Souri Banerjee
94.	Ambika Shanker Shukla	AC Impeoence Measurement of DNA Origami	Prof. Souri Banerjee
95.	M. Saketh	estimation of levels of tryptophan and its metabolites - kynurvenine,kynurenic acid and quinolinic acid in the urine of autistic individuals	Dr. Vidya Rajesh
96.	Dave Mohit Narendra	Use of saponins from Indian medicinal plants for cancer therapeutics	Dr. K.P. Narayan
97.	Aishwarya N	use of the MLPA assay in the molecular diagnosis of Gene copy numbers variations in human neuropsychiatric disorders	Dr. K. Naga Mohan
98.	Sonal Saxena	Functional roles of domains and phosphorization of DMAPI	Dr. K. Naga Mohan
99.	Aluru Lakshmi Ramani	Studies in Indian population to evaluate neurotransmitters as potential urinary biomarkers for autism spectrum disorder	Dr. Vidya Rajesh
100.	Madhumita das	Alcoholic liver disease causes symptoms and therapeutics	Dr. Palash Mandal
101.	Prachi Sharad Punjabi	Stability and folding studies of proteins	Dr. Ramakrishna Vadrevu
102.	Rashi Jain	Isolation & Purification of bioactive secondary metabolite of fungal origin	Prof. Suman kapur
103.	Ashwini Sri Hari	Assessment of ecotoxicity of nanoparticles in earthworms	Dr. Sankar Ganesh
104.	A Shalini	Elucidation of molecular mechanisms in the interactions between arabidopsis thaliana & drought mitigating plant growth promoting Rhizobacteria	Dr. Sridev Mohapatra
105.	Ramsankar V	Design of alternate energy based systems for oil shake pyrolysis	Dr. M. Srinivas
106.	Sharath Chandra. J	Study of Nano fluids for electronics cooling applications	Dr. Vikranth Kumar/Dr. I. Sreedhar
107.	Kusumanchi Venkatesh	Nanofluid flow through circular pipe with twisted tape insert	Dr. N. Jalaiah
108.	Priyanshu Sharma	Design optimization of plate heat exchanges using polymers	Dr. S.P. Regella
109.	Nasih Hifzur Rahman	Finite element studies and experimental validation of multi-stage incremental forming	Mr.K.Suresh
110.	K sajun Prasad	Automatic extraction of mid-surface from plastic parts in automotive body for computer aided engineering	Dr. Sellamani Subramani/Dr. Jeevan Jaidi

Sr No	Name	Topic	Supervisor
111.	Shashank Choudhary	Modelling of damage & failure model in composite structure using finite element analysis	Dr. S.P. Regella
112.	Deole Aditya Dattatraya	Experimental and numerical investigation in deep drawing of Ti 64-4A	Dr. A.K.Gupta
113.	Etta guru charan	Investigation on cryogenic assisted milling of hardened steel	Dr. N.S.K Reddy
114.	Prasanth abraham manalel	Recycled aggregate concrete	Mr.M. Venu
115.	Aaron Darius Vaz	Optimization of framing schemes for space frames	Dr. Vasana
116.	Wakode Dhiraj Manohar	Force finding of zero stiffness tensegrity structures using Algorithms	Dr. Vasana
117.	Swaroopji M R	CSD based study on offshore structures subjected to underwater shock waves explosions	Dr. Chandu Parimi
118.	Reshmi K P	Numerical Modeling of fracture properties of self compacting concrete	Mr. J.S. Kalyana Rama
119.	Bishanjit singh Grewal	Destructive and non-destructive testing geo polymer concrete damaged by fire	Mr. J.S. Kalyana Rama
120.	Vishal guleria	Analysis of a structure on hilly regions subjected to seismic, wind and snow loads	Mr. J.S. Kalyana Rama
121.	Rajnish Singh Parmar	Use of rubber from recycled tyres as partial replacement of aggregates in concrete	Mr.M. Venu
122.	Shubhmita Bhatnagar	Calcium phosphate nanoparticles for transdermal vaccine delivery	Dr. V.V.Vamsi Krishna
123.	Renu Yadav	Study of breast self examination (BSE) in hyderabad working females	Dr. Sriram
124.	S lakshmi Anusha	Efficacy of TPB model in predicting organic food consumption	Dr. Sriram
125.	Shaik Ashiff	Pharmacokinetic evaluation of NCE's	Dr. Sriram
126.	Kurumaddali Bbhinav	Spray dried BCE ad an inhaled immunotherapeutic strategy against lung cancer	Dr. Pavan Muttli/Dr. V.V.Vamsi Krishna
127.	Prashanth Kumar Kolepaka	Method of development and Kinetic study	Dr. Punna Rao
128.	Repaka Sarath Chandra	Gold nano rods for the delivery of chemotherapeutics	Dr. Swati Biswas
129.	Jagadeesh B	Development of wound model in mice to delivery drugs using polymer film	Dr. V.V.Vamsi Krishna
130.	Nancy Malik	Design, characterization , invitro and tissue distribution studies of venlafaxine hydrochloride loaded polymeric nano particles	Dr. R.N.Saha/Dr. Punna Rao
131.	Satya Prabhu Naidu Adapa	Formulation and evaluation of gold nanoparticles conjugated to curcumin for cancer treatment	Dr. Swati Biswas
132.	Kotagiri Sonali	Synthesis and optimization of novel histone deacetylase-3(HDAC3) inhibitors as memory enhancers	Dr. Balaram Ghosh
133.	Sojitra Ravi	Synthesis of heterocyclic scaffolds by chemical hybridization technique, useful for treatment of cancer	Prof. Yogeeswari
134.	Rudraraju Reshma Sri Lakshmi	Synthesis of novel mycobacterium tubercular alanine dehydrogenase inhibitors	Dr. Sriram
135.	Chunduri madhuri	Synthesis , Characterization and purity Analysis of 5-ketoacids and lactone impurities of rosuvastatin	Dr.lakshman Chunduru/Dr. Sriram
136.	Jodavula Susruth Sathyanvesh	Combinational library design and synthesis novel leads useful for the treatment of Neurodegenerative disorders	Prof. Yogeeswari

Hyderabad Campus:**First semester 2014-2015 (September 2014 to December 2014)**

Sr No	Name	Topic	Supervisor
1	MD FAIZ IQBAL FAIZ	Visually complete aerial LIDAR point cloud rendering	C R PRASANNA/Tathagata Ray
2	R RAGHAVENDRA PRASAD	study of maximum power point technology for grid connected photo voltaic system	Dr.Jeevanand Seshadrinath
3	SURYA JYOTI ROY	Development of Matlab/simulink algorithm for advance control of home based portable solar power	Prof.UM Rao
4	SYED MUNAWER	Study of permanent magnet motor speed control for transport application (high power PM DC machine)	Prof.UM Rao
5	VIKRAM MURALIDHARAN	Analysis of Regenerative local system	Prof.UM Rao
6	RAMESH B PAI	Electric vehicle design	Prof.UM Rao
7	PRASANTH SIVAPRASAD	Safety integrity level analysis of critical area derivative gas turbine driven compressor control loops with hazop	Prof.UM Rao
8	ABDUR RAHAMAN CHOWDHURY	A study and simulation of steam turbines by pass system	Dr.Jeevanand Seshadrinath
9	RUPALI PULLARWAR	Turbine auxiliary lube oil system modelling using simulink	Dr.Jeevanand Seshadrinath
10	SUNKARANAM VENKATA RAVISAGAR	Modelling of battery (virtual prototyping)	Prof.UM Rao
11	AMIT JAIN	Acoustic monitoring & analysis of machine	Prof.UM Rao
12	KAMALESH KUMAR SHAH	Solar powered LED street lighting with automatic intensity control	Prof G.Bhuvanewari
13	S.KARTHIKEYAN	Design 2 element analysis of smaller size casted flowcells for the ultrasonic flowmeter in compliance to ASME B31.3	Dr. N.S.K.Reddy
14	MADHAVA PRASAD TUNUGUNTLA	Formability studies of extradeep drawing steel at worm conditions	Mr.Nitin Kotkunde
15	PRAMODH RAVI	Thermal analysis of a heat dissipating enclosure housing electronic module performing a detailed computational fluid dynamic analytic to arrive at an optimum layout in forms of heat dissipation. Researching alternative/solutions to arrive at a thermally stable system	Dr. Jalaiah
16	HARISH KUMAR DONTULA	Thermal analysis of a heat dissipating enclosure housing electronic module performing a detailed computational fluid dynamic analytic to arrive at an optimum layout in forms of heat dissipation. Researching alternative/solutions to arrive at a thermally stable system	Dr. Jalaiah
17	AVULA BHASKAR	Design and FEA for larger size casted flow cells for the ultrasonic flow meters as per ASME B31.3	Dr. N.S.K.Reddy
18	DINESH KUMAR SABANKAR	Obstacle detection & floor mapping using the principle of augmented reality	MB Srinivas
19	K. MOHAN VEERAMACHANENI	FPGA implementation of effective noise filtration on ECG signal	Dr.BVVSN Prabhakar Rao
20	LENGADE VIVEK MOHAN	EMD implementation of FPGA	Dr.Prabhakara Rao
21	KATTA ABHINAYA	Bio medical applications on FPGA ECG filtering in FPGA	Dr.Prabhakara Rao
22	SUNEETHA MANDAVA	Very high throughput mechanisms in W1-F1	Dr.Y.Yoganandam

BITS Pilani

annual report 2014

Part B4: Dubai Campus

CONTENTS

S.No	Contents	Page No.
B4	HIGHLIGHTS OF DUBAI CAMPUS	B4-1
B4.1	SENIOR OFFICERS	B4-5
B4.2	ADMISSIONS	B4-5
B4.3	DUAL DEGREES AND TRANSFER	B4-5
	Dual Degree	B4-5
	Transfer	B4-5
B4.4	ACADEMIC CALENDAR	B4-5
B4.5	REGISTRATION OF STUDENTS	B4-6
B4.6	ACADEMIC COUNSELING BOARD (ACB)	B4-6
	B4.6.1 Academic Counseling cell (ACC)	B4-6
B4.7	AWARD OF DEGREES AND MEDALS	B4-6
B4.7.1	Award of Degrees	B4-7
B4.7.2	Award of Medals	B4-7
	(i) Institute Medals for the Academic Year 2012-13	B4-7
	(ii) Director's Medals for the Best All Round Achievement	B4-7
	(iii) DIAC Award for the Best Academic Performance	B4-7
B4.8	CAMPUS INTERVIEWS AND PLACEMENT	B4-7
B4.9	COURSES OFFERED	B4-8
	B4.9.1 Project-oriented Courses	B4-8
	B4.9.2 New Courses	B4-10
B4.10	INSTITUTIONAL ACTIVITIES	B4-11
	B4.10.1 Convocation 2013	B4-11
	B4.10.2 Workshops and Conferences	B4-12
	B4.10.3 MoU with Amsa Renal Care, Dubai	B4-12
B4.11	FACULTY PROFILE	B4-13
	Faculty Development Programme	B4-13
	Some Noteworthy Achievements	B4-13
B4.12	SPECIAL LECTURES, INVITED LECTURES	B4-14
B4.13	INTERNATIONAL/NATIONAL CONFERENCES/WORKSHOPS	B4-14
	B4.13.1 Invited Lectures/Workshops/Talks	B4-14
B4.14	DEPARTMENTWISE REPORTS	B4-14
	B4.14.1 Chemical Engineering	B4-14
	B4.14.2 Electrical & Electronics Engineering	B4-16
	B4.14.3 Mechanical Engineering	B4-21
	B4.14.4 Computer Science	B4-24
	B4.14.5 Biotechnology	B4-28
	B4.14.6 General Sciences	B4-32
	B4.14.7 Humanities and Social Sciences	B4-36
B4.15	DIVISION/UNIT/CENTERWISE ACTIVITY HIGHLIGHTS	B4-39
	B4.15.1 Academic Research Division	B4-39
	Recommended for the Award of Ph. D. Degree	B4-39
	Ph.D. Thesis Submitted and Under Process of Evaluation	B4-39
	Research Contributions through Higher Degree Dissertations	B4-39
	Research Contributions through First Degree Theses	B4-39
	Research Publications by Faculty, Staff and Students	B4-39
	Some Note-worthy Achievements	B4-39
	Consultancy	B4-42
	B4.15.2 Professional Body Activities	B4-42
	IEEE Student Branch	B4-42

S.No	Contents	Page No.
	ASME Student Branch	B4-42
	ACM Student Chapter	B4-43
	Microsoft Tech Club	B4-43
	Linux Users Group	B4-43
	B4.15.3 Centre for Entrepreneurial Leadership (CEL)	B4-44
	B4.15.4 Practice School	B4-44
	Practice School Programme	B4-44
	PS-II Assignments: Institute's Contribution to Industrial Development	B4-45
	Stipend	B4-45
B4.16	CENTRAL FACILITIES	B4-46
	Central Library	B4-46
	Infrastructure and Facilities	B4-48
	Laboratories	B4-48
	Engineering Services	B4-49
B4.17	PROCUREMENT AND MAINTENANCE	B4-50
B4.18	EQUIPMENTS AND ACCESSORIES	B4-51
B4.19	STUDENTS ACTIVITIES, ACHIEVEMENTS, SCHOLARSHIPS, CULTURAL AND ACADEMIC FESTIVALS	B4-52
	1. Student Council	B4-51
	2. Day Scholar Representatives	B4-51
	3. Hostel Committee	B4-51
	4. Clubs	B4-51
	5. Student Activities	B4-52
	6. Social and Environmental Club	B4-52
	7. The Public Speaking and Literary Club	B4-53
	8. Dance Club	B4-53
	9. Drama Club	B4-53
	10. Art Club	B4-53
	11. Music Club	B4-54
	12. Sports Club	B4-54
	13. ENGINuity	B4-54
	14. JASHN	B4-54
	15. Hostel Week Celebrations	B4-55
	16. Farewell Party	B4-55
	17. Welcome Party	B4-55
	18. BITS Sports Festival	B4-55
	19. SPARKS	B4-55
	20. Ethnic Day	B4-56
	21. Technofest	B4-56
	22. Achievements and Commendations	B4-56
	23. Scholarships	B4-57
	24. Earn While You Learn	B4-57

BITS PILANI, DUBAI CAMPUS**B4. HIGHLIGHTS FOR THE YEAR 2014**

1. On 18th January 2014, Sports events were organized for BPDC faculty and staff.
2. On 14th February 2014, Social & Environment Club started the fundraising activity and felicitated the supporting staff of BPDC.
3. On 18th February 2014, Mr. Rami Saredidine, Technical Evangelist, Microsoft Gulf delivered lecture on Introduction to Microsoft Student Programs and Developer Session on App Development and Microsoft Azure.
4. On 27th February 2014, Prof. Navneet Goyal, Computer Science, BITS Pilani, Pilani Campus gave a talk on Big Data, Plethora Of Topics, Viz Parallel Programming Models, Domain Specific Languages And MAP Reduced Framework and Hadoop.
5. On 27th February 2014, Social & Environment Club conducted a talk on Energy Conservation
6. On 11th March 2014, Ms. S. Rajeshwari received the best paper award at the 4th Annual International Conference on Advances in Biotechnology (BIOTECH 2014), Dubai, UAE.
7. On 11th March 2014, Mr. Y.C. Roy, Learning & Organizational Development Leader Strategic Outsourcing-Delivery, IBM delivered a lecture on Strengths Based Leadership.
8. On 13th March 2014, Mr. Vishal Pandey, CEO, Glasgow Consulting, Dubai delivered a lecture on Business Networking.
9. During 17th - 21st March 2014, BITS Pilani, Dubai Campus participated in several events, viz., Throw ball (Girls), Football, Cricket, Volleyball, Basketball, Badminton, Table Tennis, Squash, Tennis, Swimming and Athletics (Boys and Girls) in GMU Sports Festival Inter University Tournament, organized by Gulf Medical University. Also, BPDC teams secured first place in Cricket (Boys & Girls), Throw ball (Girls), Badminton (Boys & Girls), Table-tennis (Boys & Girls), Squash (Girls) and Tennis and won the Overall Championship.
10. On 26th March 2014, Mr Amit Raman, Business Operations, Merck Sharpe & Dohme (MSD) Gulf, DHCC delivered a lecture on MSD's VISION 2020.
11. From 31st March 2014 to 3rd April 2014, "ENGINEuity 2014" an Inter collegiate Tech fest was held in BPDC. Several events, such as, Paper presentation, model making, coding challenges, Just a Minute, Parliamentary Debate and Business challenges were conducted.
12. On 6th April 2014, Prof. Raj Kumar Buyya, Director, CLOUDS Lab, University of Melbourne delivered lecture on Market Oriented Cloud Computing And Big Data Applications.
13. On 10th April 2014, Ms. S. Rajeshwari received the best participant's award during the MTCD-2014 workshop at BITS Pilani, Pilani Campus, India.
14. On 22nd April 2014, Dr. Pance Naumov, New York University Abu Dhabi (NYUAD) delivered lecture on Research Domains: Solid State, Structural Chemistry, Physical Chemistry & Photochemistry.
15. On 23rd April 2014, Dr. S. V. Dharwadkar, Retired Professor From Jawaharlal Nehru Engineering College (JNEC) delivered a lecture on Career Planning For Job Opportunities.
16. On 23rd April 2014, Mr. T.P. Anand, Management Consultant, Motivaluate Consulting And Training delivered lecture on Business Planning & Strategy.
17. From 21st to 24th April 2014, BPDC teams Badminton, Table Tennis, Squash and Tennis (Boys and Girls) participated in AUS Racket Inter University Tournament organized by American University of Sharjah and Secured overall championship.
18. From 22nd to 24th April 2014, JASHN 2014: An Inter college cultural festival was held. The various clubs of BITS Pilani, Dubai Campus organized different events during the cultural fest which comprised of dance, drama, music, literary and art events to name a few.
19. On 27th April 2014, Anomitra Banerjee won the first prize in Old Guard Oral Presentation Competition (OGOPC), in the ASME SPDC DISTRICT J FINALS-2014 for the MENA region held between 26th and 27th April 2014, hosted By American University of Beirut, Lebanon
20. On 27th April 2014, Akash Hathiramani, Puneet Khirwar, Pranav Mohan, Animesh Bhasin won the first prize in Student Design Competition in the in the ASME SPDC DISTRICT J FINALS-2014 for the MENA region held between 26th and 27th April 2014, hosted By American University of Beirut, Lebanon.

21. On 4th May 2014, Social & Environment Club organized a blood donation camp and around 60 units of blood were donated.
22. Between 5th and 8th May 2014, Hostel Week "Recharge" was celebrated in the Dubai Campus. Fun activities like Antakshri, Tambola, Kho Kho, Bathroom singing and many outdoor sports were organized. Indoor activities such as chess, carom, badminton and table tennis were organized as well.
23. On 7th May 2014, a talk and interactive session on "What lies beneath the clouds" was conducted by Mr. Mahesh Jaishankar, Vice President of Datamena and Broadcasting at du, organized by CEL, BPDC.
24. On 22nd May 2014, Tessa Ann John, Vidya Janarshan and Pranav Menon under the supervision of R.Udayakumar won the prestigious, Best Idea Prize at Emirates Student Renewable Energy Competition conducted by the UAE University, in which around twenty top universities took part.
25. On 22nd May 2014, the "DIRO's" Tea Party', a farewell party to the graduating batch was organized by the Alumni Cell. The event began with department photographs being clicked with the respective department faculty. A programme was then organized in the Institute Auditorium to bid farewell to the graduating students. Around 320 students of the graduating batch and faculty attended the ceremony.
26. On 28th May 2014, Prof Dheeraj Sanghi, Dean, Academic Affairs & Professor, CSE Department, IIT Kanpur delivered a lecture on IP Version 6.
27. On 11th August, 2014, Dr. D. S. Nadig, Senior Scientific Officer, Centre For Cryogenic Technology, IISC, Bangalore, India delivered a lecture on Cryogenic Engineering
28. On 11th August 2014, Mr. D. S. Nadig, Principal Research Scientist, Centre For Cryogenic Technology In IISC Bangalore, India delivered a lecture on Introduction And Current Applications Of Cryogenic Engineering, Cryogenic Treatment Of Metals.
29. From 5th to 15th September 2014, Inter Year and Institute team selection as well as coaching camps for Football, Basketball (Boys & Girls), Volleyball (Boys & Girls), Table Tennis (Boys & Girls), Badminton (Boys & Girls), Throw-ball (Girls) and Chess (Boys & Girls) were held.
30. On 6th September 2014, Prof. Anil Pahwa, Electrical and Computer Engineering Department, College of Engineering, Kansas State University, USA & Distinguished BITS Alumnus Awardee delivered a lecture on Some Aspects of Power Distribution System Automation Technologies.
31. On 6th September 2014, the "Convocation 2014" was held at BITS Pilani, Dubai Campus. The day was marked with exuberance and pride as 343 graduating students of BITS Pilani, Dubai Campus received their degrees in the presence of senior government officials of the UAE, dignitaries, parents, friends and teachers. The Chief Guest at the 'Convocation 2014' was Mr. Essa Al Ghurair, Chairman, Al Ghurair Resources LLC. The Guest of Honour at the Convocation was Padma Shri Prof. D Balasubramanian, Director of Research, L.V. Prasad Eye Institute, Hyderabad, India. Also, gracing the occasion were Dr. Ayoub Kazim, Managing Director, Education Cluster of TECOM Investments; Dr. Warren Fox, Executive Director for Higher Education, KHDA; Prof. Bijendra Nath Jain, Vice Chancellor; Mr. Hemant Kumar and Mr. Kris Ramachandran, Members of Board of Governors; Prof. K.E. Raman, Director, Goa Campus; Prof. R.K. Mittal, Director, Special Projects, the Senate members and Industry Partners.
32. On 10th September 2014, Mr. D.S. Jain Former Dy Director and Project Director, NRSC Indian Space Research Organisation (ISRO), Hyderabad, India & BITS Alumni delivered a lecture on Indian Space Programme on Satellite Remote Sensing.
33. On 16th September 2014, Mr. Rakesh Pardasani, Partner at RSM Dahman, Dubai delivered a lecture on Business Plan and its Components.
34. On 18th September 2014, Mr. Ahmed Gamal, Elnady Engineering and Agencies, Egypt delivered a lecture on Modeling In Chemical Engineering Using Comsol.
35. On 18th September 2014, the Fresher's Welcome Party named "Ice-Breakers" was organized by the senior students of the Institute to welcome the new batch of students of 2014. The event began with students of the new batch breaking ice blocks with a sledge hammer. Dance and music performances by the senior students entertained the gathering and encouraged the students of the new batch to display their skills on stage voluntarily.
36. On 18th September 2014, Student Council election was held. Following students were elected: Mohamed Atyab (President), Faisal Khan (Vice President) and Akshan Paresh Mehta (General Secretary). Swathi Sampath was nominated as Ex officio member. Day scholar representatives and Hostel representatives were also elected on that day.
37. On 23rd September 2014, Dr. Janusz Sadowski & Dr. Niko Granqvist, Oy Bionavis Ltd, Finland delivered a lecture on Bionavis Applications In Life Sciences.

38. On 25th September 2014, Ms. Miel Barrios-Severinova, Manager, TiE Dubai delivered a lecture on Business Plan Competition and TiECon.
39. Mr. Adarsh Venkatraman, who graduated in 2014 in Electrical and Electronics Engineering, secured admission in University of Cambridge, Cambridge and Mr. Deepan Kishore Kumar secured admission in California Institute of Technology, California.
40. From 2nd to 8th October 2014, The Social and Environment Club of BPDC started its activity for the current academic year with DAAN Utsav celebration. Under the umbrella of the DAAN UTSAV "the joy of giving week" several events were hosted which included, Dandiya Night, a fundraiser for The Prime Minister's Kashmir Relief Fund, the Institute clean up drive, a thanks giving day for the supporting staff, cloth collection drive and a day of interaction with special needs children.
41. On 7th October 2014, Mr. Ashish Patel, CEO, Euphoria Ventures delivered a lecture on The Entrepreneurial Journey.
42. On 12th October 2014, Prof. Dr. B. Chandra, Professor, Dept. of Mathematics, Indian Institute of Technology, New Delhi delivered a lecture on Recent Trends in Data Mining.
43. On 14th October 2014, Inter-Year Athletics tournament was held at Dubai Men's College and BPDC athletes participated in 100M (boys & girls) 200M (boys & girls) 800m (boys & girls) 1500M (boys & girls) 400M (boys & girls) 4 x 100 M (boys & girls) Long Jump (boys & girls).
44. On 16th October 2014, Prof. Dr. Santhi Thilagam, Professor, Dept. Of CSE, National Institute Of Technology, Suratkal, Karnataka delivered a lecture on Distributed Data Management.
45. On 16th October 2014, Mr. Mohammed Awad, HSSE Advisor from Petrofac International Ltd delivered a lecture on Importance of Risk Management and HSE in Chemical Industries.
46. On 19th October 2014, Dr. Omar Ait Salem, MSC ADAMS delivered a lecture on Multi body dynamics.
47. Between 22nd and 23rd October 2014, Sparks 2014, an Intra-college event was held. The event comprised of competitions held in the auditorium and were organized by the Dance Club, the Drama Club and the Music Club. There were drama events like Impulse and Street Play. Music events like Eastern and Western rounds of Solo and Duet singing, Instrumental Music and Battle of Bands.
48. On 26th October 2014, Mrs. Medha Juvekar, Nutritionist and Dietician at Deenanath Mangeshkar Hospital, Pune delivered a lecture on Nutrition Made Easy.
49. From 29th to 30th October, 2014, International Conference on Biotechnology and Bioengineering-2014 (ICBB 2014) was held.
50. On 30th October 2014, Ms. Salma Sheriff received the best oral presentation award at the International Conference on Biotechnology and Bioengineering-2014 (ICBB 2014), Dubai, UAE.
51. On 30th October 2014, Ms. Shristi Singh received the best oral presentation award at the International Conference on Biotechnology and Bioengineering-2014 (ICBB 2014), Dubai, UAE.
52. On 30th October 2014, Ms. Gayathri Ganesh received the best oral presentation award at the International Conference on Biotechnology and Bioengineering-2014 (ICBB 2014), Dubai, UAE.
53. On 30th October 2014, Ms. Nirupama Dixit received the best poster presentation award at the International Conference on Biotechnology and Bioengineering-2014 (ICBB 2014), Dubai, UAE.
54. On 1st November 2014, BITS Pilani, Dubai Campus Football, Cricket, Volleyball, Basketball, Badminton and Athletics (Boys and Girls) teams participated in DIAC Cup Inter University Tournament organized by Dubai International Academic City student hub. BPDC girls Basket Ball, Badminton girls and Athletics teams turned out to be the runner ups for their respective events.
55. On 5th November 2014, Ethnic Day was organized to celebrate the Foundation Day of BITS Pilani, Dubai Campus. Students dressed up in ethnic wear on the day and a cultural event was organized in the Institute Auditorium.
56. On 6th November 2014, Dr. Sundar Balasubramaniam, Professor of CSIS Dept. & Dean, Academic Resource Planning, BITS Pilani, Rajasthan delivered a lecture on a Distributed Computing Framework for High Performance Data Mining.
57. On 6th November 2014, Ms. Rema Menon Vellat, Director, Counselling Point Training & Development, Dubai – UAE delivered a lecture on A Multi Pronged Approach to Promote Well Being.
58. On 9th November 2014, Ms. Suchita Gera received the best poster award at International Conference on Emerging Trends in Biotechnology, Jawaharlal Nehru University, New Delhi
59. From 11th to 13th November 2014, the Art Club 'SHADES' held its event called 'ARTEX'. It included 13 activities and competitions like Blind Art, Face Art, Rangoli, Henna, etc., and also 'Kalakriti' which is the

exhibition of art work by students and faculty during ARTEX with 10 categories like Oil Painting, Acrylic Painting, Pencil Sketching, Best out of Waste etc.

60. On 16th Novemebr 2014, Anomitra Banerjee, from ASME BITS Pilani, Dubai Campus Student Section, UAE represented MENA region (District J) in the finals of Old Guard Oral Presentation Competition held between 14th to 16th November 2014 at The International Mechanical Engineering Congress and Exposition 2014 (Montreal, Canada) and was the first Indain UAE student to win the first position since 1956.
61. On 16th Novemebr 2014, Akash Hathiramani, Puneet Khirwar, Pranav Mohan, and Animesh Bhasin have represented MENA region (District J) in the finals of Old Guard Oral Presentation Competition held between 14th to 16th November 2014 at The International Mechanical Engineering Congress and Exposition 2014 (Montreal, Canada)
62. On 23rd November 2014, Prof Suresh Bhargava, Deputy Pro Vice Chancellor (Int) College Of Science, Engineering And Health Director - Centre Of Adv. Materials & Indus. Chemistry, School Of App. Sciences, RMIT University, Melbourne, Australia delivered a lecture on Multidisciplinary Approach to Create Innovation In Science and Engineering.
63. From 23rd to 27th November 2014, The 12th BITS Sports Festival (BSF 2014) at BITS Pilani, Dubai Campus was inaugurated by Director of BITS Pilani Daubai Campus, Prof. Dr. R. N. Saha and Prof. Dr. Suresh Bhargawa from MIT University Australia. Mr. Piyush Chawla (Int'l Cricketer) and Mr. Ranjib Biswal (IPL-Chairman and Honourable Member of Indian Parliament) were the Guest of Honour and the Chief Guest for the Prize distribution ceremony respectively. The Athletics Overall Championship and BSF 2014 Overall Championship trophy were won by BITS Pilani, Dubai Campus.
64. On 26th November 2014, MoU with AMSA RENAL CARE, Dubai was signed. AMSA Renal Care, Dubai is a member of Safaa Al Khair Group of Companies, engaged in the high quality care of renal impaired patients with the state-of-the-art technology. AMSA Renal care, Dubai the first center to offer standalone Dialysis in Dubai, UAE was established in the year 2013, has entered into a Memorandum of Understanding with BITS Pilani, Dubai Campus to foster collaboration between the two organizations. Under this MoU, both BITS and AMSA Renal Care have agreed to conduct various activities including but not limited to R&D activities and execution of AMSA sponsored research & consultancy projects at BPDC, projects of BPDC students at AMSA under PS-II/Thesis/ Dissertation, sharing the technical information and conducting training programs.
65. On 26th November 2014, Mr. Mohsin Ali and Mr. Zubair Kazmi, ADAM Global Legal Consultants LLC delivered a lecture on How to set up Business in U.A.E. - Legal Aspects.
66. On 28th November 2014, Mr. Sushant Panda, Director, SYUM LABS, Mumbai, India delivered a lecture on Business Analytics using BI Tool Tableau Software.
67. On 4th December 2014, Dr Stephen Lu, David Packard Chair in Manufacturing Engineering and a Professor in Industrial and Systems Engineering, Aerospace and Mechanical Engineering and Computer Science in the Viterbi School of Engineering at University of Southern California, USA delivered a lecture on Principles and Practice of Global Innovation.
68. From 7th to 8th December 2014, Technofest was held. Events like MUN, Debate League, Just a Minute, etc were held by Literary club.
69. On 14th December 2014, Prof. (Dr.) M.B. Srinivas, Dean, Administration, BITS Pilani Hyderabad Campus delivered a talk on Current Trends and Future Prospects of Embedded Systems.
70. On 15th December 2014, Mr. Mohamed Jinna A. J., Founding Chairman of United World Halal Development, Singapore delivered a talk & Interactive session on Halal – A Global Perspective of Health and Hygiene.
71. On 15th December 2014, BPDC Library Committee comprising of the following members Dr Sheshadri, Dr D J Shariff, Dr B B Gulyani, Dr G Santosh Kumar, Dr. Vilas Gaithsne, Dr S Rajan, Dr Shazi Shah Jabeen and Dr. A M Surendra Kumar was reconstituted.
72. On 18th December 2014, Sub Committee of Examination Committee for Dubai Campus was formed with following members: Dr. R. N. Saha, Director (Chairman); Dr. A Somasundaram, Associate Dean, ARC; Dr. K. Kumar, Associate Dean, Instructions; Dr. Anand Kumar, Associate Dean, Academic Resource Planning; Prof. D. J. Shariff and Prof. T. G. Thomas.
73. On 31st December 2014, Mr. Arush Gupta, ID No. 2012A3PS016U was nominated as a Member of the Senate of the Institute by the Chancellor for a term of one year.

B4.1 SENIOR OFFICERS**DIRECTOR**

Prof. Dr. R. N. Saha

1. Dr. B. Muralidharan, Dean, Practice School
2. Dr. Priti Bajpayee, Dean, Student Welfare
3. Dr. R. Roop Kumar, Dean, Faculty Affairs
4. Dr. T. G. Thomas, Dean, Admissions
5. Dr. Anand Kumar, Associate Dean, Academic Resource Planning
6. Dr. A. Somasundaram, Associate Dean, Academic Registration & Counseling
7. Dr. K. Kumar, Associate Dean, Instructions
8. Dr. Neeru Sood, Associate Dean, Academic Research
9. Dr. D. J. Shariff, Deputy Registrar

(Details are given in Annexure B4-1)

B4.2 ADMISSIONS

Admissions were made twice during the year 2014, in January 2014 for the second semester 2013-2014 and in August 2014 for the first semester 2014-2015 (Details are given in Annexure B4-2). The admission summary is given below:

	Integrated First Degree Programmes	Higher Degree Programmes	Doctoral Programmes (Ph.D.)	Total
Second Semester 2013-2014	07 (01)	36 (14)	09 (03)	52 (18)
First Semester 2014-2015	449 (141)	20 (05)	04 (02)	473 (148)

Number of female students is given in brackets.

B4.3 DUAL DEGREES AND TRANSFER

(a) Dual Degree

During the academic year 2014-2015, 2 students were permitted to work concurrently for two first degrees under Dual degree Scheme. (Details are given in Annexure B4-3)

(b) Transfer

During the academic year 2014-2015, 2 students were permitted to transfer within First degree. (Details are given in Annexure B4-3)

B4.4 ACADEMIC CALENDAR

During the Calendar year 2014, the second semester 2013-2014 started on 02.02.2014 and ended on 05.06.2014. The first semester 2014-2015 started on 02.09.2014 and will end on 08.01.2015. The second semester 2013-2014 PS II started on 02.02.2014 and ended on 15.07.2014. The Summer Term 2013-14 started on 08.06.2014 and ended on 04.08.2014. Also PS I started on 08.06.2014 and ended on 04.08.2014. The first semester 2014-2015 PS II started on 05.08.2014 and will end on 08.01.2015.

	Starting Date	Ending Date	Number of Instruction days
Second Semester 2013-2014	02/02/2014	05/06/2014	89
Summer term 2013-2014	08/06/2014	04/08/2014	39
First Semester 2014-2015	02/09/2014	08/01/2015	87

B4.5 REGISTRATION OF STUDENTS

The registration for the second semester 2013-14 was held on 2nd February 2014 and that of the first semester 2014-15 was held on 2nd September 2014. In on-campus programmes, 1676 (534) students were registered in the first semester 2014-2015. Details of registration for the first semester 2014-2015 are given in Annexure B4-4.

	Number of students registered
Second Semester 2013- 2014	1515 (489)
Summer Term 2013 - 2014	446 (152)
First Semester 2014 - 2015	1676 (534)

B4.6 ACADEMIC COUNSELING BOARD (ACB)

During the year 2014, the Academic Counseling Board estimated the extent to which students under its purview fell short of the minimum academic performance, drew up a time-frame within which afflictions were to be removed, determined the package of courses for their registration in each semester and laid down the necessary stipulations for achieving intermediate targets. It further monitored their progress and applied necessary mid-course corrections, wherever required. The statistical summary of the number of On-campus students under its purview during the year is given below:

	I Semester 2013- 2014	II Semester 2013- 2014
1. Total number of students under the purview of ACB at the beginning of the semester	98	101
2. No. of students declared out of its purview at the end of the semester	28	16
3. No. of students who left the institute during the semester	7	1
4. No. of students who came under the purview of ACB at the end of the semester	38	39
5. Total No. of students under the purview of ACB during the next semester	101	123

B4.6.1 Academic Counseling Cell (ACC)

Academic Counseling Cell (ACC) consisting of faculty and Student Counselors facilitates counseling services for students' who need counseling with prior appointment with a counselor. Counseling services are confidential services to the students. Also if necessary, a Professional Counselor (PC) is arranged.

B4.7 AWARD OF DEGREES AND MEDALS

B4.7.1 Award of Degrees

During the year 2014, 342 degrees were awarded as given below: Statistical details of these degrees are given in Annexure B4-5, B4-6 and B4-7.

	Number of Degrees Awarded
74 th Award (vide Board of Governors meeting - 5 th March 2014)	48(9)
75 th Award (vide Board of Governors meeting - 11 th July 2014)	295 (98)
Total	343 (107)

B4. 7.2 Award of Medals**(i) Institute Medals for Academic Year 2013-2014**

List of students for award of medals from amongst the students graduated at the end of first semester, second semester and summer term 2013- 2014.

S.No.	ID.No.	Name	Sex	CGPA Obtained	Position Obtained	Type of Medal to be Awarded
Integrated First Degree Programmes (No. of students: 292)						
1.	2010A7PS041U	ARIHANT SOGANI	M	10.00	FIRST	GOLD
2.	2010A7PS159U	NAMBIAR SHRUTI SURENDRAKUMAR	F	10.00	FIRST	GOLD
3.	2010AAPS106U	JYOTIKA SINGH	F	9.93	SECOND	SILVER
4.	2009A1A7053U	ARSHIA FATHIMA	F	9.88	THIRD	BRONZE

(ii) Director's Medals for the Best All Round Achievement

In addition to the Institute Medals, at Dubai Campus Director's medals are awarded to one male and one female student for the best all-round achievement, in every graduating batch. For the 2014 graduating batch, the Director's medals were awarded to the following students:

S. No.	ID. No.	NAME	SEX
1.	2010AATS068U	DEEPAN KISHORE KUMAR	M
2.	2010AAPS300U	VISHISHTHA BOTHRA	F

(iii) DIAC Award for the Best Academic Performance

The "DIAC Award for the Best Academic Performance" for the universities located in DIAC (Dubai International Academic City) was given to the following students for the year 2014:

S. No.	ID. No.	NAME	SEX	CGPA	DIVISION
First Degree					
1.	2010A7PS041U	ARIHANT SOGANI	M	10.00	DISTINCTION
2.	2010A7PS159U	NAMBIAR SHRUTI SURENDRAKUMAR	F	10.00	DISTINCTION
Higher Degree					
1.	2011H141033U	NANDA KUMAR P	M	9.87	DISTINCTION

B4.8 CAMPUS INTERVIEWS AND PLACEMENT

Efforts were made this year to have more and more industries visit the campus for placement interviews. Despite economic slowdown in Dubai, 49 organisations conducted campus interview and made offers to students (Details are given in Annexure B4-8).

Number of companies which conducted campus interviews	49
No. of students interviewed	154
No. of offers made	95

Employed / Higher Studies of Graduates during the Year 2014

Programme	Number Graduated	Employed/ Higher Studies	Unemployed	Those neither informed nor sought help in placement
On-Campus Programme				
B.E. (Hons.)				
Biotechnology	10	6	2	2
Chemical	17	6	6	5
Computer Science	73	34	19	20
Electronics & Communication	73	32	23	18
Electrical & Electronics	37	23	10	4
Electronics & Instrumentation	9	4	2	3
Mechanical	88	47	15	26
Total	307	152	77	78

B4.9 COURSES OFFERED

The number of courses offered during the year 2014 is as follows:

	Number of courses offered
Second Semester 2013- 2014	215
Summer Term 2013 - 2014	12
First Semester 2014 – 2015	200

B4.9.1 Project-oriented Courses

During this year, many students worked on time-bound projects of various types. The information about the projects done and the names of the students who worked on the projects and the names of the instructors are given in Annexure B4-9. A statistical summary is given below:

Sl. No.	Course No.	Course Title	No. of Students	
			II Sem. 2013-14	I Sem. 2014-15
1	BITS C314	LAB ORIENTED PROJECT	3	-
2	BIOT C491	SPECIAL PROJECTS	3	-
3	BITS C331	COMPUTER PROJECTS	3	-
4	CHE C491	SPECIAL PROJECTS	3	-
5	CS C491	SPECIAL PROJECTS	3	-
6	EEE C491	SPECIAL PROJECTS	3	-
7	INSTR C491	SPECIAL PROJECTS	3	-
8	ME C491	SPECIAL PROJECTS	3	-
9	BITS C335	COMPUTER PROJECTS	3	1
10	BITS C313	LAB ORIENTED PROJECT	3	-
11	BITS C323	STUDY ORIENTED PROJECT	3	1

Sl. No.	Course No.	Course Title	No. of Students	
			II Sem. 2013-14	I Sem. 2014-15
12	ECE C491	SPECIAL PROJECTS	3	-
13	ME F491	SPECIAL PROJECT	3	6
14	CHE F266	STUDY PROJECT	3	5
15	CS F266	STUDY PROJECT	3	20
16	EEE F266	STUDY PROJECT	3	7
17	INSTR F266	STUDY PROJECT	3	1
18	ME F266	STUDY PROJECT	3	21
19	CHE F366	LABORATORY PROJECT	3	9
20	CS F366	LABORATORY PROJECT	-	4
21	ME F366	LABORATORY PROJECT	3	15
22	CHE F376	DESIGN PROJECT	3	5
23	CS F376	DESIGN PROJECT	3	24
24	EEE F376	DESIGN PROJECT	18	-
25	INSTR F376	DESIGN PROJECT	3	5
26	ME F376	DESIGN PROJECT	3	17
27	ECE F266	STUDY PROJECT	3	16
28	ECE F366	LABORATORY PROJECT	3	9
29	ECE F376	DESIGN PROJECT	3	17
30	ECE F491	SPECIAL PROJECTS	3	3
31	ECE F367	LABORATORY PROJECT	-	1
32	ECE F377	DESIGN PROJECT	-	3
33	CS F491	SPECIAL PROJECT	3	13
34	EEE F491	SPECIAL PROJECT	-	1
35	INSTR F491	SPECIAL PROJECT	3	-
36	EEE F366	LABORATORY PROJECT	-	4
37	INSTR F366	LABORATORY PROJECT	3	1
38	ME F367	LABORATORY PROJECT	1	1
39	CS F377	DESIGN PROJECT	3	7
40	INSTR F377	DESIGN PROJECT	1	1
41	ME F377	DESIGN PROJECT	5	5
42	HSS F266	STUDY PROJECT	3	13
43	BIOT F377	DESIGN PROJECT	-	1
44	BIOT F376	DESIGN PROJECT	3	7
45	BIOT F366	LABORATORY PROJECT	3	10
46	BIOT F491	SPECIAL PROJECT	2	-
47	BIOT F266	STUDY PROJECT	3	6
48	EEE F266	STUDY PROJECT	3	-
49	INSTR F266	STUDY PROJECT	3	1
51	CHE F366	LABORATORY PROJECT	3	9
52	CS F366	LABORATORY PROJECT	4	-
53	ME F366	LABORATORY PROJECT	3	15
54	CHE F376	DESIGN PROJECT	3	5

Sl. No.	Course No.	Course Title	No. of Students	
			II Sem. 2013-14	I Sem. 2014-15
55	CS F376	DESIGN PROJECT	3	24
56	EEE F376	DESIGN PROJECT	-	18
57	INSTR F376	DESIGN PROJECT	3	5
58	ME F376	DESIGN PROJECT	3	17
59	ECE F266	STUDY PROJECT	3	16
60	ECE F366	LABORATORY PROJECT	3	9
61	ECE F376	DESIGN PROJECT	3	17
62	ECE F491	SPECIAL PROJECTS	3	3
63	ECE F367	LABORATORY PROJECT	1	-
64	ECE F377	DESIGN PROJECT	3	-
65	CS F491	SPECIAL PROJECT	3	13
66	EEE F491	SPECIAL PROJECT	1	-
67	INSTR F491	SPECIAL PROJECT	-	3
68	EEE F366	LABORATORY PROJECT	4	4
69	INSTR F366	LABORATORY PROJECT	3	1
70	ME F367	LABORATORY PROJECT	1	-
71	CS F377	DESIGN PROJECT	3	7
72	INSTR F377	DESIGN PROJECT	1	-
73	ME F377	DESIGN PROJECT	5	-
74	HSS F266	STUDY PROJECT	3	13
75	BIOT F377	DESIGN PROJECT	1	-
76	BIOT F376	DESIGN PROJECT	3	7
77	BIOT F366	LABORATORY PROJECT	3	10
78	BIOT F491	SPECIAL PROJECT	2	-
79	BIOT F266	STUDY PROJECT	3	6

B4.9.2 New courses

During the year, 43 new courses were offered.

Sl.No.	Compcode	Course No.	Course Name	Enrolled
1	9	BITS G553	REAL TIME SYSTEMS	17
2	150	CS C422	PARALLEL COMPUTING	17
3	189	ME G521	MECHANICAL SYSTEM DESIGN	30
4	224	MEL G632	ANALOG IC DESIGN	8
5	333	SS G653	SOFTWARE ARCHITECTURES	17
6	362	DE G531	PRODUCT DESIGN	14
7	410	ME G515	COMPUT FLUID DYNAMICS	9
8	933	MBA C427	eBUSINESS & INTERNET MKT	7
9	1120	ECON F212	FUNDA OF FIN AND ACCOUNT	105
10	1170	GS F232	INTRODUCTORY PYSCHOLOGY	103
11	1202	CHE F433	CORROSION ENGINEERING	20
12	1208	CHE F471	ADVANCE PROCESS CONTROL	1

Sl.No.	Compcode	Course No.	Course Name	Enrolled
13	1251	EEE F345	POWER APPARATUS & NETWK	35
14	1281	ME F420	POWER PLANT ENGINEERING	43
15	1323	CS F422	PARALLEL COMPUTING	23
16	1354	INSTR F413	ADVANCE PROCESS CONTROL	7
17	1357	INSTR F420	DESIGN OF INSTRU SYSTEMS	14
18	1378	BIOT F423	DRUG DESIGN AND DELIVERY	6
19	1393	ECE F472	SATELLITE COMMUNICATION	17
20	1394	ECE F431	MOBILE TELECOM NETWORKS	11
21	1592	BITS F412	PRACTICE SCHOOL II	144
22	1593	BITS F421T	THESIS	13
23	1640	BITS F466	SERVICE ORIENTED COMPUTING	9
24	1691	EEE F376	DESIGN PROJECT	18
25	1705	ECE F367	LABORATORY PROJECT	1
26	1706	ECE F377	DESIGN PROJECT	3
27	1716	EEE F491	SPECIAL PROJECT	1
28	1731	EEE F366	LABORATORY PROJECT	4
29	1748	ME F367	LABORATORY PROJECT	1
30	1756	CS F377	DESIGN PROJECT	7
31	1761	INSTR F377	DESIGN PROJECT	1
32	1764	ME F377	DESIGN PROJECT	5
33	1768	BITS C419	MANAGEMENT OF CROSS CULTURAL ENGINEERING TEAMS	1
34	1769	BITS F419	MANAGEMENT OF CROSS CULTURAL ENGINEERING TEAMS	18
35	1796	BITS F462	RENEWABLE ENERGY	85
36	1797	BITS F468	NEW VENTURE CREATION	33
37	1808	BITS F416	INTRO TO NANOSCIENCE	53
38	1840	BIOT F377	DESIGN PROJECT	1
39	1844	BIOT F491	SPECIAL PROJECT	2
40	1876	BITS F432	ENTREPRENEURSHIP	72
41	1877	MGTS F233	PRIN OF MARKET FOR ENGRS	51
42	1883	CS F444	REAL TIME SYSTEMS	5
43	2108	CS G527	CLOUD COMPUTING	16

B4.10 INSTITUTIONAL ACTIVITIES

B4.10.1 Convocation 2014

BITS Pilani, Dubai Campus conducted its 11th Convocation on 6 September 2014. Engineering Degrees were awarded to 343 graduates in the Convocation. The event was attended by senior officials of the UAE, dignitaries, parents and teachers. The Chief Guest at the 'Convocation 2014' was Mr. Essa Al Ghurair, Chairman, Al Ghurair Resources LLC.

During this prestigious event the degrees were conferred on 307 Graduates who graduated with a First Degree in the following disciplines of engineering: Chemical, Electrical and Electronics, Mechanical, Computer Science, Electronics and Instrumentation, Electronics and Communication, Biotechnology and 35 graduated with a Higher Degree in Design Engineering, Microelectronics, Software Systems and M.B.A. and one candidate was awarded the Doctoral Degree. BITS Pilani, Dubai Campus has been a shining example of quality education since the year 2000 and till date more than 3000 students have graduated from Dubai Campus.

Delivering the Convocation Address, Mr. Easa Al Ghurair urged the graduates to aim the impossible and start their career with great vigour and passion. The Guest of Honour at the Convocation was Padma Shri Prof. D

Balasubramanian, Director of Research, L.V. Prasad Eye Institute, Hyderabad, India. In his speech, he said that BITS, regardless of the campus, catalyzes and creates scholars, innovators, inventors and social benefactors and he was certain that most of the graduates will turn out to be one of these.

Also gracing the occasion were Dr. Ayoub Kazim, Managing Director, Education Cluster of TECOM Investments; Dr. Warren Fox, Executive Director for Higher Education, KHDA; Prof. Bijendra Nath Jain, Vice Chancellor; Mr. Hemant Kumar and Mr. Kris Ramachandran, Members of Board of Governors; Prof. K.E. Raman, Director, Goa Campus; Prof. R.K. Mittal, Director, Special Projects, the Senate members and Industry Partners.

In recognition of academic merit, Gold Medals were awarded to Arihant Sogani and Nambiar Shruti Surendrakumar followed by Silver and Bronze Medals, to Jyotika Singh and Arshia Fathima respectively. Vishishtha Bothra and Deepan Kishore Kumar received the Director's Medals for Best All Round Achievements – Girls and Boys respectively. The recipients of Dubai International Academic City Academic Excellence Award were Arihant Sogani, Nambiar Shruti Surendrakumar for First Degree and Nandakumar P for Higher Degree.

The Vice Chancellor, Prof. B.N. Jain highlighted the achievements, future plans and challenges of BITS Pilani. He emphasized the University's growing focus on research and innovation. He also read out an inspiring message from the Chancellor, Dr. Kumar Mangalam Birla.

Prof. Dr. R.N. Saha, Director in his report said, "Special emphasis is given to improve quality of teaching and knowledge delivery, enhance placement scenario, improve laboratories and other facilities using modern technology, research and administration".

BITS Pilani graduates are employed in more than 1000 prestigious companies around the world such as Microsoft, Oracle, Siemens, L&T, Petrofac, McDermott among global corporations. Several graduates have obtained admission to Masters Programmes at highly reputed institutions such as Cambridge, Stanford, Harvard, Cornell, Carnegie Mellon etc. Many graduates are also successful entrepreneurs.

B4.10.2 Workshops and Conferences

1. 4th Annual International Conference on Advances in Biotechnology (BIOTECH 2014) was jointly organized by Department of Biotechnology, BITS Pilani, Dubai Campus & GSTF (Global Science and Technology Forum) from March 10-11, 2014.
2. Hands-on workshop on "Modeling In Chemical Engineering Using Comsol" was conducted by Mr. Ahmed Gamal, Elnady Engineering and Agencies, Egypt, on September 18, 2014, where faculty and students from across the disciplines participated.
3. Department of General Science organized training sessions on SPSS for faculty and students of BITS Pilani, Dubai Campus on September 23 and October 19, 2014 respectively.
4. International Conference In Biotechnology and Bioengineering-2014 (ICBB2014), jointly organized by Department of Biotechnology BITS Pilani Dubai Campus, Microbiologist Society and Babasaheb Ambedkar University, Aurangabad, India during 29-30th October 2014.
5. The Association of Electronics Engineers (AOEE) in collaboration with American Society of Mechanical Engineers(ASME) had conducted an "Autonomous Robotics Workshop" in BITS Pilani Dubai Campus on 20-22 November. The workshop was open to students of all years and it also had participation of students from different colleges like Herriot Watt, Manipal etc. There were a total of 108 participants. The instructor was Mr. Vaibhav Agarwal from IIT Bombay under whose guidance the 3-day workshop was conducted successfully.
6. On December 3, 2014, a one day Motorsport Workshop was conducted by All on Auto IIT KANPUR TECHKRITI 2015 and Student Motorsport UK. The students were detailed on fundamentals of automobile, designing and modeling of 2D and 3D features on Solidworks.
7. An International Conference on Secure Knowledge Management in the Big Data Era (SKM-2014) was jointly organized by BITS Pilani, Dubai Campus, State University of New York, Buffalo and Abu Dhabi Polytechnic, Abu Dhabi, UAE from December 8-9, 2014.
8. One day workshop with hands on experience session on "Bio Medical Instrumentation and Applications" was organized by EEE Department, BITS Pilani, Dubai Campus in association with AMSA Renal Care, Dubai on December 11, 2014.
9. EEE department in association with AMSA renal care, Dubai had organized a one day workshop on "Biomedical Instrumentation and Applications". The workshop was conducted on 11th December 2014, Thursday from 08:30AM to 06:30 AM. The afternoon session of the workshop was done in AMSA renal care for hands on experience in Bio Medical instruments.

B4.10.3 MoU with AMSA RENAL CARE, Dubai

AMSA Renal Care, Dubai is a member of Safaa Al Khair Group of Companies, engaged in the high quality care of renal impaired patients with the state-of-the-art technology. AMSA Renal care, Dubai, which is the first center

to offer standalone Dialysis in the region and was established in the year 2013, has entered into a Memorandum of Understanding with BITS Pilani, Dubai Campus on November 26th, 2014 to foster collaboration between the two organizations. Under this MoU, both BITS and AMSA Renal Care have agreed to conduct various activities including but not limited to R&D activities and execution of AMSA sponsored research & consultancy projects at BPDC, projects of BPDC students at AMSA under PS-II/Thesis/ Dissertation, sharing the technical information and conducting training programs.

B4.11 FACULTY PROFILE

There are 88 Faculty/ Academic staff in BITS Pilani, Dubai Campus at the end of the first semester 2014-2015. Out of these, 60 are Lecturer and above, and 26 are Lab Instructors and Technical Assistants. Out of these 60 teaching faculty, 54 are Ph.D. holders with several years of teaching experience and 6 have appropriate Master's Degrees with several years of teaching experience. There are 9 Professors, 21 Associate Professors, 21 Assistant Professors, 6 Senior Lecturers and 3 Lecturers. Four of these faculty members are on deputation from BITS Pilani. Also there are 1 Adjunct Professor and 1 Adjunct faculty. There is a constant endeavor to add to the strength of the faculty appropriate to the requirements.

During the year, the teacher – student ratio was 1:18.72. The faculty has been intensely involved in all the facets of BITS, namely, teaching, research, Practice School, educational administration and institutional development.

Some Faculty Statistics

(i)	Percentage of teaching staff (Lecturer & above) possessing Ph. D / made good progress towards Ph.D.	90
(ii)	Percentage of teaching staff working for Ph.D.	10
(iii)	Percentage of teaching staff who participated in Practice School Programme in the year	85

Faculty Development Programme

Technical contributions from faculty and students

There were a total of 117 contributions which include 37 in various international Journals and 80 in various Conferences. The complete list of research contributions made by the faculty, staff and students is given in Annexures B4-11 and B4-12.

Some Note-worthy Achievements

- Student Janani Ram won \$35,000, Samsung Launching People competition for her high tech idea "My Visual Companion".
- Student Adarsh Venkat Raman won First prize in the Mathematics category for his research on "Engineered MagLev Matrix for Sorting Biological Cells" in the Second UAE UG Student Research Competition.
- Dubai Campus students won first prize in Old Guard Oral Presentation Competition and Student Design Competition in the ASME Competition of Middle East and North Africa Zone at Beirut, Lebanon.
- The Mechanical Engineering students won a trophy, medals and a cash prize of AED 3000 in the prototype category in the Engineering Students' Renewable Energy Competition held on May 3, 2014 at UAE University, Al Ain.
- A cross discipline student team, first ever in the UAE, designed and fabricated a Formula 1 race car and participated in Formula Society of Automotive Engineers (SAE) competition at Michigan International Speedway.
- Enrollment of FD students increased by nearly 20 %.
- Students of 2014 graduate batch secured admissions in coveted universities, including MIT Sloan School, Carnegie Mellon University, University of Maryland.
- Research collaboration started with few research institutes and organizations.
- Anomitra Banerjee, first Student of any Indian or UAE University, won the finals of ASME Old Guard Oral Presentation Competition at the International Mechanical Engineering Congress and Exposition 2014 (Montreal, Canada).
- Manan Sharma and Sahil Shakir were awarded medals of excellence in the 'Spirit of Innovation', a UAE student competition held in December 2014 in UAE.
- Work for TP Classroom and Meeting room commenced at BPDC (BITS Connect 2) and expected to be ready by February end.

B4.12 SPECIAL LECTURES, INVITED LECTURES

Number of eminent scholars and distinguished alumni visited the Campus and delivered lectures. Details are given in Annexure B4-10.

B4.13 INTERNATIONAL / NATIONAL CONFERENCES / WORKSHOPS

Details are given above in **B4.10.2**.

B4.13.2 Invited Lectures/Workshop/Talks by Faculty:

The following faculty participated in Invited Lectures / Workshop / Talks / Panel Discussions / Chairing the session in International Conferences held during the year:

1. Dr Swaminathan delivered a keynote address during the International Conference on Emerging Trends in Instrumentation, Communication, Electrical & Electronics Engineering (ICE-ICEE, 2014), Indore, India, January 23-25, 2014 titled "From Micro to Nano sensing for Applications in Engineering and Medicine".
2. Dr. S. Karthiyayini delivered a keynote address on "Nuclear power technology development in UAE" in the International Research Conference on Science, Health and Medicine, Dubai on October 15, 2014.
3. Dr. Neeru Sood delivered a talk on "Genetic Engineering for Sustainable Agriculture: Techniques, Merits and Challenges", during 3rd Global Sustainable Biotech Congress 2014, December 1-5, 2014, Jalgaon, India.

A consolidated list of BPDC faculty who participated in International and National Workshops, along with the details is given in Annexure B4-11 and B4-12.

B4.14 DEPARTMENTWISE REPORTS

B4.14.1 Department: Chemical Engineering

Number of faculty members (as on 31st December 2014)

Senior Professors, Professors	-
Associate Professors	01
Assistant Professors	01
Lecturers	-
Visiting Faculty	-

Head of the Department: Dr. B G Prakash Kumar

Contact details: prakash@dubai.bits-pilani.ac.in

Number of PhD Scholars: NIL

Ph.D. Thesis Submitted during the year: NIL

A. Sponsored Research activities: NIL

B. Publications:

- Arshia Fathima, J. Alamelu Mangai & Bharat B. Gulyani "An ensemble method for predicting biochemical oxygen demand in river water using data mining techniques" International Journal of River Basin Management Published online: 17th Oct 2014

C. Conferences attended/papers presented:

1. Subramanian Seshadri C Aiyer, Ramachandran S, Thirumavalavan K and Prakash Kumar B G, "Solar Photo Catalytic degradation for Wastewater Treatment: a Review" International Conference on Green Technologies For Environmental Pollution Prevention And Pollution Control (ICGTEPC 2014) National Institute of Technology, Tiruchirappalli, India. 27 -29 September
2. Irshad Ahmed, Aswathy, Hydari Masuma, Prakash Kumar BG, Salma Sheriff, Ramachandran S, "Development Of Tubular Photobioreactor For Sustainable Production Of Microalgae" International Conference on " Biotechnology & Bioengineering" (ICBB-2014) Birla Institute of Technology & Science, Pilani Dubai Campus (U.A.E) 29-30 Oct 2014.

3. N.Subramanian, K.Saravanan, B G Prakash Kumar, "Hydrodynamic Aspects Of Circulating Fluidized Bed For Drying Of Food Materials" International Conference on "Biotechnology & Bioengineering" (ICBB-2014) Birla Institute of technology & Science, Pilani Dubai Campus (U.A.E) 29-30 Oct 2014.
4. B G Prakash Kumar acted as an organizing member for International conference on "Biotechnology Bioengineering" (ICBB--2014) during October 29-30, 2014.
5. B G Prakash Kumar is a team member for CAMPUS LIFE for mission 2014-16, BITS Pilani, Dubai Campus, Growth Plan.
6. B G Prakash Kumar participated in Inter Disciplinary Research workshop on 14th and 15th November 2014 in BITS Pilani, Goa Campus, India.
7. B G Prakash Kumar attended the meeting "Success Through Synergy in Academia & Industry" conducted Royal Society of Chemistry (RSC) Dubal (Dubai Aluminium Co, Jebel Ali) on 24th October 2014.

D. Books Published/Edited during the year: NIL

E. Conferences, seminars & workshops conducted:

Organized one day workshop on "Modeling In Chemical Engineering Using Comsol" by Mr. Ahmed Gamal, Elnady Engineering and Agencies, Egypt, on 18th Sept, 2014.

F. Invited Talks given by BITS faculty: NIL

G. Invited talks arranged in the department:

1. 'Career Planning for Job Opportunities' Interactive Career Talk by Dr. S. V. Dharwadkar, Jawaharlal Nehru Engineering College (JNEC), 23rd April'14.
2. 'Research Domains: Solid State, Structural Chemistry' Interactive Session by Dr. Pance Naumov, New York University Abu Dhabi (NYUAD), Physical Chemistry & Photochemistry, 22nd April'14.
3. 'MSD's VISION 2020' Interactive Session by Amith Raman, Business Operations, Merck Sharpe & Dohme (MSD) Gulf, DHCC, 26th March, 2014
4. 'Importance of Risk Management and HSE in Chemical Industries' by Mr. Mohammed Awad, HSSE Advisor from Petrofac International Ltd., on 16th Oct, 2014
5. 'Multidisciplinary Approach To Create Innovation In Science And Engineering' by Prof Suresh K Bhargava, Deputy Pro Vice Chancellor (Int), College of Science, Engineering and Health, Director - Centre of Adv. Materials & Indus. Chemistry, School of App. Sciences, RMIT University, Melbourne, Australia, on 23th Nov, 2014

H. Awards and recognitions won by faculty and students:

B G Prakash Kumar acted as an international advisory committee member for International Conference on Green Technologies for Environmental Pollution Control and Prevention, 27-29 Sept 2014, National Institute of Technology Tiruchirapalli, India.

I. Faculty Development, International Collaboration & Industry Immersion: NIL

J. Significant new equipments/experimental facility added during the year:

The following equipments were procured for Chemical Engineering Department:

ASPEN ONE university software package, Shimadzu weighing balance, (AUW- 220D), 0.1 mg to 220 gm, Bench top pH meter (2 nos), Bench top conductivity meter, Infrared temperature measurement, Lux meter.

K. Departmental association/club activities:

1. Elections for the ChESA (Chemical Engineering Students Association) and AIChE (American Institute of Chemical Engineers) Student Chapter were held.
2. Chemical Engineering Department organized orientation for freshmen (1st year chemical engineering students) on September 2014.
3. AIChE Office Bearers had a video conference with their AIChE sister chapter stmembers from University of Utah, U.S.A.
4. Technofest events 'Formulate This!', 'The BIG Split' & 'Five Min Film' were held by ChESA during Technofest 2014 with the goal of spreading awareness of the diversity of Chemical Engineering.
5. A quiz competition called "Formulate" was held by ChESA during Technofest 2013 with the goal of spreading awareness of the diversity of Chemical Engineering.

6. An industrial visit to Barakat Fresh Juices, in Jebel Ali Industrial area on 20th November, in association with MEA. Students learned a lot from this one of a kind fresh food processing unit in the region.
7. For third year chemical engineering students arranged a visit to MASDAR Institute, Abudhabi on 20th Feb 2014.

B4.14.2 Department: Electrical & Electronics Engineering

Number of faculty members (as on 31st December 2014)

Senior Professors, Professors	02
Associate Professors	04
Assistant Professors	06
Lecturers	01
Visiting Faculty	-
Adjunct Professor	01

Head of the Department: Dr. Adhir Baran Chattopadhyay

Contact details: chattopadyay@dubai.bits-pilani.ac.in

Ph.D. Thesis Submitted during the year: NIL

Number of PhD Scholars: 08 (7 Full Time and 1 Off campus)

Ph.D. Proposal Submitted during the year: 01

A. Sponsored Research activities:

1. Ongoing projects: Nil
2. Projects sanctioned during the year: Nil
3. Projects completed this year: NIL

B. Publications:

- 1) A.B. Chattopadhyay and Sunil Thomas, 2014. Modeling and Simulation of Current Source Inverter Fed Synchronous Motor in Complex Frequency Domain Taking the Transition Zone From Induction Motor to Synchronous Motor Mode into Account. Research Journal of Applied Sciences, Engineering and Technology, 7(8): 1489-1499.
- 2) Adhir Baran Chattopadhyay , Sunil Thomas, Ali Akbar Eski and Ruchira Chatterjee, State Space Analysis of a Solar Power Array Taking a Higher Degree of Non-Linearity into Account, Journal of Mechanics of Continua and Mathematical Sciences , published by "Institute of Mechanics of Continua and Mathematical Sciences" J.Mech.Cont.&Math.Sci., Vol.-8, No.-2, January (2014), Pages 1291-131.
- 3) A.B. Chattopadhyay and Sunil Thomas, 2014: An insight into the time domain phenomenon during the transition zone from induction motor to synchronous motor mode for a Current Source Inverter fed synchronous motor drive system. Research Journal of Applied Sciences, Engineering and Technology (Accepted to be published).
- 4) Vilas H. Gaidhane, Y. V. Hote, V. Singh, "An efficient approach for face recognition," Pattern Recognition (Elsevier) vol. 47, no. 5, pp. 1869-1879, May-2014.
- 5) H. Gaidhane, Y. V. Hote, V. Singh, "A computationally efficient approach for template matching based image registration," Academy Proceedings in Engineering Sciences (Springer) vol. 39, no. 2, pp. 317-331, April 2014.
- 6) Kalaichelvi V. Ganesh Ram R.K. and Karthikeyan R, "Biomass Boiler Drum Water Level control system using Neural Networks" Applied Mechanics and Materials Transtech Publications., Switzerland, Vol.541-542, pp.1260-1265., 2014.

- 7) R.Karthikeyan, R.K.Ganesh Ram and V. Kalaichelvi., "Modeling and Control Techniques for Microstructure Development". Applied Mechanics and Materials Transtech Publications., Switzerland, Vol.541-542, pp.317-323., 2014.
- 8) MugdhaPolimera and Kalaichelvi V., "Stability and Robustness Analysis of a LASER Guided Missile System Using PID Controller" Applied Mechanics and Materials. Vol. 666., pp 208-212.,2014.
- 9) A.V.Ganesan, H.Kumar, S.Swaminathan, K.K.Singh, R.A.Joy, N.Sood, T.Gokhale, R.K.Mittal, "Analysis of MEMS-Based Microneedles for Blood Monitoring," *BioNanoScience*, Feb. 2014, pp. 1-8;doi: 10.1007/s12668-013-0122-5.
- 10) AthiraNath and Kalaichelvi V., "An Intelligent Technique for Image Compression", International Journal of Recent Development in Engineering and Technology. pp.1-6.,2014.
- 11) Yashaan Cooper.,GaneshRam.R.K.,Kalaichelvi V., Vishank Bhatia., "Stabilization and Control Of An Autonomous Quadcopter", Applied Mechanics and Materials., Vol. 666 pp 161-165.,2014.
- 12) MugdhaPolimera and Kalaichelvi V., "Stability and Robustness Analysis of a LASER Guided Missile System Using PID Controller" Applied Mechanics and Materials. Vol. 666.,pp 208-212.,2014.

C. Conferences attended/papers presented:

- 1) Jyotika Singh & T.G. Thomas, "Alternative phase detectors for clock recovery at the receiver", International Conference on Future Computing and Communication Systems (ICFCCS 2014), Dubai, May 10-11, 2014.
- 2) Seba Sara Varghese, Kiran Menon, Sreeshya Damodar, K.K.Singh, Neeru ,Sood, *Sundaram Swaminathan*, "Graphene: A Promising Platform for bio-sensing applications", *4th Annual International Conference on Advances in Biotechnology* (BIOTECH-2014), March 2014, Dubai
- 3) Yashaan Cooper.,GaneshRam.R.K.,Kalaichelvi V., Vishank Bhatia., "Stabilization and Control Of An Autonomous Quadcopter", The 3rd International Conference on Electronics,Mchatronics and Automation.,ICEMA2014.,August22-23., Dubai,UAE
- 4) Akshan Paresh Mehta.,Ganesh Ram R K ., Kalaichelvi V.,and Karthikeyan R., " Neural Predictive Controller For Hydraulic Power Transmission in Wind Turbine " .,ASME 2014 Gas India Turbine Conference to be held on Dec 15 –Dec 17 (Accepted for Presentation)
- 5) Ganesh Ram R K., Akshan Paresh Mehta.,Karthikeyan R., KalaichelviV., " Design Optimization Of Wind Turbine Using Fluid Structural Interaction Analysis & Genetic Algorithm", ASME 2014 Gas India Turbine Conference to be held on Dec 15-Dec 17 (Accepted For Presentation)
- 6) P. Gupta and Vilas H. Gaidhane, "A New Approach for Flame Image Edges Detection" in Proc. IEEE Int. Conf. on Recent Advances and Innovation in Engineering (ICRAIE 2014), Jaipur, India, May 9-11-2014.
- 7) Shyam Sumukh S R, Raghav Gupta, Jagadish Nayak, "A Comparative Analysis in Hardware Partitioning of a Steganographic based LSB-substitution Algorithm" Proceedings of the World Congress on Engineering and Computer Science 2014 Vol I ,pp:50-52, WCECS 2014, 22-24 October, 2014, San Francisco, USA
- 8) R. Gomathi Bhavani and Maya Mohan, "Awareness on Lighting Energy Saving and User Satisfaction in Residential and Office Buildings," International Conference on Biological, Civil and Environmental Engineering BCEE-2014, March 17-18, 2014, Dubai, UAE.
- 9) R Swarnalatha and Dr D V Prasad Detection of Sleep Bruxism based on EEG Hilbert Huang Transform International Conference on Biomedical Engineering and Technology accepted for presentation to be held on 10-11 March, 2015 *Seoul, South Korea*.
- 10) Neenu Sivanand, Mary Lourde R "MEMS based Electrochemical Sensor for Detection of biomolecules",International conference on Recent Advances in Nanoscience and Nanotechnology-2014, New Delhi, 15-16 Dec. 2014.
- 11) Harish S. Nair, Anand Kumar, Osman Ahmed, Neural Network Modeling, Simulation and Prediction of Innovation Growth in United Arab Emirates (UAE)", Complex Adaptive Systems 2014,Philadelphia, PA, USA, November 3-5, 2014.
- 12) Rajarshi Sinha, Angad Oberoi, Harsh Tungala, Anand Kumar,Dynamically Adjusting Network Architecture for Congestion Optimization in Terminal Airspace",33rd Digital Avionics Systems Conference,Colorado Springs, CO, USA, 5-9 Oct, 2014.
- 13) Rajarshi Sinha, Angad Oberoi, Harsh Tungala, Rohan Kapur, Anand Kumar,An Optimized Piezoresistive Microcantilever Arsenic(III) Sensor with CMOS-Compatible Active Readout: Towards In-Situ Subsurface Characterization Using Microsystems Technology",14th IEEE International Conference on Nanotechnology (IEEE-NANO2014),Toronto, ON, Canada, August 18-21, 2014.

- 14) Priya B. Parappat, Anand Kumar, R.K. Mittal, Suhel A. Khan, "OBSTACLE AVOIDANCE BY UNMANNED AERIAL VEHICLES USING IMAGE RECOGNITION TECHNIQUES", 18th International Conference on Circuits, Systems, Communications and Computers, Santorini Island, Greece, July 17-21, 2014
- 15) Tejas Vithani and Anand Kumar, "A Comprehensive Mobile Application Development and Testing Lifecycle, IT Professional Conference", NIST, Maryland, May 22, 2014
- 16) Tejas Vithani and Anand Kumar, "Modeling the Mobile Application Development Lifecycle", International MultiConference of Engineers and Computer Scientists 2014, IMECS 2014, Hong Kong, March 12-14, 2014
- 17) Mugdha Polimera and Kalaichelvi V., "Stability and Robustness Analysis of a LASER Guided Missile System Using PID Controller", The 3rd International Conference on Electronics, Mechatronics and Automation, ICEMA 2014 Dubai, UAE, August 22-23
- 18) R.K. Ganesh Ram., V. Kalaichelvi., Lenvin Dsouza and R. Karthikeyan, "Fuzzy Logic approach for Temperature Control in BioReactor", Proceedings of 4th Annual International conference on Advances in Biotechnology, pp.12-17., 2014
- 19) Athira Nath and Kalaichelvi V., "An Intelligent Technique for Image Compression", International Research Conference on Engineering Science and Manufacturing, Dubai, UAE, June 4-5th 2014
- 20) Srinivasan S V, Dr. Abdul Razak. "Physical Design of IC Chip for FFT using Vedic Mathematics", International Symposium on Fundamentals of Electrical Engineering (ISFEE 2014), IEEE Xplore (Cat. No.: CFP1493Y-ART ISBN: 978-1-4799-6821-3), University POLITEHNICA of Bucharest, Romania, November 28-29, 2014
- 21) Srinivasan S V, Dr. Abdul Razak. "Chip-Level Physical Implementation of MPPT algorithm for PV Panel", International Conference on Advances in Design and Manufacturing (ICAD&M 2014), The International Journal of Advanced Manufacturing Technology, Springer's, National Institute of Technology, Trichy, India, December 5 - 6, 2014.
- 22) Srinivasan S V. "Programmable logic controller implementation of maximum power point tracking in solar PV panel", International Conference on Applied Science, Management and Technology 2014 (39 - 43), United Arab Emirates, Dubai, December 5th - 6th, 2014.

D. Books Published/Edited during the year: NIL

E. Conferences, seminars & workshops conducted:

- 1) The Association of Electronics Engineers (AOEE) in collaboration with American Society of Mechanical Engineers (ASME) had conducted an "Autonomous Robotics Workshop" in Bits Pilani Dubai Campus on 20-22nd November. The workshop was eligible for students of all years and it also encouraged students from different colleges like Herriot Watt, Manipal etc. There were a total of 108 participants. The instructor was Mr. Vaibhav Agarwal from IIT Bombay under whose guidance the 3-day workshop was conducted successfully
- 2) EEE department in association with AMSA renal care, Dubai has organized a one day workshop on "Biomedical Instrumentation and Applications. The workshop is conducted on 11th December 2014, Thursday from 08:30AM to 06:30 AM. The afternoon session of the workshop is done in AMSA renal care for hands on experience in Bio Medical instruments

F. Invited Talks given by faculty: NIL

- 1) Dr Swaminathan, Professor was a Keynote Speaker and Guest of Honour at the International Conference on Emerging Trends in Instrumentation, Communication, Electrical & Electronics Engineering (ICE-ICEE, 2014), Indore, India, 23 - 25 Jan 2014. *Title of keynote Speech: "From Micro to Nano sensing for Applications in Engineering and Medicine"*,

G. Invited talks / technical visits arranged by the department:

- 1) Talk on "Some Aspects Of Power Distribution System Automation Technologies" by Distinguished BITS ALUMNUS AWARDEE Prof. Anil Pahwa Electrical and Computer Engineering Department College of Engineering Kansas State University, USA Date: 06th September 2014, Saturday Time : 9.30 am -10.15 am Venue : G 34
- 2) Talk on Indian Space Programme on Satellite Remote Sensing by BITS ALUMNI Mr D.S. Jain Former Dy Director and Project Director, NRSC Indian Space Research Organisation (ISRO), Hyderabad, India Date: 10th September 2014, Saturday Time : 9.15 am -10.10 am Venue : G 04

H. Awards and recognitions won by faculty and students

- 1) Seba Sara Varghese, a full time PhD student under the supervision of Dr S Swaminathan and Dr K K Singh, has been allowed by Petroleum Institute, Abu Dhabi, to carry out experimental work for her research as a visiting researcher during the semester I 2014-15
- 2) Rangapiya and Shruthi two students are doing their UG thesis in Hengen Ingenieurbuero GbR , Germany , they are working on the projects such as "Three dimensional image reconstruction using a DLP projector in conjunction with industrial camera" and Field theoretic practical analysis of PCB structures used in high data rate interface. They are getting a stipend of 500EUROS.
- 3) The collaboration with iGenus in developing the Android mobile application is drawing to a close. Papers (1), (5) and (6) in section VI is a direct and indirect outcome of the collaboration with iGenus, USA. The mobile application is close to completion
- 4) Director of BPDC received a request to submit research funding proposals from Joint Director of Ministry of Communication and IT, New Delhi. Dr Anand Kumar along with Dr Vijayakumar, Dr Jagadish Nayak and Dr Sundaresan Raman (Pilani Campus) submitted a proposal to DeITy entitled "Video Processing and Coding Requirements for IETF WebRTC" for a budgeted USD 86, 945 over a 3 year period. The proposal is currently being reviewed
- 5) Discussions and preparations underway with faculty in another BITS Pilani Campus to prepare an initial IDR proposal for submission to Center of Excellence in Water, Waste and Energy Management by 15 Dec 2014. This is a follow up to the IDR at Goa in Nov 2014.
- 6) Smart City Collaboration: Paper (4) in section VI might lead to collaboration with industry. A meeting of Smart City representatives (Dr Bajju, Mr Thomas and Mr Shadi Khoja) and BITS Pilani faculty and HoDs was held on 21 Oct 2014. Discussions are underway to initiate collaboration with SmartCity (TECOM subsidiary) in the following areas:
 - i. Conducting a Competition on Innovative ideas with engineering students of India, UAE and Malta followed by a grand finale.
 - ii. Ideas on what should be covered under SMART CITY
 - iii. Conference on SMART CITY
 - iv. Joining and supporting Smart City for Madhya Pradesh Project
 - v. Deciding some areas of Research and Development
 - vi. Creation of Smart Lab at BITS Pilani Dubai Campus
 - vii. Signing an MoU
 - viii. A team of BITS Pilani, Dubai Campus has been constituted to take forward the next steps: Dr Anand Kumar (Convener), Dr Jagadish Nayak, Dr Santhosh Kumar and Dr Trupti Gokhale. Planning and Website design has been done by some students for the competition. Implementation will be done by a professional organization. A draft MOU has been prepared by Director and sent to Dr Bajju
- 7) Subsequent to Prof Suresh Bhargava's visit to Dubai Campus and interaction with Dr Anand Kumar and his PhD scholar, Devisree, a proposal is being prepared to submit for the Endeavor fellowship from the Australian government for the scholar to potentially spend 6 months at RMIT working with electrochemistry experts in Prof Bhargava's research team.
- 8) A preliminary chat with the E Operations Manager at BPDC PS station MSD (Merck) indicated an interest to extend collaboration in Practice School to research and consultancy. An appointment has been scheduled for 14 Dec 2014 with Dr Anand Kumar, Dr Trupti Gokhale and Dr Santhosh Kumar to meet Mr Amith Raman and his manager for brainstorming. Ideas have also been elicited from Dr Srinivas (HoD, Management) as inputs to this brainstorming session.
- 9) Two final year students along with Dr Anand Kumar (EEE) and Dr Ramachandran (Biotech) submitted an idea for funding to Al Bayt Mitwahid pertaining to the cultivation of Quinoa in Sharjah and UAE. The website indicated a maximum of AED 250,000. Response is awaited.
- 10) BITS Pilani, Dubai Campus was invited to nominate a panelist in the ICT Panel Discussion "Are we ready to shift Dubai into a "Smart City?" Dr Anand Kumar has been asked to represent BITS Pilani, Dubai Campus in these discussions. The other panelists in this session are Ms Lisa (IBM), Dr Hussain, Middlesex University, and Mr Hemal, Oracle
- 11) OOEHS has invited BITS Pilani, Dubai Campus, Manipal (MAHE) and Amity University faculty to make a 5 minute presentation followed by a panel discussion and a Q&A session for high school students. Dr Anand Kumar will be representing BITS Pilani, Dubai Campus. Dr Shukla and Dr Chandra from Amity and Dr More from Manipal will join this session

I. Faculty Development, International Collaboration & Industry Immersion

- 1) Dr Kalaichelvi, Faculty In-charge for Mobile Autonomous Robotics Workshop organized by ASME and AOEE from Nov 20th to Nov 22nd 2014. Editorial Board Member for the Journal of Instrumentation Technology and Innovations, Technical Program Committee Member for International Conference on Applied Science, Management and Technology 2014 (ICASMT 2014) from Dec 4th to Dec 5th 2014. , International Review Committee Member for IEEE International Conference on Electrical Computer and Communication Technologies to be held on 05-07 March 2015, Coimbatore.
- 2) Dr Vilas Gaidhane ,Worked as Member of Technical Committee for IEEE Int. Conf. on Recent Advances and Innovation in Engineering (ICRAIE May 2014), Member of technical program committee for IACACNI - Aug 2014, Working as a Reviewer of Journal, "Expert System with Applications (Elsevier)", Working as a Reviewer of Journal, "Pattern Recognition (Elsevier)", Working as a Reviewer of Journal, "International Journal of Electrical Power and Energy System (Elsevier)", Working as a Reviewer of Journal, "Image, Video and Signal Processing (Springer), Working as a Reviewer of Journal, "Computer Vision (IEE), Working as a Reviewer of Journal, "IETE Technical Review"
- 3) Dr. R Gomathi Bhavani, reviewed one research paper for IEEE Transactions on Systems, Man, and Cybernetics--Part A: Systems and Humans, in February 2014.
- 4) Dr Jagadish Nayak is reviewer for International Journals such as Journal of Medical Systems (springer) and Journal of Medical Engineering and Technology (Taylor and Francis)

J. Significant new equipments/experimental facility added during the year:

- 1) Xilinx Kits
- 2) DSP Kits
- 3) VASP Ab-Initio software for modeling materials
- 4) Power Electronics equipments

K. Departmental association/club activities:

- 1) IFOR team members have exhibited their Unmanned Aerial Systems at the RTEX exhibition in the month of September, 2014. The faculty incharge Dr.V.Kalaichelvi has accompanied IFOR team members during RTEX exhibition
- 2) On Tuesday 14th October 2014 NovaTech Labs invited IFOR team members to the conference "Smart Drones for Smart Cities" held in Waldorf Astonia, Palm Jumeirah, Dubai. The conference featured World renowned Drone Technologist Samy Kamkar best known for creating Skyjack a custom drone which hacks into nearby Parrot drones allowing them to be controlled by the Skyjack Controller.
- 3) Mr.Kamkar visited the campus to see the IFOR laboratory and team's work and progress in the field of autonomous drones on 19th October 2014.
- 4) Following are the IEEE student chapter activities
 - i. IEEE WETEX 2014, UAE volunteering, 14-16 April 2014
 - ii. IEEE Talk on Nanotechnology and Nanomedicine, March 2014
 - iii. Participation in IEEE UAE Day, 10 May 2014.
 - iv. Participation in 5th Engineering Student Renewable Energy Competition at UAEU (ESREC'2014), 3 May 2014.
 - v. Participation in IEEE XTreme Programming 8.0 (18 October 2014)
 - vi. Participation in IEEE Student Paper Contest (internal competition and submission to IEEE R8: 15 Dec 2014). The R8 level selection will take place during 2015.
 - vii. IQuest - a technical quizzing competition
 - viii. Career Prospects session by students for freshmen
 - ix. Talk by Adarsh Venkataraman on procedures for securing off campus thesis
 - x. Invited talk by Princeton Review, UAE on preparation for GRE and GMAT and future career options
 - xi. Some of EEE department students and faculty participated in ESREC 2014. Their projects pertained to interdisciplinary areas like MEMS. Details of this competition and winners will perhaps be in ASME report from Mechanical Engineering department.
 - xii. Students and faculty of EEE department participated as competitors and judges in this prestigious annual event of IEEE UAE Section.

- xiii. For the forthcoming Student Day in 2015, the project proposed by BITS Pilani, Dubai Campus is entitled "Emergency Healthcare Response System" was selected out of multiple proposals. BITS Pilani, Dubai Campus and Ajman University of Science and Technology have jointly defined the specifications for this Software Engineering Project (SEP); SEP is one of three types of projects that students from universities around the UAE participate in. CS faculty and student were involved in proposing and specifying the project.
- xiv. 19 teams and 57 students were registered for this 24 hour event. This was the highest registration numbers in many years. 18 teams of three members each were ranked. In all 1720 teams of 3 student members each were ranked globally. The 18 teams took all but two places in the top 10 rankings in UAE and were all in the top 28 in UAE. The team AmAyRi was placed 1st within the 18 teams from BPDC, 2nd nationally, 138th in Region 8 and 323rd globally. In all 3 teams from BPDC were placed in the top 500 globally and 7 were in the top 1000 globally.

B4.14.3 Department: Mechanical

Number of faculty members (as on 31st December 2014)

Senior Professors, Professors	01
Associate Professors	04
Assistant Professors	02
Lecturers	-
Visiting Faculty	-

Head of the Department: Dr.R.Karthikeyan

Contact details: rkarthikeyan@dubai.bits-pilani.ac.in

Number of PhD Scholars: 03

Ph.D. Thesis Submitted during the year: NIL

A. Sponsored Research activities:

Total number of Sponsored Projects in the department: 01

- (i) Ongoing projects: NIL
- (ii) Projects sanctioned during the year: NIL
- (iii) Projects completed this year: 01

Redesigning of cable pulling winch for Elfit Arabia, Ajman, UAE

Project cost: AED 30,000/-

B. Publications:

- C.Senthilkumar G.Ganesan R.Karthikeyan, "Influence of Input Parameters on Characteristics of Electro Chemical Machining Process.", International Journal of Applied Science and Engineering, Volume 211 , Number 1, Nov 2013, pp. 13-24. 2013.
- C.Senthilkumar G.Ganesan R.Karthikeyan, "Optimisation of ECM parameters using RSM and non-dominated sorting genetic algorithm (NSGA II).", International Journal Machining and Machinability of Materials , Volume 14, No. 1, pp 77-90., Number 1, Mar 2013, pp. 77-90. 2013.
- Raju S, Karthikeyan R, Ganesan G., "Sensitivity Analysis and Statistical Process Optimization of Deep Drawing of AA 6061 Sheet Material.", Materials Science and Technology, Volume 29, Number 5, Dec 2013, pp. 573-580. 2013
- Kalaichelvi V. Ganesh Ram R.K.and Karthikeyan R, "Biomass Boiler Drum Water Level control system using Neural Networks, Applied Mechanics and Materials., Vol.541-542.,pp.1260-1265.,2014.
- R.Karthikeyan, R.K.Ganesh Ram and V.Kalaichelvi., "Modeling and Control Techniques for Microstructure Development" . Applied Mechanics and Materials, Vol.541-542, pp.317-323.,2014.
- Ganesh Ram R K, Yashaan Nari Cooper, R.Karthikeyan and C.Periasamy, Vishank Bhatia, Design Optimization and Analysis of NACA 0012 Airfoil using Computational fluid dynamics and Genetic algorithm, Applied Mechanics and Materials Vol. 664 (2014) pp 111-116

7. Vishank Bhatia, R.Karthikeyan, R.K.Ganesh Ram, and Yashaan Nari Cooper, Design Optimisation and Analysis of a Quadrotor Arm using Finite Element Method, Applied Mechanics and Materials Vol. 664 (2014) pp 371-375
8. A.M. Surendra Kumar, & Ahamed Hassan " Wartsila UAE - A Lean Analysis " Wartsila Technical Journal , Finland , October 2014 , pp3-6
9. C.Periasamy and Gowtham Ravi, " Design of Biogas plant from Industrial Waste ",International Journal of Environmental Pollution and Remediation, 2014 (accepted for publication)
10. R.Udayakumar and Ariz Ahmad "Analysis of Combustion Chambers in Internal Combustion Engine " Global Science and Technology Journal, Australia , Vol. 2 No.1 March 2014. Pp. 12-21

C. Conferences attended/papers presented:

1. R.K.Ganesh Ram., Lenvin Dsouza., V.Kalaichelvi and R.Karthikeyan., "Fuzzy Logic approach for Temperature Control in BioReactor"., Proceedings of 4th Annual International conference on Advances in Biotechnology.,BITS Pilani,Dubai Campus.,10th & 11th March pp.12-17.,2014.
2. Kalaichelvi V. Ganesh Ram R.K.and R Karthikeyan, "Biomass Boiler Drum Water Level control system using Neural Networks" .,ICMMA 2014,Singapore ,March 2014.
3. R.Karthikeyan,R.K.Ganesh Ram and V.Kalaichelvi., "Modeling and Control Techniques for Microstructure Development" . ICMMA 2014,Singapore.,March 2014.
4. A.R.Gowtham Ram and C.Periasamy "Design of a Bio-Mass Plant Using Agro-Industrial Waste Based Power Project" 3rd Annual Research Conference, Abu Dhabi University , UAE, April 23-24 2014
5. Menon Shweta Ramesh and C.Periasamy, "Fluid Circulation and Heat Transfer Analysis in Cryogenic Engine Storage Tank" , Proceedings of the International Conference on Heat Transfer and Fluid Flow Prague, Czech Republic, August 11-12, 2014
6. A.R.Gowtham Ram and C.Periasamy , " Design of a Biomass Plant Using Agro - Industrial Waste", Proceedings of the International Conference on Heat Transfer and Fluid Flow Prague, Czech Republic, August 11-12, 2014
7. Zuhair Ahamed and C.Periasamy," Experimental analysis on the construction of effective VAWT system", Proceedings of the International Conference on Heat Transfer and Fluid Flow Prague, Czech Republic, August 11-12, 2014
8. Zuhair Ahamed and C.Periasamy , "Analysis of Savonius Rotor's for Drag Reducing System" National Conference on Emerging Technology (NCET 2013),UAE
9. Zuhair Ahamed and C.Periasamy, "Simulation of the Construction Of An Effective VAWT System", UAE Undergraduate Student Research Competition, Abu Dhabi University , 2014
10. A.M. Surendra Kumar, & Parvathy Sathyaprakasan "Impact of Volume Fraction and Particle Size on Thermal Properties of Nano-fluids" International Conference on Heat Transfer and Fluid Flow (HTFF'14), August 11-12, 2014 in Prague, Czech Republic.
11. R.Udayakumar, Aneesh BabuRaj and P.Ramesh "Design and development of Heat recovery steam generation system for Automotive engines",Accepted SAE Congress 2015,Paper No. 15PFL-1008
12. R.Udayakumar, Rithwick Parthasarathy "Optimization of an Automobile component using CAD",Accepted SAE Congress 2015,Paper No. 15M-0267
13. R.Udayakumar, Anshul Singhal and Miller Jothi "FRP Mold and panel manufacturing for FSAE body panel and driver seat.",Accepted SAE Congress 2015,Paper No.15M-0272
14. Anomitra Banerjee, N.K.Millerjothi, "Site Remediation Techniques In India: A Review, Proceedings of the 15th International Conference on Environmental Remediation and Radioactive Waste Management, September 8-12, 2013, Brussels, Belgium,ICEM2013, Volume:2, Paper No. ICEM2013-96215, pp. V002T04A012; 5 pages, ISBN: 978-0-7918-5602-4
15. Anomitra Banerjee, N.K.Millerjothi, " Groundwater Remediation Through Nanoscale Iron Particles, (Poster) Proceedings of the 15th International Conference on Environmental Remediation and Radioactive Waste Management" September 8-12, 2013, Brussels, Belgium,ICEM2013
16. Akshay Sharma, N.K.Millerjothi, Kavita jerath, S.Karthiyayini "Forecast analysis of the potential and availability of renewable energy in Gulf countries' Accepted on International conference on substantial environmental technologies' Dubai UAE, Aug 22-23, 2014.
17. Akshay Sharma, N.K.Millerjothi, Kavita jerath, S.Karthiyayini "Forecast analysis of the potential and availability of renewable energy in Gulf countries' to be published on International Journal of Environmental Science and Development (IJESD).

18. U. Gangadhara Surya, N. K. Millerjothi, C. Mallika Parveen 'Utilisation of biodiesel extracted from Madhuca Indica oil as a renewable fuel in direct injection diesel engine' Submitted to International Journal of Energy, Elsevier on 08.07.14
19. U. Gangadhara Surya, N. K. Millerjothi, C. Mallika Parveen ' Experimental studies on biodiesel extracted from Madhuca Indica oil as a renewable fuel in direct injection diesel engine' International conference on "Biotechnology and Bioengineering"(ICBB--2014), 29-30 October 2014, Dubai, UAE
20. Abhilash Saksena, Khyatijain, C. Mallika Parveen and N. K. Millerjothi,' Heuristic Approach for CFD Analysis Around Birds of Prey' Proceedings of SAE International. Paper No.2014-01-2102, Year 2014

D. Books Published/Edited during the year: NIL

E. Conferences, seminars & workshops conducted: NIL

F. Invited Talks given by BITS faculty: NIL

G. Invited talks arranged in the department:

1. Mr.S.Nadig, IISc, Bangalore, August 2014, Cryogenic Engineering
2. Dr. Omar Ait Salem, MSC ADAMS, November 2014, Multi body dynamics

H. Awards & Recognitions Won By Faculty & Students

1. Anomitra Banerjee (II year Mech) won the first prize in Old Guard Oral Presentation Competition (OGOPC) in the ASME SPDC DISTRICT J FINALS-2014, Hosted By American University Of Beirut, Lebanon
2. AkashHathiramani (II YrMech), PuneetKhirwar. (II YrMech), Pranav Mohan (II YrMech), AnimeshBhasin (II year) won the first prize in Student Design Competition (SDC) in the ASME SPDC DISTRICT J FINALS-2014, Hosted By American University Of Beirut, Lebanon
3. Anomitra Banerjee, a mechanical engineering student from ASME BITS Pilani, Dubai Campus Student Section, UAE represented District J in the finals of Old Guard Oral Presentation Competition at The International Mechanical Engineering Congress and Exposition 2014 (Montreal, Canada).
4. AkashHathiramani (III YrMech), Puneet Khirwar. (III YrMech), Pranav Mohan (III YrMech), AnimeshBhasin (III year) and participated in the finals at IMECE 2014 (Montreal, Canada).
5. The winners of MECHATHLON organized by ASME in ENGIUITY 2014 are:
 - i. Mohammed Zulfikar, OmkarBhandakkar, Satya Kumar BabuGopi- 2nd Year
 - ii. Syed Zeeshan Ahmed, Nishant Vijay, YashPratap Singh- 2nd Year
 - iii. Nabanita De, Ayush Gulati-1st Year, Yash Kalia-2nd Year
6. Menon Shweta Ramesh and C.Periasamy, presented a paper on "Harnessing electricity from Waste Sound", 5thEngineering Students Renewable Energy Competition 2014, May3, 2014 , Al Ain, UAE
7. Jaina Shah & Mont Kithari under the mentorship of Dr.Udayakumar presented a paper "Active suspension system for accident free handling" at ,United Arab Emirates Undergraduate Student Research Competition held at Abudhabi University.2014
8. Mohammed Atyab & Rithwick parthasarathy under the mentorship of Dr.Udayakumar presented a paper " Commercial use of mechanical fasteners using rapid prototype technology and its limitations" at ,United Arab Emirates Undergraduate Student Research Competition held at Abudhabi University,2014
9. Tessa Ann John, Vidya Janarshan and Pranav Menon under the supervision of R.Udayakumar have won the prestigious , Best idea price at Emirates Student Renewable Energy Competition conducted by the ,UAE University in which around twenty top universities take part in the year 2014 . The title of the project is "Development of a solar mobile charger from the sunshade of the passenger cars and a novel way of utilising heat in the engine exhaust"
10. R.Udayakumar reviewed papers for the Proceedings of the National Academy of Sciences, Physical Sciences, NASA, and Springer Journal.

I. Faculty Development, International Collaboration & Industry Immersion: NIL

J. Significant new equipments/experimental facility added during the year:

The following were installed and commissioned in the Mechanical Laboratories during 2014.

Wind tunnel, Exhaust gas analyzer, Impact strength tester, Image analyzer, Up- gradation of ANSYS, & CATIA licenses

K. Departmental association/club activities:

- (i) ASME Student Chapter (Faculty advisers: Dr.MVN.Sankaram & Dr.C.Mallikaparveen)

Workshop organized: MOBILE AUTONOMOUS ROBOTICS WORKSHOP (20-22 NOVEMBER 2014) conducted by the Robotech Labs, India. The workshop was certified by RCSA Canada and Techfest, IIT-Bombay, India. Mr. Vaibhav Aggarwal, Founder of Robotech Labs, hosted the workshop, which was conducted during November 20th- 22nd, 2014.

Field Trip: MASDAR City - ASME BPDC in association with Social and Environmental Club, -BPDC organised an educational trip to Masdar City, which is also the world's largest sustainable city.

Event: Mecathlon was the ASME event for Enginuity'14. The event heads were AnanthPrem and Avishek Goel.

Competition: Team black hawks will be participating in an ASME competition: Human Powered Vehicle Challenge with support from the ASME BPDC Student Section. HPVC provides an opportunity for students to demonstrate the application of sound engineering design principles in the development of Sustainable transportation alternatives.

- (ii) ASHRAE Student Chapter (Faculty adviser: Dr.R.Udayakumar)

The students conducted an event during Enginuity 2014. Currently one batch of students under the mentorship of Dr.Udayakumar are taking part in an international student design competition conducted by the ASHRAE head quarters.

- (iii) SAE Student Chapter (Faculty adviser: Dr. N.K.Millerjothi)

Participated in FSAE 2014.

Team Name: Gear Shifters (1st FSAE from the history of UAE)

Team Captain: Anshul Singhal Venue: Michigan International Speedway, USA

Date: 14th – 17th May 2014

- (iv) Mechanical Engineering Association Adviser: (Faculty adviser: Dr.C.Mallikaparveen)

1. Industrial visits arranged: DEWA, Microsol & Barakat Juice factory

2. Workshops organized: 4STROKE, SKYCRAFT, CFD & MOTORSPORT

B4.12.4. Department: Computer Science

Number of faculty members (as on 31st December 2014)

Professors	01
Associate Professors	01
Assistant Professors	03
Senior Lecturers	04
Lecturer	01

Head of the Department: Dr. B. Vijayakumar

Contact details: vijay@dubai.bits-pilani.ac.in

Number of Ph.D. Scholars: 10 (8 on-campus; 2 Part-Time)

Ph.D. Thesis Submitted during the last one year: 02

A. Sponsored Research activities:

Total number of Sponsored Projects in the department: *NIL*

B. Publications:

- 1) J. Alamelu Mangai, V Santhosh Kumar and Balamurugan, S. —A Novel Approach for Effective Web Page Classification, Intl J of Data Mining, Modeling and Management, Inderscience Publishers, Vol.5, No. 3, pp. 233-245, 2013.

C. Conferences attended/papers presented:

- 1) Satej Wagle, J. Alamelu Mangai and Santhosh Kumar V, "An Improved Medical Image Classification Model using Data Mining Techniques", Proc. of 7th IEEE GCC Conference and Exhibition, Qatar, Nov 17-20, 2013, pp.114-118.
- 2) Susanna S Henry & V. Santhoshkumar, "On Reachability Analysis in MIPv4-MIPv6 coexistence phase", 2013 International Conference on Current Trends in Information Technology, held between 11-12 December, 2013, HCT, Dubai.
- 3) Milu Mary Philip, B, Vijayakumar, Software Architectural Design for Image Retrieval System involving Data Streams and User Interactivity, The World Congress on Engineering and Computer Science 2014, San Francisco, USA, 22-24 October, 2014, IAENG Conference Proceedings.
- 4) Yashasvi Vedula, Student Member, IEEE, B. Vijayakumar, Leveraging Smartphone Technology to Enhance Emergency Response Services, International Conference on Telecommunications and Computing, TELFOR, Serbia, Nov. 2014.

D. Books Published/Edited during the year:

Book chapters :

- 1) J. Alamelu Mangai, V Santhosh Kumar and Ramesh, K, Web Page Classification using MDAWKNN," in Encyclopedia of Business Analytics and Optimization, John Wang, Pennsylvania, IGI Global Publishers, pp.2685-2695, 2014.
- 2) Anand Kumar, Vijayakumar & R K Mittal, "Research Topics in Cloud Computing", in Encyclopedia of Cloud Computing, Wiley Publishers, Nov. 2014.

E. Conferences, seminars & workshops conducted:

The International Conference on Secure Knowledge Management in Big-Data era (SKM 2014) was held at BITS Pilani, Dubai Campus on 8th and 9th December, 2014. It was organized by University at Buffalo, New York, Birla Institute of Technology & Science, Pilani, and Abu Dhabi Polytechnic, Abu Dhabi. The conference on Secure Knowledge Management brought together researchers and practitioners from academia, industry and government to raise the awareness and share recent advances in knowledge management. The conference also provided a venue to discuss and develop the next set of challenges in knowledge management that needs to be tackled by the community. The research papers submitted were put through an intensive blind review process and out of 19 papers only 8 papers were selected for presentation on the basis of reviews and comments. Each paper was reviewed by three Program Committee members.

Prof. B.N. Jain, Vice Chancellor, BITS Pilani has been the chief guest of SKM 2014. Prof. Jain along with Prof. R.N. Saha, Director, BPDC, Prof. Raghurama, Director, BITS Pilani, Prof. Hota, BITS Pilani Hyderabad Campus and Prof. Nasir Memon, New York university inaugurated the conference with the lighting of the lamp. The inaugural address was delivered by Prof. B.N. Jain and Prof. R.N. Saha delivered the welcome address of the conference. Prof. Raghurama shared his thoughts about the impact of secured exchange of knowledge among academic institutions.

Dr. Marc Dacier Principal Scientist in Cybersecurity, Qatar Computing Research Institute (QCRI), has delivered a keynote address on "BGP Hijack : myth or reality". Dr. Dacier explained what a BGP hijack is, why it can be a very serious and real threat and, to what extent we believe these attacks exist in the wild or not.

Prof. Divyakant Agrawal, California university delivered a keynote address on "Database, Scalability, Elasticity and Autonomy in the Cloud". Prof. Agrawal discussed about the recent advances that have been made to strike a middle-ground between the two radically different data management architectures: traditional database management systems where the data is treated as a "whole" versus modern key-value stores where data is treated as a collection of independent "granules". He also highlighted the data security and privacy challenges in the context of the cloud.

The conference witnessed numerous invited talks from international speakers from New York University at Abu Dhabi on topics like mobile security and privacy challenges, the role of phone numbers in understanding cyber-crime schemes, better privacy protection offered by Android or iOS, design of human centered systems, privacy preserving computation, exact mining from inexact and hidden data, and telephone honeypots. Dr. Rahul Banerjee, BITS Pilani gave a talk on "Body Area Networks".

Delegates from USA including Shambhu J. Upadhyaya state university of New York at Buffalo, India and UAE presented their papers during the conference on various subjects such as secure data processing for active authentication, diffusion of rumors and anti-rumors in social networks, framework for surviving advanced persistent threats in distributed environments, road traffic surveillance system using Blob tracking, seam-carving, multistage attacks embedded in a video file analysis of healthcare systems and location-based intelligent social networking. Various committees were involved in making SKM 2014 a huge success.

The 2-day conference concluded with Prof. R.N. Saha distributing the awards for the best paper presentation and best poster. Yan Sun and Dr. Shambhu Upadhyaya, University at Buffalo, New York has won the best paper award for the SKM 2014 conference. The best poster presentation has been won by a team guided by Mr. Nandukumar.

Prof. Chittaranjan Hota and Prof. Jamal Nazzal Al-Karaki acted as the Program Committee Chairs. Prof. S. Vadivel has acted as the local organizing chair for the SKM 2014 conference. Various committees have been formed within Dept of CS to oversee the progress of SKM 2014. All the committees were adequately supported by the student volunteers led by Ms. Aswarya R Iyer. Dr. V. Santhos kumar and Dr. B. Vijayakumar acted as members of the program committee. The web portal management has been done by Mr. Nandkumar. The ICT team headed by Dr. M. Madijagan provided appropriate support for the conference. The sponsor committee headed by Dr. Sujala Shetty has overseen the getting the sponsorships from leading industry people around UAE. The event management committee headed by Ms. Susanna has been instrumental in managing the various events for SKM 2014. The finance committee headed by Dr. Alamelu Mangai and Dr. Jeyalatha has managed the finances for the conference. The certificate committee headed by Prof. B. Vijayakumar managed the printing of certificates.

F. Invited Talks given by BITS faculty: Nil

G. Invited talks arranged in the department:

The following invited talks have been arranged in the CS department during 2014:

1. Prof. B. Chandra, Dept. of Mathematics, IIT Delhi delivered a talk on "RECENT TRENDS IN DATA MINING", on 12 Oct. 2014.
2. Prof. Santhi Thilagam, Dept. of CSE, NIT Suratkal, Karnataka delivered a talk on "Distributed Data Management", on 16 Oct. 2014.
3. Professor Sundar Balasubramaniam, Professor of CSIS, BITS Pilani, delivered a talk on "A Distributed Computing Framework for High Performance Data Mining", on 06, Nov. 2014.
4. Mr. Sushant Panda, SYUM LABS, delivered a talk on "BUSINESS ANALYTICS and BI" on 6/11/2014.
5. ESRI is the world leader in Geographical information systems. The ESRI team led by Mr. Satish Menon had delivered a talk on "Geographical Information Systems" on 4th Dec 2014 at BPDC.

H. Awards and recognitions won by faculty and students

- 1) Dr. B. Vijayakumar and Dr. V. Santhoshkumar acted as Technical Program Committee Members for the International Conference on Secure Knowledge Management, SKM - 2014 held at BITS Pilani, Dubai Campus during 8-9 Dec. 2014. Dr. S. Vadivel has been the Local Arrangements Chair for SKM-2014. All the CS department Faculty Members and 30 student volunteers (led by Aishwarya Rajesh Iyer and Priyanka Bhatia) were actively involved in organizing SKM-2014.
- 2) Dr. Sujala Shetty reviewed three papers for the 7th IEEE GCC Conference and Exhibition held during 17-20 November 2013 at Doha, Qatar.
- 3) Gulf Programming contest is a prestigious programming contest held annually in U.A.E. As a common practice this year also the following three teams were sent to represent BITS Pilani, Dubai Campus. The contest has been held at AUS on 19-20, March 2014.

SI. No	ID_NO	NAME
Team 1	2010A7PS084U	Gouthaman K
Team 1	2010A7PS253U	Shikhar Pahwa
Team 1	2010A7PS136U	Milind Agarwal
Team 2	2011A7AAPS185U	Dev Dua
Team 2	2011A7PS178U	Ronak Rajesh Sumbaly
Team 2	2011A7PS214U	Dinesh Balani
Team 3	2011A7PS238U	Lovita
Team 3	2012A7PS061U	Akash Kadel
Team 3	2012A7PS192U	Arvind Somasundaram

This year there were a total of 38 teams from across different gulf countries including Oman, Qatar, Saudi Arabia and U.A.E. The contest lasted five hours from 9AM to 2PM and was closely contested. The results were announced for the top 10 teams and one of our teams comprising of third year students stood 9th and the other

team of final year students stood 10th in the competition. Our third team had also made two correct submissions, though many of the other participating teams have not made even a single correct submission. All the teams have taken extensive training from CS faculty members: Dr Sujala D. Shetty, Ms. S. Jeyalatha and Ms. Alamelu Mangai.

I. Faculty Development, International Collaboration & Industry Immersion:

Ms. Susanna Henry, Senior Lecturer, CS, BPDC has spent one month at BITS Hyderabad Campus during June-July, summer 2014. She enhanced her teaching, research and laboratory skills by way of extensive training given by Prof. Chittaranjan Hota and Dr. Chandrashekar at BITS Hyderabad Campus.

Dr. Madijagan is the Lead faculty for research and training collaborations with DELL, Middle East and CISCO, Middle East, since I semester 2014-15. CISCO has setup a Networking Lab at BPDC to work in the following areas: Software Defined Networks & Application Centric Infrastructure. Training for Certification Courses for DELL and CISCO are being planned shortly.

Prof. Vadivel is the lead faculty for research collaboration with ESRI Sharjah, to work in the following areas from I sem 2014-15:

- a) Hadoop based distributed processing for ARCGIS server and ArcGIS desktop: Dr S. Vadivel, Dr. Sujala D Shetty.
- b) Image search based on meta data and feature selection: Dr. Jagadish Nayak and Dr. B. Vijayakumar.

J. Significant new equipments/experimental facility added during the year:

- I. PCI Add-On Cards, ADC Interface, Stepper Motor Interface With Stepper Motor & Power Adapter and Power Supply: 10 items.
- II. Altova XML Spy@ 2014 Professional Edition, 5 Concurrent Users License, 1 year support and maintenance package.

K. Departmental association/club activities:

1. Microsoft Tech Club:

FACULTY IN-CHARGE - *Dr. S. Vadivel*

PRESIDENT – *Dev Dua*

VP & WEB LEAD – *Rahul Kumar*

TECH LEAD – *Rishav Jalan, Nitya Mohini Harve*

CURRENT MEMBER STRENGTH = 216

The Microsoft Tech Club is run by Microsoft Student Partners, and students of the Microsoft Student Community. The Microsoft Student Partners Program is for students who realize the best tech careers come to those who chase their dreams. MSPs are involved in building apps, training others and social media. They are social, friendly students who enjoy creating global connections. The following courses are conducted during the academic year:

II Semester 2013-14: Web Design, Cloud Academy, Web Application development.

I Semester 2014-15: Web Design, Web Application development.

2. **Linux Users Group:** The Linux Users group actively organized and collaborated events with other clubs and associations. The registrations were free and open to all BPDC students. Series of Presentations were held during 2014 covering the topics UBUNTU LINUX Installation and Configuration, Benefits of Open Source Software, Installation and Demonstration for INKSCAPE and GIMP Software Tools under LINUX. Our Core members took active part in Organizing Committee for ENGINUITY 2014 and TECHNOFEST 2014 involving Programming and Debugging Events.
3. **BPDC ACM Student Chapter:** A total of 15 registrations were made during September 2014 with Ms. Susanna S Henry as the Faculty Advisor. The events organized during the year 2014 include the following:
 - 1) Event Name: Paradox Blogging
Number of participants: 15
Event Details: This is the first event conducted by the team on Sept 27th 2014. In this event, the participants were given 5 random pictures based on which they had create a blog which linked the pictures and had some really nice description about them. The participants were given a week for doing this. Paradox blogging tested their creativity, time efficiency and blogging skills. The winning participant was Don Joe Martin.

2) Event Name: CodeSprint

Number of participants: 15

Event Details: This event aimed at finding the best programming geeks in the campus and this saw an overwhelming participation by around 30 teams with each team of 2 participants. The teams had to solve some basic to complicated programming questions in a given time frame. Winning teams were given movie vouchers.

3) Event Name: Code Relay in TechnoFest

Number of participants: 15

Event Details: Code Relay, a technical event where each member in a team of two took turns in coding, given a problem statement. This event required one to apply basic skills in programming, and one to come out with a solution.

4) Event Name: Les Quizerables in TechnoFest

Number of participants: 15

Event Details: Les Quizerables, the CS quiz to test one's abilities and knowledge of the computer world. This had several rounds including the preliminary round and all the participants liked this event.

B4.14.5 Department: BIOTECHNOLOGY**Number of faculty members (as on 31 December 2014)**

Senior Professors, Professors	02
Associate Professors	01
Assistant Professors	02
Lecturers	-
Visiting Faculty	-

Head of the Department: Dr. Trupti Gokhale**Contact details:** trupti@dubai.bits-pilani.ac.in**Number of PhD Scholars: 6****A. Sponsored Research activities:**

- (i) **Ongoing projects:** Collaborative project on An assessment of the potential of cultivating feedstock crops for biodiesel production in the United Arab Emirates with ICBA .

(ii) Projects sanctioned during the year: 2 by BITS Pilani

1. PI Dr. Rajiv Gupta, Co-PIs: Dr. Sunil Bhand, Dr. Utpal Roy, Dr. Neeru Sood, Dr. Trupti Gokhale Roof top rainwater harvesting for safe, potable, and healthy drinking water and ground water replenishment for BITS Pilani, Pilani campus. Sponsored by CoE: Water, Waste and Energy management, BITS Pilani for a period of 5 Years, with total amount Rs. 91lakhs
2. PI: Dr. Suresh Gupta, Co-I: Prof. S. K. Verma, Dr. Anupam Singhal, Dr. S. Ramachandran Zinc Recovery from Industrial Waste using Bioleaching; Sponsored by CoE: Water, Waste and Energy management, BITS Pilani for a period of 5 Years, with total amount; Rs. 48.00 Lakhs.

(ii) Projects completed this year: NIL**B. Publications:**

- 1) Madhumitha Balasubramani, Jyotsna Lakshmi Kumar, Nanduri Kameswara Rao, Neeru Sood, Trupti Gokhale, Somasundaram Rajeswari, Makram Belhaj Fraj and Sanjeet Mishra, (2014) "Stress-Tolerance of Sinorhizobium spp. Nodulating Sesbania and Cowpea in Desert Soils" Journal of Pure and Applied Microbiology, 8(1): 323-331.
- 2) Adarsh Venkataraman Ganesan, Hardeep Kumar, S. Swaminathan, K. K. Singh, Reenu Anne Joy, Neeru Sood, Trupti Gokhale, R. K. Mittal (2014) Analysis of MEMS-Based Microneedles for Blood Monitoring. Bionanoscience, June 2014, 4(2): 128-135
- 3) Menon K, Jayakumar A.P., Shahid M, Sood N, Rao N.K. 'Seed Dormancy and Effect of Salinity on Germination of Citrullus colocynthis', International Journal of Environmental Science and Development, Volume 5, Issue 6, Pages 566-569, 2014.

- 4) Menon K, Ahmed I, Sood N, Rao N.K. 'The Potential of Castor as a Biodiesel Feedstock Crop for the Arabian Peninsula', ICREGA'14 - Renewable Energy: Generation and Applications, Springer Proceedings in Energy 2014, Pages 1-9, Springer International Publishing.

C. Conferences attended/papers presented:

Following papers were presented in the international conferences by the department faculty/ staff/PhD scholar in the year 2014

1. Varghese S.S., Menon K, Damodar S, Singh K.K, Sood N, Swaminathan S (2014) "Graphene: A Promising platform for bio-sensing applications", 4th international conference on Advances in biotechnology, BioTech 2014, jointly organized by GSTF & Department of Biotechnology BPDC, at BITS Pilani, Dubai Campus, Dubai, UAE on 10th-11th March, 2014.
2. Joy R.A., Ganesan A.V., Menon K, Varghese S.S., Swaminathan S, Singh K.K, Trupti Gokhale and Neeru Sood (2014) "Design and Simulation of a Microcantilever-array based Sensor for Thalassemia screening in the UAE", 4th international conference on Advances in biotechnology, BioTech 2014, jointly organized by GSTF & Department of Biotechnology BPDC, at BITS Pilani, Dubai Campus, Dubai, UAE on 10th-11th March, 2014.
3. Pranay Sood, Neeru Sood and Trupti Gokhale (2014) "Microwaves: An Alternative Bacterial Sterilization Technique?", 4th international conference on Advances in biotechnology, BioTech 2014, jointly organized by GSTF & Department of Biotechnology BPDC, at BITS Pilani, Dubai Campus, Dubai, UAE on 10th-11th March, 2014.
4. S Rajeswari, Neeru Sood, Khaled Masmoudi and Henda Masmoudi (2014) "Gene Expression Analysis of Barley Genotypes Contrasting for their Tolerance to Salinity Stress", 4th international conference on Advances in biotechnology, BioTech 2014, jointly organized by GSTF & Department of Biotechnology BPDC, at BITS Pilani, Dubai Campus, Dubai, UAE on 10th-11th March, 2014.
5. Gaurav Chaudhary, Hardeep Kumar, Anyaa Mittal, Neeru Sood, K.K. Singh (2014) "Sensitivity Analysis of BNNT based Nano Bio-Sensor". 4th International conference on Advances in biotechnology, BioTech 2014, jointly organized by GSTF & Department of Biotechnology BPDC, at BITS Pilani, Dubai Campus, Dubai, UAE on 10th-11th March, 2014.
6. Gera S, Ramachandran S and Prakashkumar BG (2014) "Development of pretreatment methods for biomass based substrates for fermentation processes with focus on Ziziphus sp." 4th International conference on Advances in biotechnology, BioTech 2014, jointly organized by GSTF & Department of Biotechnology BPDC, at BITS Pilani, Dubai Campus, Dubai, UAE on 10th-11th March, 2014.
7. Salma Sheriff and D.J.Shariff, "A Tissue Engineering approach to treat cardiac diseases using Cardiomyocytes differentiated from Human Peripheral Blood", at the 4th Annual International Conference on Advances in Biotechnology (BIOTECH 2014) on 10-11th March 2014, Organised by Global Science and Technology Forum (GSTF), Singapore held at BITS Pilani Dubai Campus, Dubai, UAE.
8. Sarah Nuruddin, D.J.Shariff and Salma Sheriff, "A survey on the awareness of Stem cells therapy in Dubai", at the 4th Annual International Conference on Advances in Biotechnology (BIOTECH 2014) on 10-11th March 2014, Organised by Global Science and Technology Forum (GSTF), Singapore held at BITS Pilani Dubai Campus, Dubai, UAE.
9. S Rajeswari, Trupti Gokhale, Neeru Sood and N.K. Rao (2014) "Isolation and Characterization of Microbial Strains Associated with Leguminous Plants from Desert Soils", 4th International conference on Advances in biotechnology, BioTech 2014, jointly organized by GSTF & Department of Biotechnology BPDC, at BITS Pilani, Dubai Campus, Dubai, UAE on 10th-11th March, 2014.
10. Gaurav Chaudhary, Anyaa Mittal, Neeru Sood, K.K. Singh (2014) "Design and Analysis of Nano-mechanical Resonator for Virus Detection". 2014 IEEE Sensors Applications Symposium (SAS 2014), held on 18th-20th February, 2014 in Queenstown, New Zealand.
11. Hardeep Kumar, Anuj Kumar, K.K. Singh, Neeru Sood, R.K. Mittal (2014) "Design and Simulation of a Micro Hotplate for MEMS based Integrated Gas Sensing System," 2014 IEEE Sensors Applications Symposium, (SAS 2014), held on 18th-20th February, 2014 in Queenstown, New Zealand.
12. Adarsh Venkataraman Ganesan, Reenu Anne Joy, Kiran Menon, Hardeep Kumar, K.K. Singh, Trupti Swarup Gokhale, Neeru Sood, An integrated microsystem for piezo-resistive detection of mutations in Hemoglobinopathies, The 1st Middle East Molecular Biology Congress & Exhibition 2014-Dubai, UAE.
13. Nirupama Dixit, Anyaa Mittal, Neeru Sood, Trupti Gokhale, KK Singh, Nanoparticles In Drug Delivery And Therapy Of Alzeheimer's Disease, International Conference in Biotechnology and Bioengineering-2014, 29-30th October 2014, Dubai, UAE, Pg. No.38.

14. Vivin Karthik, Sridevi Thyagarajan, Neeru Sood, Trupti Gokhale & Sanjida Ahmed DNA Ancestry Test Confirms The Predominance Haplogroup J (Y-Dna) And H (Mt-Dna) Among The Middle Eastern Population. International Conference in Biotechnology and Bioengineering-2014, 29-30th October 2014, Dubai, UAE, Pg. No. 45.
15. Akshay Deshpande, Saima Sirajuddin, Sarah Nuruddin, Salma Sheriff, Neeru Sood and Trupti Gokhale, Photobacterium Sps: A Bioanalyte In Development Of Biosensors, International Conference in Biotechnology & Bioengineering-2014, 29-30th October 2014, Dubai, UAE, Pg. No. 45.
16. Gayathri Ganesh, Neeru Sood and Trupti Gokhale, Isolation of Copper Resistant Bacteria and Fungi for Synthesis of Copper Nanoparticles, International Conference in Biotechnology and Bioengineering-2014, 29-30th October 2014, Dubai, UAE, Pg. No. 53.
17. S.Rajeswari, Trupti Gokhale, Salma Shariff, Swathi Murali, Aarti Swaminathan , Khaled M. and Neeru Sood' Interactive Effect Of Micro And Macro Nutrients In Barley Cultivars Differing Salt Tolerance, International Conference in Biotechnology and Bioengineering-2014, 29-30th October 2014, Dubai, UAE, Pg. No. 62
18. Trupti Gokhale, Parvathy B., Revathy Krishnakumar, Vidhya Venugopal, Juweria Anam, Neeru Sood, Phytoremediation of recalcitrant compounds, 3rd Global Sustainable Biotech Congress 2014, 1-5th December 2014, Jalgaon, India. *EMBT OP-12/46*
19. Deborah Nazareth, Anyaa Mittal and Neeru Sood (2014) "Study of Potential Cancer Biomarkers for Early Diagnosis " International Conference on Biotechnology and Bioengineering ICBB-2014, 29-30th October 2014, Dubai, UAE, Pg. No. 60.
20. Srishti Singh, Anyaa Mittal and Neeru Sood (2014)" Biomarkers: A Novel Approach in Diagnosis of Cardiovascular Diseases"" International Conference on Biotechnology and Bioengineering ICBB-2014, 29-30th October 2014, Dubai, UAE, Pg. No. 38.
21. Irshad Ahmed, Aswathy, Hydari Masuma, Prakash Kumar BG, Salma Sheriff, Ramachandran S. 'Development Of Tubular Photobioreactor For Sustainable Production Of Microalgae' at International Conference on Biotechnology and Bioengineering (ICBB 2014), during 29th-30th Oct 2014, Dubai, UAE. Pg. No. 18.
22. Salma Sheriff, Gunjan Khera, Irshad Ahmed, Shariff D J, Prakash Kumar BG, Ramachandran S. 'Microalgal Biodiversity In Arid Regions And Its Biotechnological' at International Conference on Biotechnology and Bioengineering (ICBB 2014), during 29th-30th Oct 2014, Dubai, UAE. Pg. No. 19.
23. Khalil ur Rahman, Shoaib Ismail and S Ramachandran 'Nutrient Management Through Agro-Forestry Production System' at International Conference on Biotechnology and Bioengineering (ICBB 2014), during 29th-30th Oct 2014, Dubai, UAE. Pg. No. 44.
24. Hydari Masuma, Prarthna Clare, Sridevi Thyagrajan, Akshay Deshpande, Anaz Anjum.S. Ramachandran, Presented a poster on 'Scale up Model of Tubular Photobioreactors for Biodiesel Production Using Micro-algae' at International Conference on Biotechnology and Bioengineering (ICBB 2014), during 29th-30th Oct 2014, Dubai, UAE.
25. Vrinda Nair and Shariff D J ""Study on effects of desalination effluents on the coastal waters of UAE". International Conference on " Biotechnology & Bioengineering" (ICBB-2014) "Birla Institute of Technology & Science, Pilani Dubai Campus (U.A.E) 29-30 Oct 2014."2014 Page No 54

D. Books Published/Edited during the year: NIL

E. Conferences, seminars & workshops conducted: 2 conferences conducted

- 1) 4th Annual International Conference On Advances In Biotechnology (BIOTECH 2014) jointly organized by Department of Biotechnology BITS Pilani Dubai Campus & GSTF (Global Science and Technology Forum) during 10-11 march 2014
- 2) International Conference In Biotechnology And Bioengineering-2014 (ICBB2014), jointly organized by Department of Biotechnology BITS Pilani Dubai Campus, Microbiologist Society and Babasaheb Ambedkar University, Aurangabad, India during 29-30th October 2014,

F. Invited Talks given by BITS faculty:

1. Dr. Neeru Sood delivered a talk on "Genetic Engineering for Sustainable Agriculture: Techniques, Merits and Challenges, during 3rd Global Sustainable Biotech Congress 2014, 1-5th December 2014, Jalgaon, India.

G. Invited talks arranged in the department:

1. Mrs. Medha Juvekar, Nutritionist and Dietician at Deenanath Mangeshkar Hospital, Pune delivered an interesting talk on 'NUTRITION MADE EASY', wherein she discussed and highlighted the importance of diet and nutrition.

H. Awards and recognitions won by faculty and students

1. Dr. Trupti Gokhale received the best oral presentation award with a cash prize of Rs. 5000/- at the 3rd Global Sustainable Biotech Congress 2014 (GSBC 2014), 1-5th December 2014, Jalgaon, India.
2. Dr. Neeru Sood was honored to be on the International Advisory board for the 3rd Global Sustainable Biotech Congress 2014, 1-5th December 2014, Jalgaon, India.
3. Ms. S. Rajeshwari received the best paper award at the 4th Annual International Conference On Advances In Biotechnology (BIOTECH 2014), 10-11th March 2014, Dubai, UAE.
4. Ms. Salma Sheriff received the best oral presentation award at the International Conference On Biotechnology And Bioengineering-2014 (ICBB 2014), 29-30th October 2014, Dubai, UAE.
5. Ms. S. Rajeshwari received the best participant's award during the MTCD-2014 workshop at BITS Pilani, Pilani Campus, India.
6. Ms. Shristi Singh received the best oral presentation award at the International Conference On Biotechnology And Bioengineering-2014 (ICBB 2014), 29-30th October 2014, Dubai, UAE.
7. Ms. Gayathri Ganesh received the best oral presentation award at The International Conference On Biotechnology And Bioengineering-2014 (ICBB 2014), 29-30th October 2014, Dubai, UAE.
8. Ms. Nirupama Dixit received the best poster presentation award at the International Conference On Biotechnology And Bioengineering-2014 (ICBB 2014), 29-30th October 2014, Dubai, UAE.
9. Ms. Suchita Gera Received The Best Poster Award At International Conference On Emerging Trends In Biotechnology, Jawaharlal Nehru University, New Delhi.

I. Faculty Development, International Collaboration & Industry Immersion:**Faculty Development:**

1. Dr. Neeru Sood and Dr. Trupti Gokhale were invited as judge for the 3rd 'International Conference on Renewable Energy: Generation and Applications' (ICREGA'14), 2-5 March 2014 at UAE University, Al Ain, UAE.
2. Dr. Neeru Sood evaluated oral presentation at the 3rd Global Sustainable Biotech Congress 2014 (GSBC 2014), 1-5th December 2014, Jalgaon, India.
3. Ms. Salma Sheriff & Ms. S.Rajeswari Research Scholars participated in a workshop on Molecular Techniques Cell to DNA (MTCD-2014) organized by Biological Sciences group, BITS Pilani, Pilani Campus, 10-12 April 2014.
4. Dr. D J Shariff Dr. Neeru Sood, Dr. S. Ramachandran, and Dr. Trupti attended the 'Chemical Engineering Modeling Using COMSOL Multiphysics' workshop on 18th September 2014.
5. Dr. Neeru Sood, Dr. S. Ramachandran, Dr. Trupti Gokhale visited Petroleum Institute, Abu Dhabi with other faculty colleagues for sharing research interests and prospective Research Collaboration.
6. Neeru Sood and Dr. Trupti Gokhale became life members of the Microbiologist Society, India.
7. Dr. Trupti Gokhale became member of the American Society of Microbiologists.
8. Dr. D J Shariff attended "Bio Medical Instrumentation and Applications" organized by EEE Department, BITS Pilani, Dubai Campus in association with AMSA Renal Care, Dubai on December 11, 2014.

Industry Immersion:

Dr. Neeru Sood, Dr. S. Ramachandran, Dr. Trupti Gokhale visited EPYGEN Labs, DUBIOTECH, Dubai for prospective collaboration.

J. Significant new equipments/experimental facility added during the year:

Item	Specification	Quantity
Vortex Mixer	Make: Thermo Scientific Vortex Mixer Model: M37610-33 Maximum capacity 500ml, Speed range up to 3000 min ⁻¹	3

Analytical Balance	Make: SHIMADZU ANALYTICAL BALANCE Model: AUW-220D Capacity: 220gm Readability: 0.1mg SHIMADZU, JAPAN	1
--------------------	--	---

K. Departmental association/club activities:

1. The Chimera club of the department organized a welcome for the Freshers on 16th September 2014.
2. The Chimera club organized a visit for the 3rd year and 4th Year students to DUBIOTECH, Dubai for career prospects on
3. Mrs. Medha Juvekar, Nutritionist and Dietician at Deenanath Mangeshkar Hospital, Pune delivered an interesting talk on 'NUTRITION MADE EASY', wherein she discussed and highlighted the importance of diet and nutrition.

Student Achievements:**Competitions:**

1. D Jalaluddin Shariff and Mohamed Atyab, "Addictive tendencies of children and young adults due to development of social media and its Psychological impact" at Under Graduate Student Research Competition, Abu Dhabi University, held on 22 May 2014 .
2. Prarthana Clare, Hydari Masuma, Aswathy PJ, Gunjan, Presented a paper on 'Characterisation of heat tolerant micro-algal strains' at The Second United Arab Emirates Undergraduate Student Research Competition: 22nd May 2014.
3. Sridevi Thyagrajan, Prarthna Clare, Akshay Deshpande, Sathvik Balaji, Ishita Roy, Presented a poster on 'Optimisation of methods for extraction of lipids from Micro-algae for biodiesel production' at 5th Engineering Student Renewable Energy Competition 3rd May 2014.

B4.14.6 Department: General Sciences

Number of faculty members (as on 31st December 2014)

Senior Professors, Professors	03
Associate Professors	08
Assistant Professors	06
Lecturers	-
Visiting Faculty	-

Head of the Department: Dr. Maneesha

Contact details: maneeshad@dubai.bits-pilani.ac.in

Number of PhD Scholars: 2

Ph.D. Thesis Submitted during the year: Nil

A. Sponsored Research activities:

Total number of Sponsored Projects in the department: *NIL*

B. Publications:

- 1) Suhel Ahmad Khan, Auxiliary problem and algorithm for a generalized mixed equilibrium problem, J. Egyptian Math. Soc. 2014, In Press, Elsevier Publication (USA).
- 2) Suhel Ahmad Khan, System of operator quasi equilibrium problems, International Journal of Anal. Volume 2014, Article ID 848206, 6 pages, Hindawi Publications, USA.
- 3) Farhat S., S. K. Srivastava and Suhel Ahmad Khan, A Wiener-Hopf dynamical system for mixed equilibrium problems, International Journal of Mathematics and Mathematical Sciences, Volume 2014, Article ID 102578, 8 pages Hindawi Publications, USA.

- 4) Vivin Karthik, Mohamed Ebrahim and Geetha, Estimation of above ground biomass of trees in BITS Pilani Dubai Campus, APCBEE Procedia, accepted for publication in APCBEE Procedia (Journal under Elsevier, ISSN: 2212-6708) 2014.
- 5) Mohamed Ebrahim, Vivin Karthik and Geetha, Study of impact of urbanisation on the climate change in Dubai. APCBEE Procedia, accepted for publication in (Journal under Elsevier, ISSN: 2212-6708) 2014.
- 6) Theoretical Analysis of Mechanical Properties for Elements at Nano-scale - Aakriti Singh, Aashia Fathima, S. Karthiyayini, International journal on Recent development in engineering and Technology, Volume 2, Special Issue 1, February 2014.
- 7) Forecast Analysis of Potential and Availability in Renewable Energy, Kavita S. Jerath, Miller Jothi, S. Karthiyayini, Akshay Sharma, International Journal of Environmental Science and Development, (IJESD), Volume 6 Number 5 (May 2015), 341-347
- 8) Structural and Electrical characteristics of GaN, n-GaN and Al_xGa_{1-x}N, Ponnusamy, Arivazhagan; Raju, Ramesh; Ramadoss, Roop Kumar; Faulques, Eric; Bennis, Fouad; Krishnan, Baskar, Paper submitted for publication in Semiconductor Science and Technology, Article reference: SST-101084
- 9) Poonam Nair and Priti Bajpai, A Study of Transportation Problem for ABC International, a Freight Forwarding and Logistics Company based in Washington, USA, National Conference on Recent Trends and Developments in Operations Research (NCRTDOR-2014), BITS Pilani, India, February 22-23, published in proceedings, pg no 52, 2014.
- 10) Gurmeet Kaur and Priti Bajpai, A Review of a Dubai Based Company's Transportation Problem As They Expand For EXPO 2020, National Conference on Recent Trends and Developments in Operations Research (NCRTDOR-2014), BITS Pilani, India, February 22-23, published in proceedings, pg No 50, 2014.
- 11) Bajpai Priti, Numbers and Their Unique Forms in Modern Times, Anusandhan (Vigyan Shodh Patrika) Section 3, Lucknow, India, October, 2014.
- 12) Adarsh Venkataraman Ganesan, Hardeep Kumar, Sundaram Swaminathan, K.K. Singh, Neeru Sood, Trupti Gokhale, R.K. Mittal, "Analysis of MEMS-Based Microneedles for Blood Monitoring," Bio Nano Science; doi: 10.1007/s12668-013-0122-5, 2013
- 13) Hardeep Kumar, Anuj Kumar, K.K. Singh, Neeru Sood, R.K. Mittal, "Design and Simulation of a Micro Hotplate for MEMS based Integrated Gas Sensing System," 2014 IEEE Sensors Applications Symposium, Queenstown, New Zealand, Feb. 2014, IEEE Explore: 10.1109/SAS.2014.6798942, pp.181-184
- 14) Gaurav Chaudhary, Anyaa Mittal, K.K. Singh, Neeru Sood, "Design and Simulation of Nano-mechanical Resonator for Virus Detection," 2014 IEEE Sensors Applications Symposium, Queenstown, New Zealand, Feb. 2014, IEEE Explore: 10.1109/SAS.2014.6798940, pp.170-174
- 15) A study on the development of cost effective dyeing method for dyeing of 100% polyester fabric, Published in International Journal of Advanced Scientific and Technical Research, Issue 4 volume 3, P.897, May-June 2014 Available online on <http://www.rpublication.com/ijst/index.html>. ISSN 2249-9954
- 16) Study of Band Structure Properties of Pnictide LaO_{1-x}F_xFeAs (x = 0, 0.2) Superconducting Compound Neena D. · K. B. Garg · P. A. Alvi · D. Kumar · Kavita S. Jerath · M. Abu-Samak · S. Dalela Journal of Supercond Nov Magn DOI 10.1007/s10948-014-2539-7
- 17) Forecast Analysis of Potential and Availability in Renewable Energy Kavita S. Jerath, N.K. Millerjothi, S. Karthiyayini and Akshay Sharma, International Journal of Environmental Science and Development, Vol 6, No. 5, May 2015
- 18) Karabi Dutta Choudhury, Biplab Karmakar, Mantu Das and Tapan K. Datta, "An Inventory Model for Deteriorating Items with Stock-dependent Demand, Time-varying Holding Cost and Shortages", OPSEARCH Springer, Online Vol Dec. 2013, 21 pages.

C. Conferences/ Workshop attended/papers presented:

1. Yeshasvi and Geetha, "Dessicant system performance and feasibility study for UAE '7th International Conference on Sustainable Energy and Environmental Protection' 23.11.14 to be published in the 'Energy' Journal (Elsevier IF: 3.487).
2. Vivin Karthik, Mohamed Ebrahim and Geetha Effect of biomass on wind reduction pattern in BITS Pilani Dubai Campus, International Conference on Biology, Civil and Environmental Engineering (BCEE-2014) March 17-18, Dubai, UAE
3. Proton Structure Function Calculation by Thermodynamical Bag Model – Subramanian Seshadri C Aiyer, S. Karthiyayini, Ganapathy Seshadri C Aiyer, International Conference on Applied

- Science, Management and Technology 2014 (ICASMT 2014) 4,5 December, Dubai (Awarded paper of excellence)
4. Analysis of elastic constants of Fe₂B from X-Ray Diffraction technique – Shrey Iyengar, Kavita S. Jerath, S. Karthiyayini, International Conference on Applied Science, Management and Technology 2014 (ICASMT 2014) 4,5 December, Dubai (Awarded paper of excellence)
 5. Study & Characterization of Semiconductor Nanowires as Sensing Interfaces for Electrochemical Biosensor Applications, Materials Challenges in Alternative & Renewable Energy 2014 Conference (MCARE2014), February 16 – 20, 2014, Hilton Clearwater Beach Resort, Clearwater, Florida
 6. Gaurav Chaudhary, Hardeep Kumar, Anyaa Mittal, K.K. Singh, Neeru Sood, "Sensitivity Analysis of BNNT based Nano Bio-Sensor", 4th Annual International Conference on Advances in Biotechnology 2014, BITS Pilani, Dubai Campus, UAE, March 2014, doi: 10.5176/2251-2489_Biotech 14.19, pp.18-22
 7. Rennu A. Joy, Adarsh V.G., kiran Menon, Seba S. Varghese, S.Swaminathan, K.K.Singh, Trupti Gokhale, Neeru Sood, "Design and Simulation of a Cantilever based Sensor for Thalassemia scening in the UAE" 4th Annual International Conference on Advances in Biotechnology 2014, BITS Pilani, Dubai Campus, UAE, March 2014, doi: 10.5176/2251-2489_Biotech 14.38, pp.64-69
 8. Seba S. Varghese, Kiran Menon, Sreeshad Damodar, K.K.Singh, Neeru Sood, S. Swaminathan. "Graphene: A Promising platform for bio-sensing application" 4th Annual International Conference on Advances in Biotechnology 2014, BITS Pilani, Dubai Campus, UAE, March 2014, doi: 10.5176/2251-2489_Biotech 14.40, pp.74-80
 9. K.K.Singh, Hardeep Kumar, Anuj Kumar, Gaurav Chaudhary, "Modeling and Simulation of micro/nano based integrated Gas Sensor" 5th International Conference on Nanotechnology: Fundamentals and Applications (ICNFA'14), Prague, Czech Republic, Aug. 11-13, 2014
 10. Aditya Poonia, Abhimanyu Dabas, Gaurav Chaudhary, Hardeep Kumar, K.K. Singh, "Investigations on single-walled CNT based bio-sensor using Finite difference method" 5th International Conference on Nanotechnology: Fundamentals and Applications (ICNFA'14), Prague, Czech Republic, Aug. 11-13, 2014
 11. Aditya Poonia, Abhimanyu Dabas, Lavanya Aggarwal, Gaurav Chaudhary, Hardeep Kumar, Anuj Kumar, K.K. Singh "Analysis of CNT based Nano Bio-Sensor for Virus Detection" 14th IEEE International Conference on Nanotechnology, Toronto (Canada), Aug. 11-13, 2014
 12. Abhilash Saksena and Maneesha, Value Addition- Increase Production by Providing Logistics Solutions, International Conference on Logistics, Informatics and Social Service 2014, University of California, Berkeley, USA, 23-26 July 2014.
 13. Priti Bajpai and Maneesha, Analysis of Parking Lots While Dubai Prepares for EXPO 2020, International Conference on Logistics, Informatics and Social Service 2014, University of California, Berkeley, USA, 23- 26 July 2014.
 14. Mubeena and Maneesha, Analysis of Written Business Communication Competency in the Hotel Industry of Dubai, International Conference of Academic Disciplines, Harvard Medical College, Boston, Massachusetts, USA, 25-30 May 2014.
 15. Poonam Nair and Priti Bajpai, A Study of Transportation Problem for ABC International, a Freight Forwarding and Logistics Company based in Washington, USA, National Conference on Recent Trends and Developments in Operations Research (NCRTDOR-2014), BITS Pilani, India, February 22-23, 2014.
 16. Gurmeet Kaur and Priti Bajpai, A Review of a Dubai Based Company's Transportation Problem As They Expand For EXPO 2020, National Conference on Recent Trends and Developments in Operations Research (NCRTDOR-2014), BITS Pilani, India, February 22-23, 2014.
 17. Bajpai, Priti, Akshansh Chaudhary, Janani Ram, Significance of Different Series From The Time Of Sridharacarya, International Conference, on History of Mathematics, 2014, Savitribai Phule Pune University, Pune India, 27th to 30th November, 2014.
 18. Akshansh Chaudhary, Bajpai, Priti, Anjali Preetha Velayudhan, From Aryabhatta to Euler - Solving Diophantine Equations, International Conference, on History of Mathematics, 2014, Savitribai Phule Pune University, Pune India, 27th to 30th November, 2014.
 19. Janani Ram, Anjali Preetha Velayudhan, Bajpai, Priti, Prediction of Eclipses – Vedic Age vs. Modern times, International Conference, on History of Mathematics, 2014, Savitribai Phule Pune University, Pune India, 27th to 30th November, 2014.
 20. Design, synthesis, photophysical property and biological evaluation of (z)-3-((4-(4-aminobenzyl) phenyl) amino)-1,3-diphenylprop-2-en-1-one as estrogen receptor agonist in breast cancer cell, F.Rusal Raj, V.Latha, B.Annaraj and M.A.Neelakantan, International Conference on Biotechnology &

Bioengineering" (ICBB-2014), Birla Institute of Technology & Science, Pilani, Dubai Campus (U.A.E) 29th-30th October 2014.

21. Analysis of elastic constants of Fe₂B from X-Ray Diffraction technique – Shrey Iyengar, Kavita S. Jerath, S. Karthiyayini, International Conference on Applied Science, Management and Technology 2014 (ICASMT 2014) 4,5 December, Dubai (Awarded paper of excellence)
22. Forecast Analysis of Potential and Availability in Renewable Energy, Kavita S. Jerath, N.K. Millerjothi, S. Karthiyayini and Akshay Sharma, 2014 SCIEI International Conference on Substantial Environmental Technologies, Dubai, UAE, August 22 - 23, 2014
23. Dr. Amarnath attended INUP workshop on familiarisation of Nano-fabrication technology at IIT, Bombay from 27-30, November, 2014.
24. Dr. Muralidharan attended the workshop on MODELING IN CHEMICAL ENGINEERING USING COMSOL on 18th September 2014 at BITS Pilani Dubai Campus organized by Chemical Engineering Students Association

D. Books Published/Edited/ Reviewer/ Examiner during the year:

Reviewer:

1. Dr. Muralidharan for Journal of Scientific Research and Reports, Science Domain International, USA.
2. Dr. Maneesha for International Conference on Logistics, Informatics and Social Service 2014, University of California, Berkeley, USA.

Examiner/ Panel member

Dr. Muralidharan for Adjudication of Ph.D theses submitted to Baharathidasan university, Tiruchirappalli, Tamilnadu, India

1. Thesis entitled "Solution Growth, Spectral And Thermal Characterization Of Organic Nlo Crystals" submitted by G.V. Pandian
2. Thesis entitled "Tuning The Micro-Structural And Physico-Chemical Properties Of Zno Nanopowders And Thin Films Through Mg And F Doping For Opto-Electronic And Antibacterial Applications"- submitted by S. Snega
3. Thesis entitled "Investigation on the Stoichiometry and Certain Physical properties of Nano Crystalline CdS films deposited using SILAR technique and study of their suitability for low cost solar -cell applications" submitted by V. Senthamil Selvi
4. Thesis entitled "Electrochemical Acyloxilation of Mono substituted Benzenoids" submitted by Ms. C. Thillaiyadi Valliammai.
5. Thesis entitled "Investigation On The Structural , Optical And Electrical Properties Of Copper Oxide And Zinc Oxide Thin Films For Some Gas Sensing Applications" submitted by Mr. D. Gopalakrishna.
6. Thesis entitled "Synthesis , Growth And Characterization Of Semi Organic Crystals – A Search For Novel Nlo Crystals By The Study Of Picric Acid With Some Amino Acids, Carboxylic Acids, Amines And Amides With Inorganic Dopants" submitted by K. Rajarajan.

E. Conferences, seminars & workshops conducted:

Organized a training session of SPSS for

- the faculty and staff on 23 September, 2014
- the students on 19 October, 2014

F. Invited Talks given by BITS faculty:

- 1) Key note speaker: Dr. S. Karthiyayini: "Nuclear power technology development in UAE", International research conference on science, health and medicine, Dubai, October 15, 2014.

G. Invited talks arranged in the department:

Prof Suresh Bhargava, Deputy Pro Vice Chancellor (Int)-College of Science, Engineering and Health and Director - Centre of Advanced Materials & Industrial Chemistry, School of Applied Sciences, RMIT University, Melbourne, Australia visited the campus on 23 and 24 November, 2014. Talk on "Multidisciplinary Approach To Create Innovation In Science And Engineering".

H. Awards and recognitions won by faculty and students: NIL

I. Faculty Development, International Collaboration & Industry Immersion: NIL

J. Significant new equipments/experimental facility added during the year:

The following two instruments have been bought for Physics Laboratory during 2013-14.

1. Torsional Pendulum
2. Rotational Motions of a rigid body.

K. Departmental association/club activities:**Flummoxed (Quiz Club)**

- **QUIZZING LEAGUE:** Five teams participated and had three rounds in the semester.
- **Partnering with BITS Goa Quiz Club and hosting of Quark Dubai Finals at Technofest:** Hosted the Quark Dubai Finals as a part of Technofest as well as the Quark Quiz Fest at BITS Goa. There are more 6 zonal finals which will happen in various Indian Cities. The Quiz was based on Science , Technology and Business and was hosted throughout by Swathi Sampath and organised by Omkar Bhandakkar.

Quark Results:

1. Raunaq Paul & Rahul Gupta Kambampati
 2. Ishana Rajguru & Tejas Kulkarni
 3. Mrigank Mohan & Rajesh Suresh
- **TAPMI QOTB:** TAPMI QotB™ India's biggest campus business quiz, is held by T. A. Pai Management Institute (TAPMI) at the beautiful Kaup beach on the western coast of India. 2015 will witness the 12th edition of TAPMI QotBTM, with qualifiers conducted in six cities across India along with an international qualifier in Dubai. This year, TAPMI QotB™ will be conducted by noted quizmaster, Giri 'Pickbrain' Balasubramaniam, of the Tata Crucible fame. The prizes in the Grand Finale are: 6 lakhs INR (1st), 3 lakhs INR (2nd), 1.5 lakhs INR (3rd). The Dubai Qualifier were held on 29th November at the Dubai Chamber of Commerce with top 2 teams qualifying for India (all travel expenses paid). There were around 30 college teams mostly from B School in and around Dubai.
 - Dubai Winners: Raunaq Paul & Rahul Gupta Kambampati, BITS Pilani Dubai Campus
 - Dubai Runners UP: Ameen Waggle and Richa Singh , BIT Mesra-RAK
 - BITS Dubai first years Tejas Kulkarni and Krishna Kaushik were in top 6 in Dubai finals beating out many senior teams hailing from B-schools like SPJAIN, IMT, Manipal etc.

B4.14.7. Department: Humanities & Social Sciences

Number of faculty members (as on 31 December 2014)

Senior Professors, Professors	01
Associate Professors	02
Assistant Professors	01
Senior Lecturers	02
Lecturers	01
Visiting/ Adjunct Faculty	01

Head of the Department: Dr. A. Srinivasa Rao

Contact details: drsrinivas@dubai.bits-pilani.ac.in

Number of PhD Scholars: 01

Ph.D. Thesis Submitted during the year: 01

A. Sponsored Research activities: NIL

Ph.D. Thesis Submitted during the year: 01

Ms. Aqila Rafiuddin's (Lecturer) Ph.D. thesis titled " A Comparative study on Growth and Financial Performance of Islamic and Conventional banks in GCC Countries" was submitted on 5 June 2014.

B. Sponsored Research activities: NIL

C. Publications:

1. Jabeen, Shazi Shah, 'Implementation of Communicative Approach', English Language Teaching, 2014, Vol. 7, No.8, pp 68-74
2. Pushkala M. and Madhavi C. "Emerging Ethical Issues due to Technological Developments in an Era of Globalization", Asian Journal of Research in Social Sciences and Humanities, April 2014, Vol. 4, Issue 4, pp. 317-331
3. Qasim, Z. and Pushkala, M., "CSR and impact of CSR practices in companies in UAE", in 'Perspectives of Corporate Social Responsibility and Sustainability: a specific reference to UAE', Naem M. and Salim B., Ed. Germany: Lambert Academic Publishing, 2014, pp. 123-149
4. Rao, A.S., "Nurturing entrepreneurial women : An empirical study from a Developing country", Journal of Entrepreneurship in Emerging Economies, 2014, Vol. 6 Iss 3, pp. 268 - 297

C. Conferences attended/papers presented:

1. Mubeena, I. and Maneesha, "Analysis of written business communication competency in the hotel industry of Dubai", International Conference of Academic Disciplines, Harvard Medical College 25-30 May, 2014, Boston, Massachusetts.
2. Sogani, Arihant, Banerjee, Anomitra, Aqila Rafiuddin,. "Development of a model for human capital management for the success of corporate" Society for Global Business & Economic Development organized by Università Politecnica Proceedings of the 13th International Conference July 2014, delle Marche, Ancona, Italy.
3. Shazi Shah Jabeen, Anomitra Banerjee, and Purab Dilip Bhatia, 'Strategizing for the Future: Introducing E-Learning in Educational Institutions and Corporate Houses' Canadian University of Dubai, Proceedings of 2014 International Conference on Web and Open Access to Learning (ICWOAL' 2014) IEEE Catalogue Number: CFP1407Z-ART, ISBN: 978-1-4799-5739-2, 25-27 November 2014, Dubai, UAE

D. Books Published/Edited during the year: Nil**E. Conferences, seminars & workshops conducted: NIL****F. Invited Talks given by BITS faculty: NIL****G. Invited talks arranged in the department:**

1. On 11th March 2014, Mr. Y.C. Roy, Learning and Organizational Development Leader, Strategic Outsourcing - Delivery, IBM delivered a lecture on "Strength based Leadership".
2. On 16th September 2014, Mr. Rakesh Pardasani, Partner at RSM Dahman, Dubai delivered A talk & interactive session on "Business Plan and It's Components "
3. On 25th September 2014, Ms. Miel Barrios-Severinova, Manager, TiE Dubai delivered a lecture session on "Business Plan Competition and TiECon"
4. On 7th October 2014, Mr. Ashish Patel, CEO, Euphoria Ventures delivered A Talk and Interactive session on "The Entrepreneurial Journey".
5. On 26th November 2014, Mr. Mohsin Ali and Mr. Zubair Kazmi, ADAM Global Legal Consultants LLC delivered a talk on Talk and interaction session on "How to set up Business in U.A.E. - Legal Aspects".

H. Awards and recognitions won by faculty and students:

1. Dr. Srinivasa Rao has been invited to deliver few lecture sessions on "Strategic HRM" and "Managing Change" at University of Dubai during July 2014.
2. Dr. Srinivasa Rao has been nominated as Abstract Reviewer at ICSB Conference (International Conference on Small Business) to be held in July 2015.

I. Faculty Development, International Collaboration & Industry Immersion: NIL**J. Significant new equipments/experimental facility added during the year: NIL****K. Departmental association/club activities:**

- (i) **Association :** CEL Report for the year 2014 is appended below

CEL Report - 2014:

CEL at Dubai campus was established in 2012 by its founding president Mr. Deepan Kishore Kumar and Dr. A. Srinivasa Rao, Associate Professor, Management, as the Faculty In-Charge. CEL has grown ever since and currently has over 300 members. Under the current leadership of Nitin Bhalla (CEO), the center has organised various Talk Sessions, hosted multiple events, introduced a course, etc.

(i) Activities of CEL for 2014 are as follows:

1. Following are the Interactive Sessions organized by CEL:
 - (1) On 11th March 2014, A Talk & Interactive session on “Strengths Based Leadership” by Mr. Y.C. Roy, Learning & Organisational Development Leader Strategic Outsourcing-Delivery, IBM.
 - (2) On 14th April 2014, A Talk & Interactive session on “Business Planning & Strategies” by Mr. T. P. Anand, Managing Consultant, Motivaluate Consulting & Training LLC.
 - (3) On 7th May 2014, a talk and interactive session on “What lies beneath the clouds” was conducted by Mr. Mahesh Jaishankar, Vice President of Datamena and Broadcasting at du, organized by CEL, BPDC.
 - (4) On 16th September 2014, A talk & interactive session on “Business Plan & Its Components” by Mr. Rakesh Pardasani, Partner at RSM Dahman.
 - (5) On 25th September 2014, A lecture session on "Business Plan Competition and TiECon" was held by Ms. Miel Barrios-Severinova, Manager, TiE Dubai.
 - (6) On 7th October 2104, A Talk and Interactive session on "The Entrepreneurial Journey" was by Mr. Ashish Patel, CEO, Euphoria Ventures.
 - (7) On 2nd November 2014, A Talk and Interactive session on “Finance, Venture Capital & Fund Raising” was by Mr. Nisarg Dugad, Managing Partner, Nimai Management Consultants.
 - (8) On 11th November 2014, An Introduction Session for “Chartered Institute of Management Accountant (CIMA)”.
 - (9) On 26th November 2014, Talk and interaction session on "How to set up Business in U.A.E. - Legal Aspects" by Mr. Mohsin Ali and Mr. Zubair Kazmi, ADAM Global.
2. Mantra Awards 2014 at Dubai Campus : 5 winners have been announced
3. Drafted Bylaws for better functioning of CEL.
4. Developed its own website (<http://celbpdc.org>)
5. Organised business events “The Wolf of WallStreet” in ENGINuity’14, the inter-university event hosted by BITS Pilani, Dubai Campus. “The Wolf of WallStreet” is a finance event based on stock-market and market investment. The event received over 70 team registration from 6 different colleges. March 34 - April 3, 2014.
6. Introduced “New Venture Creation (NVC)” course to Dubai Campus which caters the budding entrepreneurs and direct them in right direction.

Organised and hosted “The Wolf of WallStreet”, in first semester of Academic Year 2014-2015 independently has saw an over whelming response with around 100 team registrations. The event was held from November 3 to November 26, 2014 in 2 rounds. Round 1 was based on Stock-exchange where every team was provided with \$100,000 virtual cash and time of 1 week to test their skills in actual U.S. stock-market. Qualifying teams from Round 1 were invited to Round 2 on Nov 26. Round 2 was based on Market-Investment in which teams were allowed to invest in various on-going projects in real world with simulated results. Prize money of AED 100, 60 and 40 was given to winner, runner-up and second runner-up respectively. AED 50 was also given out to Best performing team in Round 1

(ii) Club Activity:**Emirates Environmental Group Public Speaking Competition**

Inter college competition took place on 27 Nov by the emirates environmental group, UAE.

This year the participants were Sagar Walia, Devanshi Chauhan, Aishwarya Iyer, Rutuja Jadhav and Aastha Bhardwaj.

The college secured the 7th position overall.

Intra-collegiate Debate

Intra College debate event held on the 30th of November.

The Winner of the first debate were the 3rd years and the winners of the second debate were the 4th years. The 3rd years emerged victorious in the final debate.

Abhirami Iyer from the 1st year won the position of best speaker.

(iii) In-house publications:

- a) Two issues of the in-house publications of Dubai Campus were released during the year :
 - i. @bitsdubai (Institute's newsletter) - Volume 11 Issue 1 (2013-2014)
 - ii. @bitsdubai (Institute's newsletter) - Volume 11 Issue 2 (2013-2014)
 - iii. Perspectives@bitsdubai (Institute's journal) - Volume 3 Issue 1 (2013-2014)

B4.15 DIVISION/ UNIT/ CENTERWISE ACTIVITY HIGHLIGHTS**B4.15.1 Academic Research Division****Recommended for the Award of Ph.D. Degree:**

S. No.	Name	Title
1	K. Jeyalatha	Design, Analysis and Implementation of Algorithms for Web Mining Support Functions
2.	J. Alamelumangai	Design and Implementation of Algorithms for Improving Subject Based Classification of Web Page and Medical Image Data

Ph.D. Thesis Submitted and Under Process of Evaluation:

S. No.	Name	Title
1	Aqila Begum	A study of comparative growth and performance of Islamic banking and finance and conventional banking in the United Arab Emirates

Research Contributions through Higher Degree Dissertations:

A total of 39 M.E. and M.B.A. Dissertation Projects were carried out over a period from January 2014 to December 2014 by a total of 39 students; of which 1 student was from 2011-12 admitted batch while remaining 38 students were from batch admitted during the Academic Year 2012-13 The list is given in Annexure B4-13.

Research Contributions through First Degree Theses:

A total of 31 students completed their first-degree theses during both the semesters of the calendar year 2014. Besides faculty members of the Institute, scientists from R & D labs and other professionals also supervise the thesis work. The complete list is given in Annexure B4-14.

Research Publications by Faculty, Staff and Students:

There were a total of 117 contributions which include 37 in various international Journals and 80 in various Conferences. The complete list of research contributions made by the faculty, staff and students is given in Annexures B4-11 and B4-12.

Some Noteworthy Achievements:

1. On November 26th, 2014, a Memorandum of Understanding (MoU) for collaboration between AMSA Renal Care and BPDC was signed with an aim to promote sponsored R&D activities & sharing of technical information between both the organizations.
2. The "Smart City" (a TECOM subsidiary) representatives, Dr. Bajju, Mr. Thomas and Mr. Shadi Khoja have visited BITS Pilani, Dubai campus on 21st Oct 2014. HoDs and faculty members have attended the presentations. Discussions are underway to initiate collaboration with Smart City in the following areas: Conducting a Competition on Innovative ideas with engineering students of India, UAE and Malta followed by a grand finale. Ideas on what should be covered under SMART CITY, Conference on SMART CITY, Joining and supporting Smart City for Madhya Pradesh Project, Deciding some areas of Research and Development, Creation of Smart Lab at BITS Pilani Dubai Campus, Signing an MoU. A team of BITS Pilani, Dubai Campus has been constituted: Dr Anand Kumar (Convener), Dr Jagadish Nayak, Dr Santhosh Kumar and Dr Trupti Gokhale as the members of the team. The team will look after the planning and website design for conducting the students' competition. A draft MOU has been prepared for further plan of action.
3. BITS Pilani, Dubai campus became a scientific partner with the First Middle East Molecular Biology Congress & Exhibition during 14-17th September 2014, other notable partners being KAUST, Saudi Arabia, DUBIOTECH, UAE Genetic Diseases Association, Federation of Arab Scientific Research Council,

University of Sharjah, University of Hong Kong to name a few. BITS Pilani was provided with free space for showcasing the campus activities.

4. CISCO has setup a Networking Lab at BPDC to work in the following areas: Software Defined Networks & Application Centric Infrastructure. Training for Certification Courses for DELL and CISCO are being planned. Dr. Madijagan is the Lead faculty for research and training collaborations with DELL, Middle East and CISCO, Middle East, since I semester 2014-15.
5. Faculty members from the Department of Computer Science Engineering collaborated with ESRI, (ESRI is the world leader in Geographical information systems), Sharjah, to work on the following research projects:
 - a) Hadoop based distributed processing for ARCGIS server and ArcGIS desktop: Dr S. Vadivel and Dr. Sujala D Shetty.
 - b) Image search based on meta data and feature selection: Dr. Jagadish Nayak and Dr. B. Vijayakumar.
6. Seba Sara Varghese, a full time PhD student under the supervision of Dr. S Swaminathan and Dr. K.K. Singh has been allowed by Petroleum Institute, Abu Dhabi, to carry out experimental work for her research as a visiting researcher during the I Semester 2014-15 with financial support of AED 5000 per month.
7. Anomitra Banerjee, a junior mechanical engineering student from ASME BITS Pilani, Dubai Campus Student Section, UAE represented District J in the finals of Old Guard Oral Presentation Competition at The International Mechanical Engineering Congress and Exposition 2014 (Montreal, Canada). He went into the history books of ASME as the first Indian and the first student from District J (Middle East and Africa) to win this competition while competing against 14 other competitors from Peru, Mexico, Pakistan, China, France, England, USA and Canada.
8. Tessa Ann John, Vidya Janarshan and Pranav Menon under the supervision of Dr. R.Udayakumar have won the prestigious, Best idea prize at Engineering Student Renewable Energy Competition conducted by the UAE University in which around twenty top universities took part in the year 2014. The title of the project "Development of a solar mobile charger from the sunshade of the passenger cars and a novel way of utilizing heat in the engine exhaust".
9. Three International conferences were organized at BITS Pilani, Dubai campus during the year 2013-2014:
 - I. During 10-11 March 2014, 4th Annual International Conference on Advances in Biotechnology (BIOTECH 2014) was jointly organized by Department of Biotechnology BITS Pilani Dubai Campus & GSTF (Global Science and Technology Forum). Dr. Neeru Sood was the local chair for the conference. Other organizing Team Members for the conference were Dr. D.J. Shariff, Dr. S. Ramachandran and Dr. Trupti Gokhale.
 - II. In the month of October between, 29-30th another conference, International Conference in Biotechnology and Bioengineering-2014 (ICBB2014) was jointly organized by Department of Biotechnology BITS Pilani Dubai Campus, Microbiologist Society and Babasaheb Ambedkar University, Aurangabad, India. Dr. Neeru Sood was the Joint convener (local organizing secretary) of the conference with Dr. A.M. Deshmukh from the Microbiologist Society. While Dr. Trupti Gokhale, Dr. D.J. Shariff, Dr. S. Ramachandran, Dr. Prakash Kumar, Dr. B.B. Gulyani and Dr. Santhosh Kumar were the organizing committee members.
 - III. The International Conference on Secure Knowledge Management in Bigdata Era (SKM 2014) was held during December 8-9, 2014, at BITS Pilani, Dubai campus. The conference was organized by BITS Pilani, Dubai campus, SUNY, Buffalo, and Abu Dhabi Polytechnic, UAE. Prof. Nasir Memon, Department Head, and the Director of Information Systems and Internet Security (ISIS) laboratory at NYU, USA, was the General Chair, and Prof. Vadivel, BITS Pilani, Dubai campus being the Local Arrangement Chair of the conference SKM 2014.
10. To appraise themselves about BITS Pilani-Dubai campus, interact with faculty, staff & students and/or to collaborate with the Institute, the following were among the notable visitors to BITS Pilani, Dubai Campus (pl. see annexure B4.10 for list of those who not only visited but also delivered invited talks at Dubai Campus):
 - I. BITS Alumnus, Mr. D.S. Jain, Former Deputy Director and Project Director, NRSC Indian Space Research Organization (ISRO), Hyderabad, India visited BITS Pilani, Dubai campus.
 - II. Distinguished BITS Alumnus Awardee, Prof. Anil Pahwa, Electrical and Computer Engineering Department, College of Engineering, Kansas State University, USA has visited BITS Pilani, Dubai campus on 6th Sep 2014.
 - III. Prof. Suresh Bhargava, Deputy Pro Vice-Chancellor (Int)-College of Science, Engineering and Health and Director - Centre of Advanced Materials & Industrial Chemistry, School of Applied Sciences, RMIT University, Melbourne, Australia visited the campus on 23 and 24 November, 2014. Prof. Suresh Bhargava interacted with students and faculty members. A proposal is being prepared

to submit for the "Endeavor fellowship" from the Australian government for the scholars to potentially spend six months at RMIT working with electrochemistry experts in Prof. Bhargava's research team.

- IV. Mr. K.S. Babu, Head-Regulatory Affairs, Hospira Healthcare India Pvt Ltd, visited BITS Pilani, Dubai campus on 24th Nov 2014. Openings for Practice School II and consultancy research projects with department of biotechnology faculty members were discussed.
 - V. Prof. Stephen Lu, visited BITS Pilani, Dubai campus with students and faculty from USC and Aachen University. Prof. Lu is the Director of the Viterbi iPodia Program. He is jointly teaching the course BITS F419 Management of Cross Cultural Engineering Teams at BITS Pilani, Dubai and Hyderabad Campuses, Qatar University, Aachen University (Germany) and at his own USC. Prof. Lu gave a seminar on "Classrooms without Borders", and interacted with faculty and students on 4 Dec, 2014.
 - VI. Mrs. Setta Tutundjian, Director, International Cooperation and Partnerships (ICAP) visited BITS Pilani, Dubai campus. Mrs. Setta Discussed on involvement of students from computer science and electrical and communications science department to work on the projects in partnerships and knowledge management (PKM) division of ICBA towards PS-II.
11. During the year 2013-14, 4 students underwent FD Thesis at off-campus locations:
- I. Ms. P. Rangapriya and Ms. Shruthi Vellingiri at Ingenieurbuero GbR, Germany with a stipend of 500EUROS
 - II. Ms. Shwetha Narasimhan TIFR Mumbai.
 - III. Mr. Varun Dubey at IIT, Delhi.
12. The following faculty, research scholars and students have received honors:
- I. Dr. Trupti Gokhale received the best oral presentation award with a cash prize of Rs. 5000/- at the 3rd Global Sustainable Biotech Congress 2014 (GSBC 2014), 1-5th December 2014, Jalgaon, India.
 - II. Dr. Neeru Sood was honored to be on the International Advisory board for the 3rd Global Sustainable Biotech Congress 2014, 1-5th December 2014, Jalgaon, India.
 - III. Dr. Neeru Sood and Dr. Trupti Gokhale were invited as judge for the 3rd 'International Conference on Renewable Energy: Generation and Applications' (ICREGA'14), 2-5 March 2014 at UAE University, Al Ain, UAE.
 - IV. Dr. Neeru Sood evaluated oral presentation at the 3rd Global Sustainable Biotech Congress 2014 (GSBC 2014), 1-5th December 2014, Jalgaon, India.
 - V. Dr. B G Prakash Kumar acted as an international advisory committee member for International Conference on Green Technologies for Environmental Pollution Control and Prevention, 27-29th Sept 2014, National Institute of Technology Tiruchirappalli, India.
 - VI. Dr. S.Swaminathan, was a Keynote Speaker and Guest of Honor at the International Conference on Emerging Trends in Instrumentation, Communication, Electrical & Electronics Engineering (ICE-ICEE, 2014), Indore, India, 23 – 25th Jan 2014. Title of keynote Speech was "From Micro to Nano sensing for Applications in Engineering and Medicine",
 - VII. Akash Hathiramani, Puneet Khirwar, Pranav Mohan, Animesh Bhasin have participated in the 22nd annual ASME Student Design Competition (SDC) Montreal, Canada, 17th November, 2014 and in the SDC, their team have reached to the finals.
 - VIII. Mechathlon was the ASME event for Enginuity'14. The event heads were Mr. Ananth Prem and Avishek Goel. The winners of Mechathlon were:
Mohammed Zulfikar, Omkar Bhandakkar, Satya Kumar Babu Gopi, Syed Zeeshan Ahmed, Nishant Vijay, Yash Pratap Singh, Nabanita De, Ayush Gulati, Yash Kalia.
 - IX. Team black hawks will be participating in an ASME competition. Human Powered Vehicle Challenge (HPVC) with support from the ASME BPDC Student Section. HPVC provides an opportunity for students to demonstrate the application of sound engineering design principles in the development of Sustainable transportation alternatives.
 - X. Dr. R.Udayakumar reviewed papers for the Proceedings of the National Academy of Sciences, Physical Sciences, NASA, Springer Journal.
 - XI. Ms. Salma Sheriff & Ms. S. Rajeswari Research Scholars participated in a workshop on Molecular Techniques Cell to DNA (MTCD-2014) organized by Biological Sciences group, BITS Pilani, Pilani Campus, 10-12 April 2014 to enhance their knowledge and gain hands on experience in molecular biology lab techniques as part of the staff development.
13. BITS Pilani Dubai campus library have subscribed the following:

- I. ProQuest SciTech Collection (SCITECHFT): ProQuest is a database with current and back issues of around 7800 Journals and covers the subject areas such as Science & Technology, Business, Health & Medicine, Dissertations & Theses, Literature & Language, Social Science and Arts.
- II. Ebrary Academic Complete: An instant access to more than 116,000 e-books titles (full Text). It covers all subject areas including Science, Technology, Accounting, Business, Education, Literature, etc. Majority of titles are published in 2004 and later.
14. Software Tools installed/ Significant new equipments/experimental facility added during the year:
- SPSS software, ASPEN ONE university software package, Wind tunnel, Exhaust gas analyzer, Impact strength tester, Image analyzer, Up- gradation of ANSYS, & CATIA licenses Shimadzu weighing balance, (AUW- 220D), Bench top pH meters, Bench top conductivity meter, Infrared temperature measurement, Lux meter were installed and training programs conducted for faculty and students.
15. For the forthcoming Student Day in 2015, the project proposed by BITS Pilani, Dubai Campus entitled "Emergency Healthcare Response System" was selected out of multiple proposals. BITS Pilani, Dubai Campus and Ajman University of Science and Technology have jointly defined the specifications for this Software Engineering Project (SEP). SEP is one of three types of projects that students from universities around the UAE participate in.
16. As part of the class work, apart from Dubai Campus faculty, the Higher Degree Students of MBA Programme had lecture sessions by Professors from the University of Dubai, UAE as part of Academic Consortium collaboration during the calendar year 2014.
17. Dr. A. Srinivasa Rao, Head, Department of Humanities and Social Sciences, had delivered lecture sessions at University of Dubai during the calendar year 2014.
18. The following students and research scholars have secured the positions in the conferences / workshops:

Research scholars/ students	Conference	Position secured / Prizes won
Ms. S. Rajeswari	4 th Annual International Conference on Advances in Biotechnology (BIOTECH 2014), 10-11 th March 2014, Dubai, UAE.	Best paper award
Ms. Salma Sheriff	International Conference on Biotechnology and Bioengineering-2014 (ICBB 2014), 29-30 th October 2014, Dubai, UAE.	Best oral presentation award
Ms. S. Rajeswari	MTCD-2014 workshop at BITS Pilani, Pilani Campus, India.	Best participant's award
Ms. Shristi Singh	International Conference on Biotechnology and Bioengineering-2014 (ICBB 2014), 29-30 th October 2014, Dubai, UAE.	Best oral presentation award
Ms. Gayathri Ganesh	International Conference on Biotechnology and Bioengineering-2014 (ICBB 2014), 29-30 th October 2014, Dubai, UAE.	Best oral presentation award
Ms. Nirupama Dixit	International Conference on Biotechnology and Bioengineering-2014 (ICBB 2014), 29-30 th October 2014, Dubai, UAE.	Best poster presentation award
Ms. Suchita Gera	International Conference on Emerging Trends In Biotechnology, Jawaharlal Nehru University, New Delhi.	Best poster award

Consultancy:

The faculty members, Dr.R. Karthikeyan, Dr. Udayakumar, Dr. Surendra Kumar and Dr. C. Perisamy, from the Department of Mechanical Engineering have completed a consultancy project on Redesigning of cable pulling wrench for Elfit Arabia, Ajman, UAE, with sanctioned amount of AED 30000.

B4. 15.2 Professional Body Activities

IEEE Student Branch:

There were 148 student members that have registered with IEEE Student Branch in the year 2014. Several events were organized in this year. Some of these events are:

- i. WETEX 2014, UAE volunteering, April 14-16, 2014
- ii. Talk on Nanotechnology and Nanomedicine, March 2014
- iii. Participation in IEEE UAE Student Day, May 10, 2014.

- iv. Participation in 5th Engineering Student Renewable Energy Competition at UAEU (ESREC'2014) on May 3, 2014.
- v. Participation in IEEE XTreme Programming 8.0 (October 18, 2014): 19 teams and 57 students registered for this 24 hour event. The 18 teams took all but two places in the top 10 rankings in UAE and were all in the top 28 in UAE out of 1720 teams globally. The team AmAyRi was placed first within the 18 teams from BPDC, second nationally, 138 in Region 8 and 323 globally. In all, 3 teams from BPDC were placed in the top 500 globally and 7 were in the top 1000 globally.
- vi. Participation in IEEE Student Paper Contest (internal competition and submission to IEEE R8: December 15, 2014).

ASME Student Branch:

- i. ASME BPDC Student Chapter Website Launch: The ASME BPDC student chapter launched its official website on March 13, 2014. The event was inaugurated by Prof. R. K. Mittal, Former-Director, BPDC and was presided by the mechanical faculty, staff and the ASME core committee members. Radhika Kapoor, former Vice Chairperson, ASME, also graced the event with her presence. The website was prepared by Gaurav Madan and Vishnu Pradeep. The website is an important milestone for the ASME BPDC chapter in its effort to create a portal where the students, faculty and the alumni can network. It has paved the way for a centralized system where all the data available is exclusive to the college thereby making it easier for both the students and the staff.
- ii. MECHATHLON: The ASME event for Engineering'14 on March 31, 2014.
- iii. Paintball event at Pursuit Games in Jebel Ali, Dubai on April 5, 2014:
- iv. An educational trip to Masdar City, world's largest sustainable city to visit the various hi-tech research labs in the Masdar Institute.
- v. Membership Drive 2014 for the freshers of 2014: More than 200 students from the first year registered for ASME membership.
- vi. Mobile Autonomous Robotics Workshop: ASME BITS Pilani, Dubai Campus, UAE Student Section, organized the Mobile Autonomous Robotics Workshop, conducted by the Robotech Labs, India. The workshop was certified by RCSA Canada and Techfest, IIT-Bombay, India. Mr. Vaibhav Aggarwal, Founder of Robotech Labs, hosted the workshop, which was conducted during November 20- 22, 2014. It saw a participation of more than 100 students including participants from nearby universities like AMITY and Heriot-Watt University. The workshop taught the fundamentals of designing and building autonomous robots by integration with a microcontroller. It also focused on conceptualization and designing of complex systems related to embedded systems, artificial intelligence and automation. The theory session was followed by proper hands on session with the use of kits so that the students can also grasp the practical aspects of robotics. The workshop concluded with the students designing wall, edge, line follower and obstacle avoider robots.

ACM Student Chapter

ACM BPDC student chapter conducted the following amazing events in the campus and this helped the student chapter grow and reach out to like-minded students.

- i. Paradox Blogging: This was the first event conducted by the team on September 27, 2014 that focused on creativity, time efficiency and blogging skills of the participants.
- ii. CodeSprint: This event aimed at finding the best programming geeks in the campus and saw an overwhelming participation by around 30 teams with each team of 2 participants.
- iii. Code Relay, Les Quizerables in TechnoFest

Microsoft Tech club

The Club organized events namely: Frynapse (on April 1, 2014 and December 9, 2014), Spark (on April 3, 2014), Brain Fuse (during October 4-8, 2014). Weekly Developer Sessions and Weekly WebDev Sessions were organized in months of October, November and December. For event University Roadshow on September 28, 2014, the club invited the Audience Marketing Manager of the Developer Experience (DX) Team of Microsoft Gulf. For a special guest session on App Development, Mr. Zubair Ahmed, founder of Cubicflux to delivered a session on using the Microsoft Kinect V2 sensor for Windows in App Development on December 2, 2014.

Linux Users Group (LUG)

The Linux Users group actively organized and collaborated with other clubs and associations. The registrations were free and open to all BPDC students. Series of Presentations were held during 2014 covering the topics UBUNTU LINUX Installation and Configuration, Benefits of Open Source Software, Installation and Demonstration for INKSCAPE and GIMP Software Tools under LINUX. Our Core members

took active part in Organizing Committee for ENGINUITY 2014 and TECHNOFEST 2014 involving Programming and Debugging Events.

B4.15.3 Center for Entrepreneurial Leadership (CEL):

CEL at Dubai campus was established in 2012 by its founding president Mr. Deepan Kishore Kumar and Dr. A. Srinivasa Rao, Associate Professor, Management, as the Faculty In-Charge. CEL has grown ever since and currently has over 300 members. Under the current leadership of Nitin Bhalla (CEO), the center has organised various Talk Sessions, hosted multiple events, introduced a course, etc.

(i) Activities of CEL for 2014 are as follows:

1. Following are the Interactive Sessions organized by CEL:
 - On 11th March 2014, A Talk & Interactive session on “Strengths Based Leadership” by Mr. Y.C. Roy, Learning & Organisational Development Leader Strategic Outsourcing-Delivery, IBM.
 - On 14th April 2014, A Talk & Interactive session on “Business Planning & Strategies” by Mr. T. P. Anand, Managing Consultant, Motivaluate Consulting & Training LLC.
 - On 7th May 2014, a talk and interactive session on “What lies beneath the clouds” was conducted by Mr. Mahesh Jaishankar, Vice President of Datamena and Broadcasting at du, organized by CEL, BPDC.
 - On 16th September 2014, A talk & interactive session on “Business Plan & Its Components” by Mr. Rakesh Pardasani, Partner at RSM Dahman.
 - On 25th September 2014, A lecture session on "Business Plan Competition and TiECon" was held by Ms. Miel Barrios-Severinova, Manager, TiE Dubai.
 - On 7th October 2104, A Talk and Interactive session on "The Entrepreneurial Journey" was by Mr. Ashish Patel, CEO, Euphoria Ventures.
 - On 2nd November 2014, A Talk and Interactive session on “Finance, Venture Capital & Fund Raising” was by Mr. Nisarg Dugad, Managing Partner, Nimai Management Consultants.
 - On 11th November 2014, An Introduction Session for “Chartered Institute of Management Accountant (CIMA)”.
 - On 26th November 2014, Talk and interaction session on "How to set up Business in U.A.E. - Legal Aspects" by Mr. Mohsin Ali and Mr. Zubair Kazmi, ADAM Global.
2. Mantra Awards 2014 at Dubai Campus : 5 winners have been announced
3. Drafted Bylaws for better functioning of CEL.
4. Developed its own website (<http://celbpdc.org>)
5. Organised business events “The Wolf of WallStreet” in ENGINuity’14, the inter-university event hosted by BITS Pilani, Dubai Campus. “The Wolf of WallStreet” is a finance event based on stock-market and market investment. The event received over 70 team registration from 6 different colleges. March 34 - April 3, 2014.
6. Introduced “New Venture Creation (NVC)” course to Dubai Campus which caters the budding entrepreneurs and direct them in right direction.

Organised and hosted “The Wolf of WallStreet”, in first semester of Academic Year 2014-2015 independently has saw an over whelming response with around 100 team registrations. The event was held from November 3 to November 26, 2014 in 2 rounds. Round 1 was based on Stock-exchange where every team was provided with \$100,000 virtual cash and time of 1 week to test their skills in actual U.S. stock-market. Qualifying teams from Round 1 were invited to Round 2 on Nov 26. Round 2 was based on Market-Investment in which teams were allowed to invest in various on-going projects in real world with simulated results. Prize money of AED 100, 60 and 40 was given to winner, runner-up and second runner-up respectively. AED 50 was also given out to Best performing team in Round 1

B4.15.4 PRACTICE SCHOOL

Practice School Programme

All first degree students have the option of Practice School. PS-II was conducted at 42 stations with 141 students and 42 faculty during February – June 2014 and at 47 stations with 152 students and 45 faculty during August 2014 -January 2015. PS-I was conducted at 99 stations with 369 students and 26 faculty during June - August 2014.

Categorization of PS stations is given below:

S. No.	Category of Organizations	No. of Organizations	
		PS-II	PS-I
1.	Banks & other financial Institutions.	00	02
2.	Design, Development, Consultancy and Software Organization.	21	27
3	Trading	06	07
4	Production, Manufacturing and Maintenance	35	57
5	Other	01	06
	Total	63	99

With the present annual PS intake of 660 students, the PS programme covers almost entire eligible student population of the Institute. The statistical details of the distribution of students and faculty at PS-I stations are given in Annexure B4-15 followed by the details of the Statistics of PS-II given in Annexure B4-16. The Growth statistics of PS-I, PS-II are given in Annexure B4-17, while facilities available at various PS-II stations are given in Annexure B4-18. The growth of PS stations is depicted in the graph 1.

Following is the breakup of students who were registered in PS-I, PS-II.

PS-I	Summer Term 2014	369
PS-II	II Semester 2013-2014	141
PS-II	I Semester 2014-2015	152
Total		<u>662</u>

PS-II Assignments: Institute's Contribution to Industrial Development

Apart from developing skills in Professional judgement, data-handling, documentation, decision making ability etc. in students, the PS-II assignments also relate to real life problems of the host organisation. PS-II assignments listed in Annexure B4-19 were completed by the students at their respective PS-II stations during the year 2014.

These assignments have been implemented to fulfil the ongoing production, modernization, design, development and research needs of the participating industries; thus, directly contributing to the requirements of industrial R & D.

Stipend

In appreciation of the contribution made by our students towards the professional wellbeing of the organization, a stipend / out of pocket allowance is paid to the students by the organizations. In addition, other facilities like accommodation, subsidized lunch, transportation, insurance, TA & DA, foreign travel expenses are also provided by some of the organizations.

During the year under review, the PS activities grew further with the some new PS II stations (Table1).

Graph 1

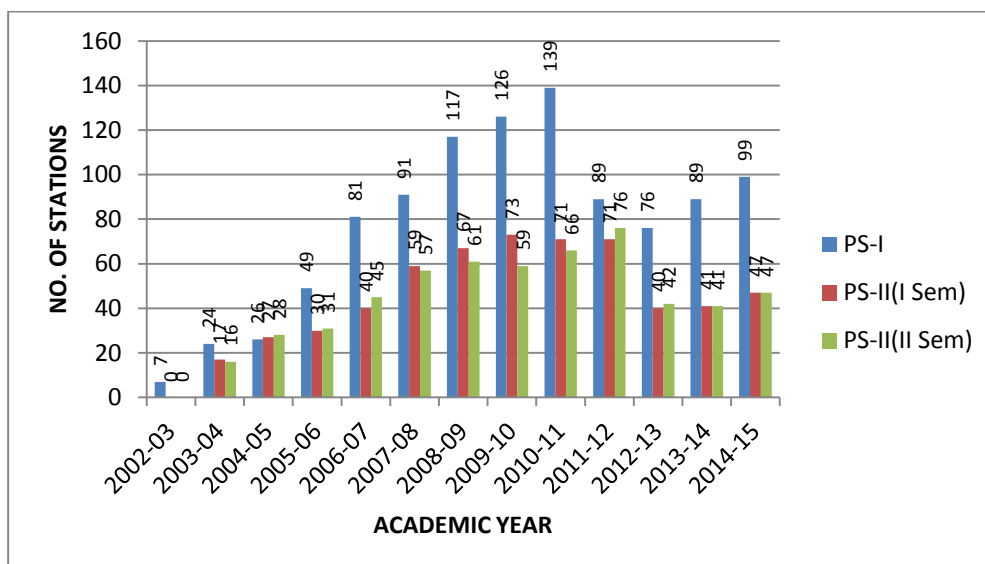


Table1 PS-II Stations Added during the year 2014

S. No.	Name of the PSII Station	Out of pocket allowance in AED & Others Facilities
1	Genesis Oil	1500
2	Technip	1500
3	Lavish Livings International FZC	1500
4	Al Abbas Group	1500
5	Azbil Corporation	1500
6	Caparo ME	1000
7	DIA LLC	1500
8	DODSAL Engg.	1500
9	Intercoil	2000
10	KPTAC	1200
11	Prismatic	500
12	Proserv	2000
13	Protiviti Member Firm (Middle East) Ltd	2000
14	Redcube Systems LLC	1000
15	Scientechinc	2000
16	Seven Seas Computer LLC	1000
17	Corrossion Technology Services	2000

B4.16 CENTRAL FACILITIES

(i) Central Library

BITS Pilani, Dubai Campus Library, a gateway to knowledge resources, is located in a separate building with two floors and area of about 14,840 sq. ft. It has a contemporary design with reading halls, reference section, stacking area, faculty lounge and digital library with 25 computers, internet browsing centre with 25 computers, 50 individual study carrels, and exclusive 10 (ground and first floors) systems for OPAC. The computers have been replaced with higher configuration for the students in the Library. It has a seating capacity of more than 300.

The Library remains open from 7.30 AM to 10.00 PM on all working days and 10.00 AM to 10.00 PM on Saturdays. The Library service is extended till Midnight during comprehensive examinations. The Library is open on Fridays for 2 hours and closed on national holidays.

The RFID security system has been implemented successfully during the mid of 2014. The Library is also completely automated using the AUTOLIB Library Management Software and all the resources are bar-coded for quick and easy service to the user community. The Online Public Access Catalogue (OPAC) is accessible across the campus and users can search the resources and check their account.

The mission of the Library is: to collect, organize, preserve and provide access to the information necessary for the institute, to achieve its educational, research and service goals; to improve and enhance access to information in all forms, using innovative technology thereby having a broad based collection, to assist in meeting the needs of students, faculty and staff.

The Library renders standard services such as borrowing / lending, reference, referral services, etc. Library provides photocopy, scanning, printing and binding facilities to the patrons.

Acquisition Section

- a) At present, the library has a collection of around 16,900 books. The collection of the library is growing continuously on a regular basis. Around 1,300 new volumes of books were added to the existing collection during the year in major disciplines of engineering and sciences. The new titles include emerging areas like Communication Engineering, Nanotechnology, Artificial Intelligence, Biochemical Engineering, Bioinformatics, Software Engineering, Robotics, Energy Engineering, Data and Web Mining, Business and Management. The Library procures good number of Fictions and General Aptitude books such as TOEFL, GRE, SAT, IELTS. Books on Islam and Arabic are also added every year.

E-resources

- a) The Library caters the users' needs with the subscription of following E-resources: IEL Online" IEEE Xplore Digital Library, American Society of Mechanical Engineers (ASME) digital collections, ACM Digital Library, ProQuest SciTech Collections and eBrary e-books. The e-resources has full text of abundant e-journals with back issues, conference proceedings, e-books and reports.
- b) The Library has digitized the question papers of all examinations since 2003 and these are available at library portal through on-campus (<http://bitslib/lib/quest.htm>) and off-campus (<http://library.bits-dubai.ac.ae/lib/quest.htm>)
- c) The Library subscribes to e-papers of "The Times of India", "The Economic Times" and "The Hindu".
- d) The Library holds 4000 free e-books.

Reference Section

- a) The Library procured latest editions of Encyclopedias, Dictionaries and Hand books on core disciplines of Engineering, Technology, General Sciences and General Knowledge.
- b) The Library subscribes to print version of 23 international journals, 32 magazines and 4 local newspapers.
- c) The Library has back volumes of about 340 journals which were subscribed since the inception of Dubai Campus.
- d) Library has more than 1300 CD-ROMs on engineering courses and there are 5 computer terminals exclusively meant for the accessing these.
- e) Library has around 200 thesis reports 1800 practice school and project reports submitted by students are available for reference.
- f) Library has 200 EDD notes which were prepared and published by Education Development Division (EDD) from BITS Pilani, India.
- g) The Library has separate collection of Text Books under Book Bank scheme for the benefit of the students.
- h) The Library has an MOU with the Al Ain University of Science and Technology in UAE for the mutual benefit of both the institutions to facilitate the users to avail Inter Library Loan (ILL) of resources.

Other Services

- a) The Library has Wi-Fi facility within the library which enables the users to use their laptops for internet browsing / project / thesis work.
- b) The Library provides Selective Dissemination of Information (SDI), Current Awareness Services (CAS), Conference Alert Service and Latest arrival service to the Faculty, Staff and Students.
- c) Useful articles, news, newspapers clippings related to education are being displayed on the library notice board for the benefit of students and faculty.

Facts about the Library

The library collection has grown steadily. Some of the significant statistical data about the library are as follows:

Sl. No.	Items	Total
1	Number of books	16,900
2	Average number of books circulated per day	125
3	Books added during last academic year (1 st Sep 2013- 31 st Aug 2014)	1370
4	Number of print periodicals subscribed	55
5	Online Databases made available on library site	5
6	CD-ROM collection	1300
7	Total no of back volumes of journals	340

Library Staff Achievements:

1. K N Sheshadri awarded PhD for thesis titled "Networking of Technical Libraries in United Arab Emirates: A Consortium Model" from Mangalore University, Karnataka, India in Feb 2014.
2. K N Sheshadri attended the American Library Association International conference held at Sharjah International Book Fair, Expo Centre, Sharjah, UAE on 11-13th November 2014.
3. R Sivakumar attended the American Library Association International conference held at Sharjah International Book Fair, Expo Centre, Sharjah, UAE on 11-13th November 2014.
4. K Jayachandran attended the American Library Association International conference held at Sharjah International Book Fair, Expo Centre, Sharjah, UAE on 11-13th November 2014.
5. All the Library Staff underwent on-site project training during the RFID security system implementation.

(ii) Infrastructure and Facilities

The campus has world-class, state-of-the-art facilities with well-equipped labs and workshops, separate Library block, Academic Block, Sports Complex, Canteen, Clinic, Gymnasium, etc. The Campus has hostel facility for boy and girl students with single occupancy, centrally air-conditioned furnished rooms and a full-fledged mess which serves both vegetarian and non-vegetarian food.

(iii) Laboratories

The Institution's laboratories are of international standards and they have grown from 2 to 30 in the last 14 years, each well-equipped with the latest equipment and machines. The following table gives the discipline wise details of various laboratories:

S. No	Discipline	Laboratory
1.	Biotechnology	Biology Laboratory
2.		Instrumental Methods of Analysis
3.		Genetic Engineering
4.		Microbiology
5.		Industrial Microbiology
6.	Chemical Engineering	Chemical Engineering I
7.		Chemical Engineering II
8.	Chemistry	Chemistry
9.	Computer Science	Computer Programming

S. No	Discipline	Laboratory
10.		Object Oriented Programming
11.		Computer Architectures
12.		Microprocessors Programming & Interfacing
13.	Electrical and Electronics	Electro Mechanical Energy Conversion
14.		Digital Electronics And Computer Organization
15.		Analog Electronics
16.		Communication Systems
17.		Digital Signal Processing
18.		Power Electronics
19.		Introduction to MEMS
20.	Electronics and Instrumentation	Process Control
21.		Electronic Instruments & Instrumentation Technology
22.		Virtual Instrumentation
23.	Mechanical	Workshop Practice
24.		Prime Movers And Fluid Machines
25.		Engineering Graphics
26.		Production Techniques
27.		Computer Aided Design
28.		Heat Transfer
29.		Mechanical Engineering
30.	Physics	Physics

(iv) Engineering Services

(a) Communication and allied facilities

The following facilities are available for the benefit of students and staff:

1. Telephones

The Panasonic EPABX System TDA 600 is equipped with 640 Extensions and maximum 64 trunk lines, among them 140 extensions and 20 trunk lines are in use and Dialguard V.2.0 (Call Logging & Accounting Software) is being used to monitor and control telephone calls based on extensions.

2. Fax

Separate Fax Machines are available in Boys Hostel and Girls Hostels. Fax Machines are also available in the Director's Office, Admissions, Administration, Accounts and Facilities Department.

3. Internet and Email

Presently the institute has 50 Mbps shared internet leased line connectivity through DU (Service provider) for Email and Internet Facilities. Facilities available through this are Electronic Mail, Remote Login and Internet Browsing. Email and Internet Browsing is made available to all the Faculty and Staff. Admission data has been made available on internet. SISCO Telepresence system for meeting rooms and class rooms - work under progress. IT Infra structure wire and wire-less project for campus as well as hostel installation is under progress.

4. Campus Network

The computing facilities across the Institute are given Annexure B4-20. The central facilities in the server room are

.No.	Hardware Equipment	QTY	SOFTWARE
1	Intel Xeon Quad Core E5310 1.60Ghz/1066 Mhz,8MB,IBM 146Gb SFF Non Hot Swap 10K SAS HDD,2Gb(2X1Gb) PC2-5300 667 MHz ECC Chipkill DDR2,Qlogic 4Gb SFF Fibre Channel Expansion Card for IBM eServer Blade Center	2	Windows Server 2003 R2-Enterprise x64 edition, Domain Controller, Windows Server 2008 – Web Server Backup
2	Intel Xeon Quad Core E5310 1.60Ghz/1066 Mhz,8MB L2,2X1GB Chipkill, O/Bay SAS,2Gb(2X2Gb) PC2-5300 667 MHz ECC Chipkill DDR2,IBM 146Gb SFF Non Hot Swap 10K SAS HDD FBDIMM,4gb SFF Fibre Channel Expansion card for IBM eServer Bladecenter	3	Windows Server 2003 R2-Enterprise x64 edition, Microsoft Exchange 2007 (HT,CA and MB)
3	Intel Xeon Quad Core E5420 80W 2.50GHZ/133Mhz/12Mb L2,2X1Gb chk, O/Bay SAS,2Gb(2X1Gb) PC2-5300 667 MHz ECC Chipkill DDR2 FBDIMM,IBM 146Gb SFF Non Hot Swap 10K SAS HDD	3	Windows Server 2003 R2-Enterprise x64 –Spare proxy, Windows Server 2008 Domain Controller, Windows Server 2008 – Exchange 2010
4	Intel Xeon Quad Core E5310 1.60Ghz/1066 Mhz,8MB,IBM 146Gb SFF Non Hot Swap 10K SAS HDD,2Gb(2X1Gb) PC2-5300 667 MHz ECC Chipkill DDR2,Qlogic 4Gb SFF Fibre Channel Expansion Card for IBM eServer Blade Center	1	Windows Server 2008 edition, DNS,DHCP
5	Cyberoam CR500ia	1	Universal Threat Monitoring Software
6	Intel Xeon Quad Core E5310 1.60Ghz/1066 Mhz,8MB,IBM 146Gb SFF Non Hot Swap 10K SAS HDD,2Gb(2X1Gb) PC2-5300 667 MHz ECC Chipkill DDR2,Qlogic 4Gb SFF Fibre Channel Expansion Card for IBM eServer Blade Center	1	Windows Server 2003 R2-Enterprise x64 edition, Mathworks-Matlab
7	3.06Ghz P4Intel Xeon Processor, 2 GB RAM and 80Gb Hard disk	1	Windows Server 2003-Standard Edition, AutoCAD
8	3.05GhzP4 Intel Xeon Processor,1Gb RAM and 80Gb Hard disk	1	Windows Server 2003-Standard Edition, WEB SERVER
9	3.6GhzP4 Intel Processor, 1.72Gb RAM and 80Gb Hard disk	1	Windows Server 2003-Standard Edition, Catia
10	2.40Ghz P4 Intel Xeon Processor, 1Gb RAM and 80Gb Hard disk	1	Windows Server 2003-Standard Edition, Tally
11	Intel Core 2Ghz,1GB Ram,160Gb HDD	2	Windows Server-2003-Enterprise Edition, App Test & Student Projects
12	Panasonic TDA 620	3	
13	Panasonic TDA 600	1	
14	Panasonic TVM 200	1	
15	TALLY SERVER-ACER, Intel Core 2, 2GB, 1 GB RAM, 150 GB Hard Disk	1	Windows Server 2003-Standard, Tally 9.0

B4.17 PROCUREMENT AND MAINTENANCE

Facility Management Department is in-charge of Procurement, Maintenance and modification of the infrastructure and facilities in the campus. Procurement actions are initiated by the FM Department after the approval by the Purchase Committee, with respect to new equipment, spares, consumables, repairs and modifications of the existing equipments. Any modifications to the infrastructure are taken up by FM Department as per the approval of the Director, BITS Pilani, Dubai Campus.

During the year 2014, the following jobs of up-gradation / repairs of the existing facilities were done.

1. Preparation of football ground with landscaping and automatic irrigation system.
2. FAHU chilled water pipe insulation and cladding for Library and Mechanical Block.
3. Conversion of Lighting to LED in Academic block ground floor.
4. Fixing of L Shape brackets in all hostel rooms for extra safety of book selves.

5. Rooms and corridor were painted in B Block Hostel and some rooms and corridor areas of G block during the summer vacation.
6. Landscaping with gravels and plantation in front of D Block Hostel.
7. Procurement of 3 heavy duty washing machines in C Block laundry room.
8. Procurement of 13 sets of racks with 6 levels for accounts department.
9. Construction work of Separate Stair Case for first floor Canteen Building was completed.
10. Procurement of 265 Desktops for various laboratories.
11. Procurement of 30 Laptops for faculty and administrative officers.
12. Procurement of 3 LED Televisions 40".

B4.18 EQUIPMENTS AND ACCESSORIES

A large number of equipments and accessories were purchased for BITS Pilani, Dubai Campus. The list of major equipments is included in the Annexure B4-21.

S. No	Name of Equipment	Used for Courses/Thesis/Dissertation Computational/Administrative Work
1	Torsional Pendulum	PHYSICS LAB
2	Rotational Motions of a rigid body	
3	PCI Add-On Cards 48 lines I/O Card	MICROPROCESSOR LAB
4	16 Channel 8-bit ADC Interface	
5	Stepper Motor Interface with Stepper Motor	
6	Altova XML Spy	CP Lab
7	DSP Starter Kit	DSP Lab
8	CC studio for 6713 DSK	
9	COMSOL Multiphysics	MEMS Lab
10	MEMS Modules	
11	Xilinx Spartan-6 LX45 FPGA	DECO
12	SPARTAN-3AN, USB TO JTAG, STARTER KIT	
13	SPARTAN-3A, LCD, VGA, STARTER KIT	
14	Academic LabVIEW	EIE LAB
15	VASP (Vienna ab initia simulation program) software	HD LAB
16	Trainer Board of MOSFET,BJT & IGBT	POWER ELECTRONICS LAB
17	Three phase PWM based Inverter module	
18	DC Motor Load Test Module	
19	DSP based controller	
20	Three Phase Inductive load Module	
21	Power Electronics Module	
22	Three Phase HV thyristor Control trainer	
23	Three phase VVVF Drive Trainer for squirrel cage induction motor	
24	Wind tunnel	PM FM LAB
25	Image analysis software	PT LAB
26	ANSYS 50 licenses	MECH. DEPT.
27	CATIA 50 licenses	CAD LAB
28	Vapor compression refrigeration test rig	PMFM LAB
29	Gas analyzer for IC engines	
30	Impact strength tester	PT LAB
31	Image analysis system	PT LAB

S. No	Name of Equipment	Used for Courses/Thesis/Dissertation Computational/Administrative Work
33	Vortex Mixer	IMA LAB
34	Analytical Balance	
35	Benchtop pH Meter, Conductivity, Infrared temperature measurement, Lux meter	CHEMICAL ENGINEERING LAB-1
36	Aspentech University Program Licence	
37	SPSS software	General Science

B4.19 STUDENTS ACTIVITIES, ACHIEVEMENTS, SCHOLARSHIPS, CULTURAL AND ACADEMIC FESTIVALS

Student Council

President	Mohamed Atyab
Vice President	Faisal Khan
General Secretary	Akshan Paresh Mehta
Ex Officio Member	Swathi Sampath

DAY SCHOLAR REPRESENTATIVES

1st Year	Shivam Mathur
2nd Year	Rohit Raveendran
3rd Year	Pavit Ramesh
4th Year	Arun Chris

HOSTEL COMMITTEE

Block A	Avdheesh Goel
Block B	Karan Madan
Block C	Vansh Chopra
Block D	Tahseen Khan
Block G	Ranoo Sharma

CLUBS

Dance (GROOVE)	Atulya Rajendran
Art (ARTEX)	Adwitya Agarwal
Social & Environment (MAD AND PEACE)	Aiswarya Iyer
Drama (PARIBHASHA)	Nonidh Yadav
Public Speaking & Literary Club (EXPRESSIONS)	Mir Anwar Ali
Photography (REFLEXIONS)	Vishwajit Pureti
Music (TREBLE)	Sean D'Rosario
Sports	Ashish Gupta

STUDENT ACTIVITIES

BITS Pilani, Dubai Campus encourages student to meet each other in a friendly atmosphere to conduct professional/scientific activities such as institute-wide technical festival, Technofest and also to participate in scientific and professional bodies of international repute such as Student Branch of IEEE, SAE, ASHRAE, Dot-Net, Linux Users Group. There are 9 clubs namely Dance Club, Arts Club, Public Speaking & Literary Club, Music Club, Drama Club, Social & Environment's Club, Photography Club, Sports Club and Astronomy Club. The following were some of the important activities held during the year 2014:

1. **Social & Environment Club:** The club started off by raising awareness for saving water and electricity through the collage making competition. The fundraising activity started very early, on 14 February 2014, when volunteers sold roses and cupcakes to raise funds. A talk was conducted on the 27th of February 2014, on Energy Conservation. The club further raised funds through the Cakes to Pancakes

and milkshakes stall. They also raised awareness for environment on the Earth Day, which included paper bag making competition, a debate, a quiz and a documentary. They also organized a blood donation camp on the 4th May and around 60 units of blood was donated. The funds raised were used to prepare “Bag of Love” for the security guards, the cleaning and maintenance staff. The English classes for the security guards, the cleaning and maintenance staff and the hostel attendants was conducted year round. The Social and Environment Club of BPDC started its activity for the current academic year with DAAN Utsav celebration. Under the umbrella of the DAAN UTSAV “the joy of giving week” (Oct 2nd – Oct 8th 2014) several events were hosted which includes, Dandiya Night, a fundraiser for The Prime Minister Kashmir Relief Fund, the institute clean up drive, a thanks giving day for the supporting staffs, cloth collection drive and a day of interaction with special needs children. The fund raiser was a huge success with closer to 500 people attending the event and generated AED 12,222. The institute cleanup drive had more than 70 students volunteers who collected trash from every nook and cranny of the campus. This helped them to understand the magnitude of waste generated in a day and the kind effort that is required to clean the wastes. Everyone may not have enough love and compassion to give, but everyone will have some used clothes hence through the clothes collection drive used cloths in good conditions were collected and donated to the Red Crescent Society. During the thanks giving lunch, 73 supporting staff members including the cleaning staffs, the security guards and the hostel staffs were provided free lunch. The last event conducted for the Daan utsav was a day with the students of Special Needs Foundation, Karama. BPDC volunteers were given an opportunity to interact with the children and staff from the foundation and they interacted with the special needs children through games, balloon bending, songs and face-painting events. The Pink day, breast cancer awareness campaign and blood donation camp in association with Lathifa Hospital, Dubai was also conducted by the club during this semester.

2. **The Public Speaking and Literary Club:** The club organized three events during JASHN 2014, namely “Devil's Advocate”, which saw a turnout of eight universities and “The BITS Annual Debate Championship”, where a total of seven universities participated all across the UAE. The club also organized “Just A Minute” which was hosted by a major radio personality. During the technical festival of Ingenuity 2014, the club organized three events which again saw a healthy participation from various universities. The club also held the first ever Model United Nations in the university and it was a huge success. The club further organized intra-college activities such as the Inter-year debate and the “Writers’ fest”. The club also sent it's representatives to various universities to participate in their respective events. In the Skyline Debate Championship, the team won the overall runners up and the best opposition team. This feat was matched by another team which won the Declamation contest in the University of Wollongong, Dubai. Also the BITS Debate team was the semi-finalist of the American University of Sharjah Debating Championship. The club also sent a team for the American University of Dubai Debating League and to Masdar University, for their inter-university debate; a team for judging the event and three teams for participation. This year for Technofest 2014, the club organized six events, which was the highest number of events organized by any club. This included a Debate League, Just a Minute and various other events. The second Model United Nations was conducted and the response seen proved that we will be holding another inter-university Model United Nations.
3. **Dance Club:** Dance club won many laurels at various inter university competitions. BPDC team bagged first place in Eastern and Western category at the Inter-university Dance Competition at Jashn’14 organized by BITS Pilani, Dubai Campus They won first place in Western category at Inter university Dance Competition Watt Fest 2014 organized by Heriot Watt Dubai. The Eastern Team won second place at the inter university Dance Competition at Vaudeville’14 organized by IMT, Dubai. The BPDC team staged a guest performance at Horizons’14, organized by Manipal University and gave a special performance at Biotech Conference organized by BITS Pilani, Dubai Campus. Sparks 2014, an intra-college event was held between 22 and 23 October 2014. The dance competition for the fest was divided into 3 categories: Western Group Dance, Eastern Group Dance and Dancing Doubles. The high participation reflected upon how enthusiastic the students of BPDC are. There were 10 teams for the eastern category, 3 for western and 16 for dancing doubles. There were many brilliant performances that left the audience awestruck. The group dances were judged by Apama Suresh Babu and Suraj Prakash, who are alumni of BPDC. The Dancing Doubles was judged by BITS Alumni, Parvati Satyaprakash and Tania Stanley whom too are brilliant dancers and won countless awards for their breathtaking performances. Sparks ’14 was a platform that displayed a colorful pallet of varied performances, where individuals and teams stepped out from the silhouette into the limelight.
4. **Drama Club:** The Drama club, Paribhasha, hosted 4 events in the year 2014. Two events, “Proscenium” and “Impulse” were held during JASHN 2014. In Proscenium teams staged a 20 minute play and impulse had 3 rounds, “Ring zap”, “Pantomime” and “Mad ad”. 4 universities participated in these events and the winner was BPDC. During SPARKS 2014, drama club organized “street play”, Nukkad natak where 3 teams performed on issues like peer pressure, euthanasia and Kashmir crises. Other events like “Impulse” were also held.
5. **Art Club:** The Art Club 'SHADES' held its own event called 'ARTEX' from Nov. 11 to 13, 2014. It included 13 activities and competitions like *Blind Art*, *Face Art*, *Rangoli*, *Henna*, etc. 'Kalakriti' is the exhibition of art work by students and faculty during ARTEX with 10 categories like *Oil Painting*, *Acrylic Painting*,

Pencil Sketching, Best out of Waste etc. SHADES has also organized events like Food Carving competition and The Origami Challenge, during Technofest, Enginuity and Jashn. It also assisted the college events with art work and decorations throughout the year. These events include the Convocation, Technofest, Enginuity, Jashn, Diro's Tea Party, Dandiya Night, etc.

6. **Music Club:** The Music club organized various activities during Jashn 14, Eastern and western solo singing, duet singing and Battle of the bands. With a 140 member strength till date and various new ventures that have been undertaken by the club members, tRebel has only just started to make an impact. Orientation Session happened on 27 September 2014 in G07. "Music Lessons": This was an initiative to encourage an understanding among students that music is not only for those with talent but also for those who enjoy it and would love to learn it. This initiative received a lot of enthusiasm from the members. An Open Day was held on the 1st of October 2014, where anyone interested could register for the program, interact with the tutors who were the students with advanced knowledge on playing the resp. instruments. The classes have been going on consistently throughout the semester, with the student making steady progress. Sparks Music Events happened from 21-22 October 2014, with singing events, instrumental and Battle of the Bands. The Judges for the Singing events were BPDC alumni, Nikitha Swaminathan and Ritu Mathews and for the Battle of the Bands, Tanveer Malhan, Shashank Sripathi and Advait Vaidya. The club participated in Pink Day on 30 October 2014 an event which was organized in association with the Make a Difference Club, they requested members to come forward and perform for raising awareness for such a cause as Breast Cancer. On 5th November 2014, Music club gave 3 performances for the Ethnic Day program.
7. **Sports Club:** The Sports Club at BITS Pilani, Dubai Campus has always tried to promote, develop and improve the quality of sports as well as the facilities involving these sports. In the year 2014, sports club organized the following sports activities:-
 - Inter-Year Boxing Championship and Annual sports day, Inter-Year Prize Distribution Ceremony: On 16th May organized Mega event Boxing Finals followed by sports awards ceremony for the academic year 2013 - 2014. Medals were handed out to the winners of the intra-university sports events including field and track events, cricket, throw-ball, volleyball, football, badminton, chess and table tennis. Director Dr. R.N. Saha presided the ceremony as the chief guest and gave away the prizes.
 - Inter-University Tournaments:
 - 1 November 2014, BITS Pilani, Dubai Campus Football, Cricket, Volleyball, Basketball, Badminton and Athletics (Boys and Girls) teams participated in DIAC Cup Inter University Tournament organized by Dubai International Academic City student hub. BPDC girls Basket Ball, Badminton girls and Athletics teams turned out to be the runner ups for their respective events.
 - March 17-21, 2014, BITS Pilani, Dubai Campus Throwball (Girls), Football, Cricket, Volleyball, Basketball, Badminton, Table Tennis, Squash, Tennis, Swimming and Athletics (Boys and Girls) participated in GMU Sports Festival Inter University Tournament organized by Gulf Medical University and secured first place in Cricket (Boys & Girls), Throw ball (Girls), Badminton (Boys & Girls), Table-tennis (Boys & Girls), Squash (Girls) and Tennis. BPDC teams won the Overall Championship.
 - From April 21-24, 2014, Badminton, Table Tennis, Squash and Tennis (Boys and Girls) participated in AUS Racket Inter University Tournament organized by American University of Sharjah and Secured overall championship.
 - Team Selections for participating in Inter University Tournament:
 - From 5-15 September 2014, Inter Year and college team selection as well as conducted coaching camps for Football, Basketball (Boys & Girls), Volleyball (Boys & Girls), Table Tennis (Boys & Girls), Badminton (Boys & Girls), Throw-ball (Girls) and Chess (Boys & Girls) were held and the team for various inter-university tournaments were made.
 - Athletics Inter-Year: Inter-Year Athletics tournament was held on 14 October 2014 at Dubai Men's College and athletes participated in 100M (boys & girls) 200M (boys & girls) 800m (boys & girls) 1500M (boys & girls) 400M(boys & girls) 4 x 100 M(boys & girls) Long Jump (boys & girls).
 - BITS Sports Festival (BSF) 2014 was also organized by the club.
8. **ENGINuity 2014:** An inter college tech fest was held from 31st of March 2014 to 3rd of April 2014. Various events were conducted by the technical associations and clubs of BITS Pilani Dubai Campus. Paper presentation, model making, coding challenges, Just a Minute, Parliamentary Debate and Business challenges were held as part of Enginuity 2014. Various colleges from across the UAE participated in the tech fest. On the final day of the event an award ceremony was organized to distribute medals and certificates to the winners of the various events.
9. **JASHN 2014:** An Inter college cultural festival 'JASHN 2014' was held during 22-24 April 2014. The various clubs of BITS Pilani, Dubai Campus organized different events during the cultural fest which comprised of dance, drama, music, literary and art events to name a few. Participants included students

from American University of Sharjah, American University of Dubai, BITRAK, Manipal University, Middlesex University, and Canadian University of Dubai, Amity University, IMT and Herriot Watt University. The prize distribution ceremony was held in the presence of the Director Prof. Dr. R. N. Saha. BITS Pilani, Dubai Campus were crowned overall champions of the inter college cultural festival for the year 2014.

10. **Hostel Week Celebrations:** Hostel Week "Recharge" was celebrated in the Dubai Campus between the 5th and 8th of May 2014, with a lot of fanfare. A special menu was prepared for the week for hostel students. Fun activities like Antakshri, Tambola, Kho Kho, Bathroom singing and many outdoor sports were organized. Indoor activities such as chess, carom, badminton and table tennis were organized as well. There was a huge response and participation involved by the hostel students, wardens and the staff. On the final day of the celebrations, a programme was organized in the auditorium. Prizes were distributed to the winners of the various events and various hostel students displayed their skills by dancing and singing on stage. The hostel staff was also honored during the event. A grand Buffet dinner was organized after the closing ceremony which marked the end of the celebrations.
11. **Farewell Party:** The 'DIROS Tea Party', a farewell party to the passing batch was organized by the Alumni Cell on 22nd of May 2014. The event began with department photographs being clicked with the respective department faculty. A programme was then organized in the auditorium to bid farewell to the graduating students. Around 320 students of the graduating batch and faculty members attended the ceremony. A dance performance by the Dance Club and music performance by Dr. Rafiuddin and the music club entertained the gathering. A lot of fun games were arranged and gift vouchers were awarded to the winners of the games. A 15 kg cake was cut by the students. The farewell ended with a dinner and on an emotional note.
12. **Welcome Party:** The Fresher's Welcome Party named "Ice-Breakers" was held on 18th September 2014. It was organized by the senior students of the college to welcome the new batch of students of 2014. The event began with students of the new batch breaking ice blocks with a sledge hammer. Dance and music events by the senior students entertained the gathering and students from the new batch were encouraged to display their skills on stage voluntarily. To conclude the welcome party in the auditorium a cake was cut. Refreshments were distributed to all attendees of the event.
13. **BITS Sports Festival 2014:** The 12th BITS Sports Festival (BSF 2014) at BITS Pilani, Dubai Campus was inaugurated by Director of BITS Pilani Daubai Campus, Prof. Dr. R. N. Saha and Prof. Dr. Suresh Bhargawa from MIT University Australia. The inaugural ceremony began with a March past by all the Sports Teams followed by a 5 minute Gymnastics show. This was followed by the ceremonial lighting of the torch. Then the BITS flag was hoisted by Dr. Saha and Dr. Bhargawa. With this BSF 2014 was declared open. The oath was rendered by Faseeh Yousef, senior Basketball and Athlete from 4th year, and all the teams took the oath in the true spirit of Sportsmanship. Dr. R.N. Saha, the Director, then shared his words of wisdom on the importance of sports. Dr. Bhargawa congratulated the organizing committee for the initiative also wished the teams good-luck for the tournament. The celebrations were concluded with a Brilliant flash mob which enthralled the gathering by grooving to the latest tunes and got everyone's feet tapping. The participating universities included the American University of Sharjah, University of Wollongong, American University in RAK, Gulf Medical University Ajman, City College Ajman, Skyline University, Sharjah, Amity University in Dubai, Emirates aviation College, University Of Sharjah, Bolton University, Canadian University Dubai, Victoria College, American College Dubai, SZABIST, BIT RANCHI, Manipal University Dubai, Herriot Watt University, RAKMHSU, Ajman University, Middlesex University and BITS Pilani, Dubai Campus. Dr. Rafiuddin, Senior Manager Student Services delivered the Report of BITS Sports Festival 2014 and congratulated all the participants and extended his gratitude to all those who led the event to the success it achieved. Mr. Piyush Chawla (Int'l Cricketer) and Mr. Ranjib Biswal (IPL-Chairman and Honourable Member of Indian Parliament) were the Guest of Honour and the Chief Guest for the Prize distribution ceremony respectively. Director, Prof. Dr. R. N. Saha, then spoke a few words congratulating the students on their active participation and achievements. Mr. Piyush Chawla, humbled besides being such a great cricketer, excitedly told the students that he found it easier to play tournaments than speak on stage and that his love for the sport exceeds all in his life. Mr. Ranjib Biswal and Mr. Piyush Chawla together with the Director, Dr. R.N. Saha, Dr. Priti Bajpai and Dr. M. Rafiuddin handed over the trophies and medals to all the winners. The athletics overall Championship and BSF 2014 Overall championship trophy were won BITS Pilani, Dubai Campus.
14. **SPARKS 2014:** Sparks 2014, an intra-college cultural event was held during 22-23 October, 2014. The event comprised of competitions held in the auditorium and were organized by the Dance Club, the Drama Club and the Music Club. The dance competition for the fest was divided into 3 categories: Western Group Dance, Eastern Group Dance and Dancing Doubles. There were drama events like Impulse and Street Play. Music events like Eastern and Western rounds of Solo and Duet singing, Instrumental Music and Battle of Bands. There were many brilliant performances that left the audience awestruck. All the judges were amazed at the splendid performances of the students and the hard work, effort and time put in to making this event a success was both prominent and commendable. Certificates of Merit were awarded to the top two performers / teams in each of the competitions. A food stall was also set up by the Student Council to tickle the taste buds of the students.

- 15. Ethnic Day:** Ethnic Day is organized every year to celebrate the Foundation Day of BITS Pilani, Dubai Campus. The celebrations were held on the 5th of November 2014 at the campus. Students dressed up in ethnic wear on the day and an event was organized in the auditorium from 2:00 PM to 4:00 PM. The programme began with the lighting of the "diya" and the Director's address. Dance and music performances by students and the staff enthralled the audience. Several On-the-Spot competitions were conducted that were open to all students and faculty members and prizes were given to the winners. Mr. Ethnic and Ms. Ethnic were announced after a few rounds of contest.
- 16. Technofest 2014:** Technofest was held from 7th to 8th December 2014. Events were held like MUN, Debate League, Just a Minute, etc by Literary club. Photography club also conducted a few events followed by numerous events from mechanical side like Model making and others by ASME. Working and non working models were presented along with paper presentations.

ACHIEVEMENTS AND COMMENDATIONS

AWARDS AND ACHIEVEMENTS

- 1 Old Guard Oral Presentation Competition (OGOPC): Anomitra Banerjee (II year Mech) and will be participating in the finals at IMECE 2014.
- 2 Student Design Competition (SDC): Akash Hathiramani (II YrMech), Puneet Khirwar. (II YrMech), Pranav Mohan (II YrMech), Animesh Bhasin (II year) and will be participating in the finals at IMECE 2014.
- 3 Anomitra Banerjee, a junior mechanical engineering student from ASME BITS Pilani, Dubai Campus Student Section, UAE represented District J in the finals of Old Guard Oral Presentation Competition at The International Mechanical Engineering Congress and Exposition 2014 (Montreal, Canada). He went into the history books of ASME as the first Indian and the first student from District J (Middle East and Africa) to win this competition while competing against 14 other competitors from Peru, Mexico, Pakistan, China, France, England, USA and Canada.
- 4 Old Guard Oral Presentation Competition (OGOPC): First Prize: Anomitra Banerjee (II year Mech) and will be participating in the finals at IMECE 2014.
- 5 Student Design Competition (SDC): First Prize: Akash Hathiramani (II YrMech), Puneet Khirwar. (II YrMech), Pranav Mohan (II YrMech), Animesh Bhasin (II year) and will be participating in the finals at IMECE 2014. Other participants from BPDC were for Student Design Competition: Mr. Ganesh Ram (II year Mech.), Vishank Bhatia (II year Mech.), Yashaan Cooper (II year Mech.) and for Old Guard Oral Presentation Competition: Avishek Goel (III year Mech.).
- 6 Tessa Ann John, Vidya Janarshan and Pranav Menon under the supervision of R.Udayakumar have won the prestigious, Best idea price at Emirates Student Renewable Energy Competition conducted by the UAE University in which around twenty top universities take part in the year 2014. The title of the project was "Development of a solar mobile charger from the sunshade of the passenger cars and a novel way of utilising heat in the engine exhaust"
- 7 Ms. S. Rajeshwari received the best paper award at the 4th Annual International Conference On Advances In Biotechnology (BIOTECH 2014), 10-11th March 2014, Dubai, UAE.
- 8 Ms. Salma Sheriff received the best oral presentation award at the International Conference On Biotechnology And Bioengineering-2014 (ICBB 2014), 29-30th October 2014, Dubai, UAE.
- 9 Ms. S. Rajeshwari received the best participant's award during the MTCD-2014 workshop at BITS Pilani, Pilani Campus, India. Ms. Shristi Singh received the best oral presentation award at the International Conference on Biotechnology and Bioengineering-2014 (ICBB 2014), 29-30th October 2014, Dubai, UAE.
- 10 Ms. Gayathri Ganesh received the best oral presentation award at the International Conference on Biotechnology and Bioengineering-2014 (ICBB 2014), 29-30th October 2014, Dubai, UAE.
- 11 Ms. Nirupama Dixit received the best poster presentation award at the International Conference on Biotechnology and Bioengineering-2014 (ICBB 2014), 29-30th October 2014, Dubai, UAE.
- 12 Ms. Suchita Gera received the best poster award at International Conference on Emerging Trends in Biotechnology, Jawaharlal Nehru University, New Delhi.
7. Jalaluddin Shariff and Mohamed Atyab, "Addictive tendencies of children and young adults due to development of social media and its Psychological impact" at Under Graduate Student Research Competition, Abu Dhabi University, held on 22 May 2014.
8. Prarthana Clare, Hydari Masuma, Aswathy PJ, Gunjan, Presented a paper on 'Characterisation of heat tolerant micro-algal strains' at The Second United Arab Emirates Undergraduate Student Research Competition: 22nd May 2014.

9. Sridevi Thyagrajan, Prarthna Clare, Akshay Deshpande, Sathvik Balaji, Ishita Roy, Presented a poster on 'Optimisation of methods for extraction of lipids from Micro-algae for biodiesel production' at 5th Engineering Student Renewable Energy Competition 3rd May 2014.
10. In the IEEE XTreme Programming contest 19 teams and 57 students were registered for the 24 hour event. This was the highest registration numbers in many years. 18 teams of three members each were ranked. In all 1720 teams of 3 student members each were ranked globally. Out of the 18 teams two teams were in the top 10 rankings in UAE and were all in the top 28 in UAE. The team AmAyRi was placed 1st within the 18 teams from BPDC, 2nd nationally, 138th in Region 8 and 323rd globally. In all 3 teams from BPDC were placed in the top 500 globally and 7 were in the top 1000 globally.
11. For the forthcoming Student Day in 2015, the project proposed by BITS Pilani, Dubai Campus is entitled "Emergency Healthcare Response System" was selected out of multiple proposals. BITS Pilani, Dubai Campus and Ajman University of Science and Technology have jointly defined the specifications for this Software Engineering Project (SEP); SEP is one of three types of projects that students from universities around the UAE participate in. CS faculty and student were involved in proposing and specifying the project.

SCHOLARSHIPS

Financial Assistance to Students

746 students received financial assistance of AED 4,223,975/- under different categories for the Academic Year 2013-14, the details of which are given below:

S.No	Particulars	Students Nos.	Amount in AED
1	Institute Merit Scholarship	554	3,273,875
2	Higher Degree and Doctoral Scholarship	62	608,100
3	Need-based Scholarship (Physically challenged, Bereaved family discount)	1	5,250
4	Others (Staff, Siblings, Sports, Special Concessions)	41	336,750
	Total	658	4,223,975

EARN WHILE YOU LEARN

39 students worked as Professional Assistants in the second semester 2013-14 and 42 students in the first semester of 2014-15. They participated in various academic activities like assistance in labs, software and other developmental work. This gave them an opportunity of independent thinking and developing a sense of responsibility. The programme is not linked with any academic credit but the participants were paid honorarium for their services and certificates from the Director, Dubai Campus.

LIST OF ANNEXURES

Annexure B4-1 - Senior Officers of the Institute	B4:A1
Annexure B4-2 - Details of admissions made during the year 2014	B4:A2
Annexure B4-3 - Details of admissions made during the year 2013-2014 to pursue various Dual Degree Programmes	B4:A3
Annexure B4-4 - Number of students registered	B4:A4-5
Annexure B4-5 - Statement of degrees awarded	B4:A6
Annexure B4-6 - 74 th award of degrees approved	B4:A7
Annexure B4-7 - 75 th award of degrees approved	B4:A8
Annexure B4-8 - List of Organisations which conducted Campus Interviews 2014	B4:A9-10
Annexure B4-9 - List of Projects 2014	B4:A11-28
Annexure B4-10 - Special Lectures given by invited Scholars during 2014	B4:A29-30
Annexure B4-11- List of faculty who attended conferences and presented papers during 2014	B4:A31-38
Annexure B4-12 - List of Publications 2014	B4:A39-41
Annexure B4-13 - List of Higher Degree Dissertations Completed during 2014	B4:A42-43
Annexure B4-14 - List of First Degree Thesis Completed during 2014	B4:A44-45
Annexure B4-15 - Details of distribution of PS I students and faculty over PS I stations during the summer 2014	B4:A46-48
Annexure B4-16 - Some Practice School Statistics 2014	B4:A49-50
Annexure B4-17 - Practice School Statistics	B4:A51-52
Annexure B4-18 - Facilities available at PS Stations during the year 2014	B4:A53-55
Annexure B4-19 - List of PS II Project assignments carried out during the year 2014	B4:A56-60
Annexure B4-20 - Computing Facilities across the Campus	B4:A61-64
Annexure B4-21 - List of Equipments Procured during the Year 2014	B4:A65-66
Annexure B4-22 - New Courses offered during 2014	B4:A67-68

SENIOR OFFICERS OF THE INSTITUTE**DIRECTOR**

Prof. Dr. R. N. Saha

DEANS

DIVISION	NAME
1. Admissions	Dr. T. G. Thomas
2. Faculty Affairs	Dr. R. Roop Kumar
3. Practice School	Dr. B. Muralidharan
4. Student Welfare	Dr. Priti Bajpayee

ASSOCIATE DEANS

1. Academic Registration & Counseling	Dr. A. Somasundaram
2. Academic Research	Dr. Neeru Sood
3. Academic Resource Planning	Dr. Anand Kumar
4. Instructions	Dr. K. Kumar

DEPUTY REGISTRAR

Dr. D. J. Shariff

HEAD OF THE DEPARTMENTS

<u>DEPARTMENT</u>	<u>NAME</u>
1. Chemical	Dr. B. G. Prakash
2. Electrical and Electronics	Dr. A. B. Chattopadhyay
3. Mechanical	Dr. Ram Karthekeyan
4. Computer Science	Dr. B. Vijakumar
5. Biotechnology Gokhale	Dr. Trupthi Swaroop
6. Mathematics and Science	Dr. Maneesha
7. Humanities and Management	Dr. A. S. Rao

INCHARGES

1. Facilities Management	Dr. K. K. Singh
2. Laboratories	Dr. A. R. Abdul Rajak

HOSTEL WARDENS

	<u>NAME</u>
Chief Warden	Dr. Miller Jothi

BLOCK

A	Mr. N. A. Venkatesh
B	Mr. Harold Franklin
C	Dr. Miller Jothi
D	Mr. Anuj Kumar
G	Dr. S. Karthiyayini

DETAILS OF THE ADMISSIONS MADE DURING THE YEAR 2014**I. First Semester 2014-2015****Admission to Integrated First Degree Programmes**

B. E. (Hons.)		
Biotechnology	:	23 (14)
Chemical Engineering	:	43 (18)
Electrical and Electronics Engineering	:	38 (10)
Mechanical Engineering	:	136 (08)
Electronics and Instrumentation Engineering	:	12 (09)
Computer Science	:	140 (52)
Electronics and Communication Engineering	:	57 (30)

Admission to Higher Degree Programmes

M. E.		
Microelectronics	:	00 (00)
Design Engineering	:	04 (00)
Software Systems	:	09 (04)
Biotechnology	:	00 (00)
M.B.A	:	07 (01)
Ph.D	:	04 (02)

TOTAL : 473 (148)**II. Second Semester 2013-2014****Admission to Integrated First Degree Programmes**

B. E. (Hons.)		
Biotechnology	:	00 (00)
Chemical Engineering	:	01 (00)
Electrical and Electronics Engineering	:	00 (00)
Mechanical Engineering	:	01 (00)
Electronics and Instrumentation Engineering	:	00 (00)
Computer Science	:	05 (01)
Electronics and Communication Engineering	:	00 (00)

Admission to Higher Degree Programmes

M. E.		
Microelectronics	:	08 (04)
Design Engineering	:	09 (00)
Software Systems	:	08 (05)
Biotechnology	:	00 (00)
M.B.A	:	11 (05)
Ph.D	:	09 (03)

TOTAL : 45 (18)**SUMMARY**

	II Semester 2013-2014	I Semester 2014-2015
Integrated First Degree Programmes	07 (01)	449 (141)
Higher Degree Programmes	36 (14)	20 (05)
Ph.D	09 (03)	04 (02)
Total	52 (18)	473 (148)

STATEMENT SHOWING THE NUMBER OF CANDIDATE WHO HAVE BEEN PERMITTED IN THE ACDEMIC YEAR 2014-2015 TO PURSUE A VARIOUS DUAL DEGREE PROGRAMMES UNDER VARIOUS PRIORITIES

Programmes* From ↓ To →	A3	A1	TOTAL
	A3	-	1
A4	1	-	1
TOTAL	1	1	2

***Legend :**

A1 : B.E. (Hons.) (Chemical Engineering) (with Practice School)

A3 : B.E. (Hons.) (Electrical & Electronics Engineering) (with Practice School)

A4 : B.E. (Hons.) (Mechanical Engineering) (with Practice School)

LIST OF CANDIDATES WHO HAVE BEEN PERMITTED TO TRANSFER WITHIN THE FIRST DEGREE IN I SEMESTER 2014 – 2015

S.NO.	ID NO	NAME	PERMITTED TO TRANSFER	
			FROM	TO
1	2013A7PS049U	AAMIR JAMAL AHSAN JAMAL	CS	ECE
2	2013A7PS297U	PRABHAT SHARMA	CS	CHE

NUMBER OF STUDENTS REGISTERED IN SECOND SEMESTER 2013 – 2014

PROGRAMME	Year of Admission					Total
	2009 and earlier	2010	2011	2012	2013	
A. Integrated First Degree Programmes						
B.E. (Hons.)						
CHE	1 (0)	15 (6)	20 (6)	26 (15)	26 (13)	88 (40)
EEE	2 (0)	34 (12)	38 (12)	49 (19)	47 (19)	170 (62)
MECH	3 (0)	88 (6)	112 (4)	101 (4)	106 (5)	410 (19)
CS	3 (1)	69 (28)	76 (25)	101 (40)	109 (34)	358 (128)
EIE	1 (0)	8 (4)	9 (5)	6 (5)	13 (2)	37 (16)
BIO	-	10 (7)	14 (12)	16 (14)	13 (12)	53 (45)
ECE	1 (0)	73 (33)	82 (39)	73 (33)	65 (29)	294 (134)
Sub Total	11 (1)	297 (96)	351 (103)	372 (130)	379 (114)	1410 (444)
B. Higher Degree Programmes						
M.E.						
Software Systems	-	-	-	11 (2)	8 (5)	19 (7)
Microelectronics	-	-	-	17 (8)	8 (4)	25 (12)
Biotechnology	-	-	-	3 (2)	-	3 (2)
Design Engineering	-	-	1 (0)	4 (0)	9 (0)	14 (0)
Master of Business Administration	-	-	-	4 (1)	11 (5)	15 (6)
Ph.D.	4 (4)	1 (0)	3 (2)	5 (3)	16 (9)	29 (18)
Sub Total	4 (4)	1 (0)	4 (2)	44 (16)	52 (23)	105 (45)
Total (On Campus)	15 (5)	298 (96)	355 (105)	416 (146)	431 (137)	1515 (489)

Number of female students is given in brackets.

NUMBER OF STUDENTS REGISTERED IN FIRST SEMESTER 2014 - 2015
(As on 03rd October 2014)

PROGRAMME	Year of Admission					Total
	2010 and earlier	2011	2012	2013	2014	
A. Integrated First Degree Programmes						
B.E. (Hons.)						
CHE	-	20 (6)	26 (15)	27 (13)	43 (18)	116 (52)
EEE	2 (0)	38 (12)	48 (18)	46 (19)	38 (10)	172 (59)
MECH	4 (0)	110 (4)	101 (4)	104 (5)	136 (8)	455 (21)
CS	4 (0)	76 (25)	99 (40)	105 (34)	140 (52)	424 (151)
EIE	1 (0)	9 (5)	6 (5)	12 (2)	12 (9)	40 (21)
BIO	-	14 (12)	16 (14)	13 (11)	23 (14)	66 (51)
ECE	5(0)	81 (39)	72 (33)	66 (29)	57 (30)	281 (131)
Sub Total	16 (0)	348 (103)	368 (129)	373 (113)	449 (141)	1554 (486)
B. Higher Degree Programmes						
M.E.						
Software Systems	-	-	11(2)	8 (5)	9 (4)	29 (11)
Microelectronics	-	-	17(8)	8 (4)	-	25 (12)
Biotechnology	-	-	3(2)	-	-	3(2)
Design Engineering	-	-	4(0)	8 (0)	4 (0)	16 (0)
Master of Business Administration	-	-	4(1)	10 (5)	7 (1)	21 (7)
Ph.D.	3 (2)	3 (2)	4(2)	15 (8)	4 (2)	29 (16)
Sub Total	3 (2)	3 (2)	43 (15)	49 (22)	24 (7)	122 (48)
Total (On Campus)	19 (2)	351 (105)	411 (144)	422 (135)	473 (148)	1676 (534)

Number of female students is given in brackets.

* Student readmitted

Second semester admission

STATEMENT OF DEGREES AWARDED

Degrees	No. of degrees	
	74 th Award (5 th March 2014)	75 th Award (11 th July 2014)
B.E. (Hons.)		
Chemical	0	0
Chemical (with PS)	0	17(7)
Electrical & Electronics	1(0)	5 (2)
Electrical & Electronics (with PS)	2(0)	29(10)
Computer Science	0	4(1)
Computer Science (with PS)	6(1)	63(28)
Electronics & Instrumentation	1(0)	0
Electronics & Instrumentation (with PS)	0	8(4)
Mechanical	0	9(2)
Mechanical (with PS)	0	79(4)
Biotechnology	0	5(3)
Biotechnology (with PS)	0	5(4)
Electronics & Communication	0	6(1)
Electronics & Communication (with PS)	3(0)	64(32)
Sub Total	13(1)	294(98)
Higher Degree		
M.E. (Software Systems)	8(2)	0
M.E. (Microelectronics)	3(0)	0
M.E. (Biotechnology)	5(4)	0
M.E. (Design Engineering)	9(0)	1(0)
Master of Business Administration	9(1)	0
Sub Total	34(7)	1 (0)
Ph. D.	1(1)	1(1)
Total	48(9)	295 (98)

SUMMARY

	74 th Award (5 th March 2014)	75 th Award (11 th July 2014)	Total
Integrated First Degrees	13(1)	294(98)	307(99)
Higher Degree	34(7)	1 (0)	35 (7)
Ph. D.	1(1)	0	1(1)
Total	48(9)	295 (98)	343 (107)

74th AWARD OF DEGREES APPROVED BY THE 167th MEETING OF THE BOARD OF GOVERNORS

Programme	Dist.	I	II	Total
B.E. (Hons.) (Chemical)	0	0	0	0
B.E. (Hons.) (Chemical) (with Practice School)	0	0	0	0
B.E. (Hons.) (Mechanical)	0	0	0	0
B.E. (Hons.) (Mechanical) (with Practice School)	0	0	0	0
B.E. (Hons.) (Computer Science)	0	0	0	0
B.E. (Hons.) (Computer Science) (with Practice School)	0	3	3	6(1)
B.E. (Hons.) (Biotechnology)	0	0	0	0
B.E. (Hons.) (Biotechnology)(with Practice School)	0	0	0	0
B.E. (Hons.) (Electronics and Instrumentation)	0	0	1	1
B.E. (Hons.) (Electronics and Instrumentation) (with Practice School)	0	0	0	0
B.E. (Hons.) (Electrical and Electronics)	0	0	1	1
B.E. (Hons.) (Electrical and Electronics) (with Practice School)	0	0	2	2
B.E. (Hons.) (Electronics & Communication Engineering)	0	0	0	0
B.E. (Hons.) (Electronics & Communication Engineering) (with Practice School)	0	0	3	3
Sub Total	0	3	10	13(1)
M.E. (Software Systems)				8(2)
M.E. (Microelectronics)				3(0)
M.E. (Biotechnology)				5(4)
M.E. (Design Engineering)				9(1)
Master of Business Administration				9(1)
Sub Total				34(7)
Ph.D. Degree				1(1)
Total				48(9)

75th AWARD OF DEGREES APPROVED BY THE 170th MEETING OF THE BOARD OF GOVERNORS

Programme	Dist.	I	II	Total
B.E. (Hons.) (Chemical)	0	0	0	0
B.E. (Hons.) (Chemical) (with Practice School)	4	4	9	17(7)
B.E. (Hons.) (Electrical and Electronics)	1	3	1	5(2)
B.E. (Hons.) (Electrical and Electronics) (with Practice School)	4	10	15	29(10)
B.E. (Hons.) (Mechanical)	2	4	3	9(2)
B.E. (Hons.) (Mechanical) (with Practice School)	8	26	45	79(4)
B.E. (Hons.) (Computer Science)	1	2	1	4(1)
B.E. (Hons.) (Computer Science) (with Practice School)	11	31	21	63(28)
B.E. (Hons.) (Electronics and Instrumentation)	0	0	0	0
B.E. (Hons.) (Electronics and Instrumentation) (with Practice School)	1	3	4	8(4)
B.E. (Hons.) (Biotechnology)	1	3	1	5(3)
B.E. (Hons.) (Biotechnology)(with Practice School)	0	1	4	5(4)
B.E. (Hons.) (Electronics and Communication)	2	1	3	6(1)
B.E. (Hons.) (Electronics and Communication) (with Practice School)	11	25	28	64(32)
Sub-Total	46	113	135	294(98)
M.E. (Design Engineering)				1(0)
Total				295(98)

Number of female students is given in brackets.

Annexure B4-8
(2 pages)

**LIST OF ORGANISATIONS WHICH CONDUCTED CAMPUS INTERVIEWS AT
BITS PILANI, DUBAI CAMPUS**

Sl. No.	NAME OF ORGANISATION	NUMBER OF STUDENTS		DISCIPLINE
		INTERVIEWED	SELECTED	
1	Alliance Global LLC	11	1	MECH,EIE,EEE
2	ARJ Water Tech,	10	1	MECH, EIE
3	ATECO	21	5	ECE
4	Caparo ME,	13	1	ECE
5	Cluttons	12	2	ALL
6	ECS ME	28	7	ECE
7	ETA Star Portal	8	2	MECH, EIE,ECE,EEE
8	FlyDubai	13	1	ALL
9	GRUNDFOS	11	1	CS, EIE, MECH
10	IIM-Ahamedabad	13	1	MECH, EIE,ECE,EEE
11	Incubasys	13	1	CS
12	Kingsmen LLC	76	5	BIOT, ECE,MECH,CS
13	L&T Automation	16	2	EEE
14	Lucy Switchgear FZE,	13	3	MECH
15	MSP Companies	18	4	CS
16	MU-SIGMA	11	3	CS
17	National Oil Well	15	2	ECE, EEE, MECH
18	Petrofac	18	2	ECE, EEE, MECH
19	Proserv ME, LLC	25	3	ECE, MECH
20	Protiviti ME	22	2	CS
21	Ramco Systems	13	2	CS
22	Rolland Consultancy	15	2	MECH, EIE
23	Scientechnic	28	5	EEE,EIE,MECH
24	Thyseenkrupp Elevator	15	3	EIE, MECH
25	Zio Technologies	11	1	EEE,ECE,EIE
26	Proleed Engineering Co	8	2	MECH,EEE
27	Amazon	23	0	CS, ECE
28	Gem Trading	7	0	ALL
29	Granteq	49	5	ALL
30	Sam Chemical	8	0	CS
31	Dia33	13	2	CHEM
32	Tendercare-Dubai	9	1	CS
33	Seven Seas Computers	11	2	CS, ECE
34	Silex	20	0	ALL
35	Zumbotel	8	0	EEE

36	Heinz	10	0	MECH,EEE,CS
37	Thomsun	8	0	EEE
38	ETA Group	15	0	ECE, CS, MECH,CHEM,EEE
39	Petrofac International, Sharjah, UAE	3	3	ECE, CHE
40	Polaris Financial Technology, India	26	5	CS
41	REDA CHEMICAL	10	1	CHEM
42	L & T	15	4	EEE, ECE, MECH, EIE
43	AZBIL	11	1	EEE,ECE,EIE
44	EVANSION	9	1	MECH
45	Redington Gulf	8	1	CS,ECE
46	TCS	13	1	CS,ECE
47	IBM	15	1	CS,ECE
48	DNV Global	17	2	MECH, EIE
49	Young & Mubeen	3	1	ECE

Summary

Total No. of Companies: 49
Total No. of students interviewed: 154
Total No. of appointments offered: 95

*Legend

CHE: Chemical, CS: Computer Science, EEE: Electrical & Electronics, EIE: Electronics & Instrumentation, MECH: Mechanical, BIOT: Biotechnology, ECE: Electronics & Communication

LIST OF FIRST DEGREE PROJECTS				
Second Semester 2013-2014 (February 2014 to June 2014)				
S.No.	Name	Topic	Instructor	Type
1.	Adarsh Venkataraman G	Magnetics based cell sorting	Neeru Sood	CP
2.	Advait Mane	Generation of lift & down force on an aerofoil	Mallika Parveen	CP
3.	Ajinkya Limaye	Developing of an intelligent gaming application	M Madijagan	CP
4.	Angel Mary M. Sunny	Numerical solution and application of Laplace equations	Suhel Ahmad Khan	CP
5.	Anshul Singhal	FSAE Chassis Frame Design and Analysis using Chromoly 4130 Tubing	Miller Jothi .N.K	CP
6.	Apoorv Baweja	Design and Analysis of ecommerce website in Supply Chain Management	Aqila Rafiuddin	CP
7.	Appani Rahul	Leadership project	Srinivasa Rao	CP
8.	Arihant Sogani	Preventing Corporate Failures : A Lesson from textile Industry	Aqila Rafiuddin	CP
9.	Aritra Guha Thakurta	Estimation of economic benefits and limitations for JIT inventory models using Mat lab	Baskaran .S	CP
10.	Arjun Veer Tuli	Multitouch application for BPDC-Admissions	Vijayakumar .B	CP
11.	Ashish Kumar Sharma	Managing web site structure information	Jeyalatha	CP
12.	Bokka Kartik Rajashekharrao	Design optimization in aircraft structure using neural networks	Karthikeyan .R	CP
13.	Disha	Business Flow Study For ERP	Srinivasa Rao	CP
14.	Elias Ahamed Zuhair Ahamed	Design and Analysis of VAWT System using CATIA	Periasamy .C	CP
15.	Elvino Do P Sirajio Rodrigues	Theoretical analysis of strength of nano crystalline materials	Karthiyayini .S	CP
16.	Faiz Ali Mobeen Nassur	Fluid flow analysis using ANSYS	Karthikeyan .R	CP
17.	Gadipelli Himansh Reddy	Simulation Studies on Cascade Control System for a Chemical Process	Kalaichelvi	CP
18.	Govindolla Sree Geethi	Debye temperature and ultrasonic velocity of nano materials	Karthiyayini .S	CP
19.	Haseeb Abdul Kabir	Computer Aided Inventory Management of Mechanical Concepts for Oil Industry	Pushkala M	CP
20.	Jaina Shah	Design & Simulation Of Bio Sensor Based	K K Singh	CP
21.	Jibin Mathews	Design and Implementation of Placement Tracking Software	Santhosh Kumar V	CP
22.	Karishma Ramesh Chandnani	Software testing of cloud enabled applications	Vadivel .S	CP
23.	Kunal Anil Agarwal	Analysis of hot deformation process using FEA	Karthikeyan .R	CP
24.	Lakshmi Suhitha Kari	SME Entrepreneurs in Fujairah & RAK emirates	Srinivasa Rao	CP
25.	Mohammad Nizamuddin	Application of Latin square design method in agriculture	Suhel Ahmad Khan	CP
26.	Mona Ajai	Computerized analysis of growth in the automobile sector in UAE	Pushkala Muralidharan	CP
27.	Monit Kothari	Design & Simulation Of MEMS Based Gas Sensor	K K Singh	CP
28.	Moola Rajashekhar Reddy	Computer aided design and analysis of a crane hook	Venkatanaga Sankaram .M	CP
29.	Mudit Singhvi	Fuzzy logic control for few business problems: A case study approach using Matlab	Baskaran .S	CP
30.	Muhammed Shibil Aboobacker	Study Of A Transportation Network	Priti Bajpai	CP
31.	Nazneen Mulla Shaik Shavali	Design and implementation of Cloud application for handling Big Data search in	Vadivel .S	CP

LIST OF FIRST DEGREE PROJECTS				
Second Semester 2013-2014 (February 2014 to June 2014)				
S.No.	Name	Topic	Instructor	Type
		Biometrics		
32.	Neehar Gupta	Multitouch application for BPDC- Finance	Vijayakumar .B	CP
33.	Nikhita Chhabra	A Study of the identification of a tolerant accession of a castor plant based on growth parameters.	Maneesha	CP
34.	Pandit Shruti Niranjana	State variable model of a Dc-Dc power electronic converter	A B Chattopadhyay	CP
35.	Parvathy Sathyaprakasan	Study Of Heat Transfer In Nano Fluids	Surendra Kumar	CP
36.	Pirzan Cyrus Turel	A study of the various growth parameters based on salinity tolerance of a castor plant	Maneesha	CP
37.	Prithvi Anand Vadapally	Consolidation of Idle Disk Space in Workstations	Santhosh Kumar V	CP
38.	Puranjay Rajpal	An iOS app for sports	Sujala D Shetty	CP
39.	R Bharath Kumar	Develop a software to create data base of registered courses for every student of BPDC	Somasundaram A	CP
40.	Ranjan Rishi Chambial	Multitouch application for BPDC- Events	Vijayakumar .B	CP
41.	Rohan Maloo	Using Linear Programming For A Real Life Situation	Priti Bajpai	CP
42.	Rudraksh Mehra	CFD analysis in pipe flow	Mallika Parveen	CP
43.	Ryan Moses	Algorithms for integer programming	Suhel Ahmad Khan	CP
44.	Sahu Sushmita Sitikantha	Role of Human Capital in Success of Organization	Aqila Rafiuddin	CP
45.	Saif Hamid Mukadam	Parametric optimization problem in optimal control theory	A B Chattopadhyay	CP
46.	Sana Abdul Kader Punnilath	Data analysis for multidimensional scaling for product positioning using SPSS	Suhel Ahmad Khan	CP
47.	Sanchita Khandelwal	Electronic waste: modeling of costs and environmental benefits	B B Gulyani	CP
48.	Saumya Ratnakar Prakash Awasthi	Processing Big Data	Sujala D Shetty	CP
49.	Shefali Jayaseelan Joseph	Design of a Bank Management Software	Gomathi Bhavani .R	CP
50.	Shikhar Pahwa	Student Planner application for Android Platform	Vadivel .S	CP
51.	Shreya Khetrpal	Design of remote control intelligence for Home Automation	Anand Kumar	CP
52.	Sreeram Muralidharan	Project Management A Case Study	Priti Bajpai	CP
53.	Suhaib Khaliq Hurzuk	Numerical solutions and algorithm of some classical inventory models	Suhel Ahmad Khan	CP
54.	Upala Banerjee	Harmonic analysis and associated simulation for an AC Chopper fed Induction motor	Sunil Thomas	CP
55.	Vadalia Yash Ketan	Optimizing the performance of a solar PV system	Maneesha	CP
56.	Vishnusri N	Design a tool for extending and refining knowledge base	Jeyalatha	CP
57.	Viswanath Gopinath Niranjana	Develop an iOS Application using Model-View-Controller Architecture.	Susanna Henry	CP
58.	Vivin Karthik	Simulation of rapid detection strategies for sensing bacterial pathogens	Neeru Sood	CP
59.	Yash Bangera	Software development for IT division	M Madijagan	CP
60.	Yelloji Navya Nayaki	Numerical Integration through Computer	Tapan Kumar Datta	CP
61.	A Sesha Hari Madhava Chaitanya	Design and Implementation of Software for Neural Network Simulation	Santhosh Kumar V	DP
62.	Aashna Mittal	Design and analysis of an algorithm to find the shortest connected component of a digraph	Somasundaram A	DP
63.	Abhimanyu Dabas	Design and Simulation of nano biosensor	K K Singh	DP

LIST OF FIRST DEGREE PROJECTS				
Second Semester 2013-2014 (February 2014 to June 2014)				
S.No.	Name	Topic	Instructor	Type
64.	Abhishek Ravichandran	To develop an app for Image processing toolbox using Android	Jagadish Nayak	DP
65.	Aditya Poonia	Application of Nano-communication network in Health care	Kk Singh	DP
66.	Aisha Sanjeev Dangi	Design and implementation of a simple virtual shopping system using PHP	Susila .S	DP
67.	Aishwarya Jain	Computer-based PERT, CPM	Tapan Kumar Datta	DP
68.	Anusuya Gohain Baruah	Temperature and humidity monitoring system using LABVIEW	Swarnalatha .R	DP
69.	Ashwani Agrawal	Design of electromagnets in electrical machines and its concerned simulations	Sunil Thomas	DP
70.	Ayush Chordia	Real time application of machine learning in collaboration with data mining	Madijagan	DP
71.	Bhagyasri Canumalla	Design of an Interactive Mobile Application using Model View Controller Architecture	Vijayakumar .B	DP
72.	Dev Dua	Application of machine learning algorithms on Big Data	Sujala D Shetty	DP
73.	Dinesh Balani	could hosted web services on mobile devices	Susila .S	DP
74.	Faraaz Zaman	Design and Develop a Hotel Mobile Application for iPhones	Anand Kumar	DP
75.	Gibbin Skaria George	Partial Design of Nanosatellite Telescopes	Anand Kumar	DP
76.	Hydari Masuma Begum	Designing a Photobioreactor for production of Microalgal Biomass Production	Ramachandran .S	DP
77.	Mihir Rai	Design an algorithm to mine longest repeating subsequence	Jeyalatha	DP
78.	Mohammed Muzammil Kaleemulla	Design and Implementation of Software for Printer Management	Santhosh Kumar V	DP
79.	Mugdha Sunil Polimera	Simulation Studies and Analysis of Laser Guided Missile Control System	Kalaichelvi	DP
80.	Nabanita De	Text mining of data from social network sites	Vadivel .S	DP
81.	Nalini Angelica De Souza	Lightweight communication and Marshalling	Susila .S	DP
82.	Rahul Gupta Kambampati	Partial design of a mobile phone based nanosatellite	Anand Kumar	DP
83.	Rangapriya P	Design and Analysis of an Integrated Gas sensing system	Swaminathan .S	DP
84.	Reema Deepak Thakur	Design Considerations for a Speech Synthesis Application	Vijayakumar .B	DP
85.	Reeva Deepak Bhatkal	Case Study Using Goal Programming	Priti Bajpai	DP
86.	Ronak Rajesh Sumbaly	Web mining association rules with XML data	Jeyalatha	DP
87.	Sangeetha Ashokan Karumathil	Use of Java Programming for Regression Analysis	Tapan Kumar Datta	DP
88.	Sanjeet Singh Gujral	Design and analysis of an algorithm to produce random trees	Somasundaram A	DP
89.	Sean Christopher Drosario	Obstacle detection and path navigation by autonomous mobile robots	Anand Kumar	DP
90.	Shah Aanchal Snehal	An Improved Naive Bayesian Image Classification Model	Alamelu Mangai	DP
91.	Sridevi Thyagarajan	Mass Cultivation and Solvent Extraction of Lipids from Microalgae	Ramachandran .S	DP
92.	Swastik Kar	Security issues in cloud computing	Susanna Sajoni Henry	DP
93.	V Nishita	Design of SISO Controller using MATLAB	Gomathi Bhavani .R	DP
94.	Vaibhav Kasturia	Design and analysis of algorithm to determine isomorphic graphs	Somasundaram A	DP
95.	Zeba Rahman	Implementation of Registration in MIPv4-MIPv6	Susanna Sajoni Henry	DP
96.	A.Rv. Gowtham Ram	Study and analysis of Biogas plant for	Miller Jothi .N.K	LOP

LIST OF FIRST DEGREE PROJECTS				
Second Semester 2013-2014 (February 2014 to June 2014)				
S.No.	Name	Topic	Instructor	Type
		thermal application in BITS Pilani Dubai Campus		
97.	Ahamed Jameel Bukhari	Design of Biogas plant for cooking application in BITS Pilani Dubai Campus hostel	Miller Jothi .N.K	LOP
98.	Akshay Deshpande	Study on Lux genes from <i>Vibrio</i> sps. for the development of biosensor	Gokhale Trupti Swarup	LOP
99.	Amees Darji	Study on coaguable and non-coaguable milk proteins	D J Shariff	LOP
100.	Anshul Singhal	FRP Mould and Panel Manufacturing for FSAE Body Panel and Driver Seat	Udayakumar	LOP
101.	Apoorv Baweja	VLSI implementation of high speed booth algorithm using Synopsys tools	Abdul Razak .A.R	LOP
102.	Aravind Vijayan	Conversion of home waste or commercial waste to renewable source of energy	Kavita Sunil Jerath	LOP
103.	Arvind Ramesh	Monitoring and control of filling a tank using PLC	Swarnalatha .R	LOP
104.	Ashley Lenilla Alva	Design and Analysis of Graphene based Electrochemical Sensors	Swaminathan .S	LOP
105.	Avinash Krishna Mayooranadh	design and fabrication of tool dynamometer	Periasamy .C	LOP
106.	Bafna Mrinal Sanjeev	PWM control of a DC motor using Arduino UNO	Mary Lourde .R	LOP
107.	Bella C Varghese	Analysis of water for Pharmaceutical industry.	Rajan R	LOP
108.	Bhupathi Raju Pranav Varma	Design and fabrication of quadric cycle chain mechanism	Venkatanaga Sankaram .M	LOP
109.	Deborah Hazel Nazareth	Germplasm diversity & salinity tolerance of <i>Citrullus colocynthis</i>	Ramachandran .S	LOP
110.	Disha	New techniques for manufacturing High - Efficiency, Flexible, Thin film solar cells	Muralidharan .B	LOP
111.	Elvino Do P Sirajio Rodrigues	Cutting force analysis using lathe tool dynamometer	Karthikeyan .R	LOP
112.	Gadipelli Himansh Reddy	Characterization of Phosphor materials	Amaranath .G	LOP
113.	Gangadhara Surya Uppalapati	Design And Fabrication Of Gearbox Using Spur Gears	Amaranath .G	LOP
114.	Govindolla Sree Geethi	Characterization of organic compounds by IR spectroscopy	Vijaya Ilango	LOP
115.	Imaad Hasan Khan	An automated irrigation system by sensing soil moisture content	Prasad .D.V	LOP
116.	Jaina Shah	Project design and analysis for clean agent system	Kavita Sunil Jerath	LOP
117.	Juweria Anam	Phytoremediation of textile dye residues in waste water	Gokhale Trupti Swarup	LOP
118.	Karan Sharma	Design and development of a dual fuel combustion system for a diesel engine with an alternate fuel	Udayakumar	LOP
119.	Lakshmi Suhitha Kari	Computer aided design and analysis of worm gearing used in a cement plant	Venkatanaga Sankaram .M	LOP
120.	Mandeep Kathuria	Design and fabrication of compound gear	Mallika Parveen	LOP
121.	Merchant Mohsin Shaukat	Solar photo catalytic decolorization of textile dyes	Prakash Kumar .B.G	LOP
122.	Minali Maitray Patel	Estimation of nitrate and nitrite in canned food	Geetha	LOP
123.	Monit Kothari	Project design and analysis of fire fighting system	Kavita Sunil Jerath	LOP
124.	Munzer Mustafa	Design and fabrication of double crank mechanism	Venkatanaga Sankaram .M	LOP
125.	N Zubair Ahmed	Application of chromatography techniques	Vijaya Ilango	LOP
126.	Pandit Harsh Harshangbhai	Effective Utilization of Waste management in BITS Pilani Dubai Campus	Miller Jothi .N.K	LOP
127.	Peri Aditya Kumar	Corrosion Inhibition in Oil field Pipelines	Muralidharan .B	LOP

LIST OF FIRST DEGREE PROJECTS				
Second Semester 2013-2014 (February 2014 to June 2014)				
S.No.	Name	Topic	Instructor	Type
		using Chemical Skids		
128.	Pulkit Gaiindhar	TIG welding of aluminum alloy	Karthikeyan .R	LOP
129.	Sanchita Khandelwal	BPA leaching and its estimation	Geetha	LOP
130.	Sharath Kumbalath Raju	Water level control system using Labview	Swarnalatha .R	LOP
131.	Shebin Suresh Kumar	Energy Prediction in Residential Buildings using Data Mining Techniques	Alamelu Mangai	LOP
132.	Sreeram Muralidharan	VLSI implementation of canonical Huffman coder using Synopsys tools	Abdul Razak .A.R	LOP
133.	Suchita Gera	Purification of carbohydrates by using activated charcoal for industrial applications	Ramachandran .S	LOP
134.	Tarang Katoch	VLSI implementation of Shannon fano coder using Synopsys tools	Abdul Razak .A.R	LOP
135.	Upala Banerjee	MEMS based Design and Analysis of a Blood Glucose monitor and control	Swaminathan .S	LOP
136.	Verma Yug Narendra	Surface roughness testing & optimization of machining parameters	Karthikeyan .R	LOP
137.	Vidhya Venugopal	Phytoremediation of pesticide residues in waste water	Gokhale Trupti Swarup	LOP
138.	Aditi Choudhary	Analysis and design of supply chain model for a specific organization	Pushkala M	LOP
139.	Aishwarya Garg	Characteristics of water for use in textile industry.	Rajan Ramaswamy	LOP
140.	Akash Rai	To Develop a Data acquisition system based on Bluetooth and Microcontroller	Jagadish Nayak	LOP
141.	Anomitra Banerjee	Analysis of the efficiency of a IC engine using biodiesel produced by microwave irradiation process	Surendra Kumar	LOP
142.	Avdheesh Goel	Design of a gear box	Mallika Parveen	LOP
143.	Aviral Talwar	Study And Design Of Structured Instability In Air Craft Structure	Surendra Kumar	LOP
144.	Dipin Rajan Pawar	Design of UAV-VTOL RC Aircraft	Amaranath .G	LOP
145.	Ishan Mehra	Study And Design Of Steam Jet Refrigeration	Surendra Kumar	LOP
146.	Jennifer D'souza	Microcontroller based antenna tracking system	Jagadish Nayak	LOP
147.	Modi Dhaval Atul	Designing of Mobile Application for Mechanical Engineers	Amaranath .G	LOP
148.	Moin Siddiqui	Analysis of operational management	Mallika Parveen	LOP
149.	P Rithwick	Computer aided design optimization of an automobile component	Udayakumar	LOP
150.	Rohit Vaidya	Calculation of ultrasonic velocity of binary liquid mixtures by various theoretical model	Karthiyayini .S	LOP
151.	Shaurya Aggrawal	study and design of rain water harvesting system	Surendra Kumar	LOP
152.	Shruthi Vellingiri	Design of low cost spirometer	Prasad .D.V	LOP
153.	Siddharth Swami	Air Leakage Impact On Air Conditioner Performance	Surendra Kumar	LOP
154.	Sivasankaran Durga Prasanth	Computer simulation of hydraulic systems using automation studio.	Udayakumar	LOP
155.	Sumana Pallampati	Design and Analysis of Patch Antenna using Microwave Studio	Abdul Razak .A.R	LOP
156.	Yeshasvi Mahadev	solar cooling and its efficiency variation with desiccants	Geetha	LOP
157.	A.R.V. Gowtham Ram	study and design of biomass plant	Periasamy .C	SOP
158.	Aathira Chandran	Mobile application using Oracle	M Madijagan	SOP
159.	Abdul Latif Shaikh Salim	Position control system design using LabVIEW	Prasad .D.V	SOP
160.	Abhishek Ravichandran	Application of machine learning	Madijagan	SOP
161.	Adiba Fauzan Khan	Study of Digital Identities in Cyberspace	Shazi Shah Jabeen	SOP
162.	Adwitya Shiv Aggarwal	Study Of Inventory Problem In Real Life Situation	Priti Bajpai	SOP

LIST OF FIRST DEGREE PROJECTS				
Second Semester 2013-2014 (February 2014 to June 2014)				
S.No.	Name	Topic	Instructor	Type
163.	Akella Ramyasri Vallikameswari	GIS in Health Management	Jeyalatha	SOP
164.	Akshay Sharma	Renewable energy technology by 2020 and beyond	Kavita Sunil Jerath	SOP
165.	Ananth Kolladikkal Premanadhan	Parton distribution functions from QCD Analysis	Karthiyayini .S	SOP
166.	Anaz Anjum Ashraf	Study Of Genetically Modified Pathway For Increased Production Of Biodiesel	Gokhale Trupti Swarup	SOP
167.	Angad Singh Oberoi	Design of a MEMS based CO2 sensor	Anand Kumar	SOP
168.	Anurag Reddy Ramireddy	Analysis of the effect of Green Supply Chain Management on specific industry	Pushkala M	SOP
169.	Arihant Sogani	Analysis of characteristics that go into making a world class CEO	Pushkala M	SOP
170.	Ashley Lenilla Alva	Biomedical applications of functionalized carbon nanotubes.	Vijaya Ilango	SOP
171.	Avinash Krishna Mayooranadh	Study of condition monitoring and diagnostic analysis of crank shaft bearings	Venkatanaga Sankaram .M	SOP
172.	Bala Ravitej Varma	Security Risks In Cloud Computing With An Emphasis On Vehicular Cloud Computing	Susanna Henry	SOP
173.	Bhatia Priyanka Ajay	A survey of Stream Data Mining : Techniques and Applications	Alamelu Mangai	SOP
174.	Bhupathi Raju Pranav Varma	study of HCCI and lean burn engines	Udayakumar	SOP
175.	Bokka Kartik Rajashekharrao	Investigation Of Technologies For Collaborative Product Design And Manufacture Of Aerospace Structures'	Surendra Kumar	SOP
176.	Charmy Nilesh Shah	Study of a Data Warehousing medical application	Sujala D Shetty	SOP
177.	Deeksha Madhusudan	Design of a Business Model : Product Enhancement using Branding Strategies	Aqila Rafiuddin	SOP
178.	Devansh Raj Kanchan	A Study of Emerging Trends in Digital Humanities	Shazi Shah Jabeen	SOP
179.	Faisal Khan	Study of four color theorem	Suhel Ahmad Khan	SOP
180.	Faisal Khan	Cloud Computing : Implementation Of Private Cloud And Security Issues	Nand Kumar	SOP
181.	G Akhila	Study on application of Lasers in Dentistry	Amaranath .G	SOP
182.	Ganesh Ram R K	CFD Analysis of Aerodynamic Structure	Periasamy .C	SOP
183.	Gangadhara Surya Uppalapati	Study and Investigation of Biodiesel oil using in Diesel Engine	Miller Jothi .N.K	SOP
184.	Gayathri Ganesh	Isolation of bacteria resistant to copper for synthesis of copper nanoparticles	Gokhale Trupti Swarup	SOP
185.	Goyal Saurabh Kaushal Kishoe	Study of contributing factors to foreign exchange risk premium in Gulf Cooperation Council Countries	Baskaran .S	SOP
186.	Hari Hara Subramanyam	Study and Design of an Application using BIG DATA ANALYTICS	Vijayakumar .B	SOP
187.	Joshya Jacob Varghese	A study on the Comparison of Building Management systems in INDIA and UAE.	Rajan R	SOP
188.	Khati Kruti Ghanshyamsingh	Application of Nature-based Techniques to Optimize Engineering Problems	Tapan Kumar Datta	SOP
189.	Mandeep Kathuria	Role of SCM in Business Performance	Aqila Rafiuddin	SOP
190.	Manvika Singh	Electronic Properties and Application of Carbon based nanostructures	Swaminathan .S	SOP
191.	Merchant Mohsin Shaukat	HR Systems & practices in mid sized organizations	Srinivasa Rao	SOP
192.	Minali Maitray Patel	A Study on Currency Fluctuation and its Impact on Different Sectors	Aqila Rafiuddin	SOP
193.	Mohammad Shabraiz Usmani	Encryption and decryption in cryptography	Susanna Sajoni Henry	SOP
194.	Mohammed Suhail Kader	Railway Track Security System	Prasad .D.V	SOP
195.	Mona Ajai	Importance of Leadership Quality in	Shazi Shah	SOP

LIST OF FIRST DEGREE PROJECTS				
Second Semester 2013-2014 (February 2014 to June 2014)				
S.No.	Name	Topic	Instructor	Type
		Continuous Performance Management	Jabeen	
196.	Mudit Singhvi	Foreseeing the After Effects on Dubai after EXPO 2020.	Maneesha	SOP
197.	Mufeeda Ali Hassan	Face Recognition Algorithms	Jagadish Nayak	SOP
198.	N Zubair Ahmed	Study Of Importance Of Cord Blood Banking	D J Shariff	SOP
199.	Naramsetty Navya	Comparative Study of SQL and NoSQL databases	Santhosh Kumar V	SOP
200.	Nitin Bhalla	Study of Networking architecture based on 3G & 4G	Mary Lourde .R	SOP
201.	Niyati Sharma	Different aspects and application of smart grid power system	A B Chattopadhyay	SOP
202.	Pandit Shruti Niranjana	Solving Engineering Problems Using Vedic Mathematics	Priti Bajpai	SOP
203.	Parvathy Sathyaprakasana	bioprocess economics of hydrogen production for fuel	Geetha	SOP
204.	Pirzan Cyrus Turel	A Study on National Language Planning and its Implications	Shazi Shah Jabeen	SOP
205.	Prachi Vijay Khadkikar	Micro level women entrepreneurs - issues & challenges U.A.E.	Srinivasa Rao	SOP
206.	Prarthna Michael Clare	Studies on culture media composition, light intensity and nutritional requirements for Microalgal growth	Ramachandran .S	SOP
207.	Prateek Khera	Micro level entrepreneurs: Empirical study of SMEs located in U.A.E	Srinivasa Rao	SOP
208.	Pratibha Saxena	To Develop a software package for Academic grading system	Jagadish Nayak	SOP
209.	Rahil Joshi	A Study on Synthesis of Nanocrystalline Materials with New Properties	Muralidharan .B	SOP
210.	Raman Vineeth Venkatakrishnan	Security Aspects of Cognitive Radio	Gomathi Bhavani .R	SOP
211.	Raunaq Paul	Design and Implementation of an encrypted messaging service via cloud based on windows azure for a web client	Vadivel .S	SOP
212.	Rishav Dash	Impact of Advertising on consumer behavior in IT industry.	Lajwanthi	SOP
213.	Rohan Maloo	Study on IC floor planning using PARQUET software	Abdul Razak .A.R	SOP
214.	Sadia Ahmed	Analysis of Environmental Sustainability Measures taken by an MNC	Pushkala M	SOP
215.	Sagar Kamra	Greenhouse impact of e-waste	B B Gulyani	SOP
216.	Sana Ishtiaq Patel	Understanding the Power of Self-organized Learning	Shazi Shah Jabeen	SOP
217.	Sana Zakir Hussain	Enhancing cloud storage security	Susila .S	SOP
218.	Sanjana Prakash Panicker	Railway track security systems	Prasad .D.V	SOP
219.	Shaik Mustafa Saif	Perception of Employees Towards 360 Degree Feedback	Mubeena Rahman	SOP
220.	Shezan Husen Mohamed M Wadiwala	Patient monitoring using system using PC	Swarnalatha .R	SOP
221.	Shreya Agarwal	The confusion matrix and its use in computerized speech test administration	T G Thomas	SOP
222.	Shreyas Shirish Patwardhan	Determination of formaldehyde in consumer goods	Geetha	SOP
223.	Shwetha N	Current developments in mass cultivation in microalgae for industrial applications	Ramachandran. S	SOP
224.	Snehil Kaushik	Review of nanocrystalline superconducting materials	Karthiyayini .S	SOP
225.	Soniya Leons Puthur	A study on deregulated power systems.	Sunil Thomas	SOP
226.	Srishti Singh	Biomarkers - a novel approach in detection of cardiovascular diseases.	Neeru Sood	SOP
227.	Subramanian Seshadri C	solar photo catalytic degradation for	Prakash Kumar	SOP

LIST OF FIRST DEGREE PROJECTS				
Second Semester 2013-2014 (February 2014 to June 2014)				
S.No.	Name	Topic	Instructor	Type
	Aiyer	wastewater treatment: A review	.B.G	
228.	Suchita Gera	Analysis of herbal formulation used as antidiabetic medicine	Gokhale Trupti Swarup	SOP
229.	Swathi Sampath	Assessment of Mortgage Applications using Fuzzy Logic	Kalaichelvi	SOP
230.	Syeda Afrah Shamail	Security issues & available solutions study for an education institute private cloud	Nand Kumar	SOP
231.	T M R Nikhilendra	Differential cross – section calculation of Deep – inelastic scattering	Karthiyayini .S	SOP
232.	Tania Stanly	Study on Linear wave theory	Kumar .K	SOP
233.	Tarang Katoch	Emerging Trends in Organizational Behavior	Shazi Shah Jabeen	SOP
234.	Vadalia Yash Ketan	Performance management systems practices in UAE	Srinivasa Rao	SOP
235.	Vishank Bhatia	Structural analysis of quadcopter using FEA	Karthikeyan .R	SOP
236.	Vishnusri N	A Study On Mixed Metal Catalysts in Industries	Rusal Raj Francis	SOP
237.	Yashaan Nari Cooper	Simulation Studies on Control of Quadcopter	Kalaichelvi	SOP
238.	Ajinkya Limaye	Developing a game	Sujala D Shetty	SP
239.	Ajmal Hussein Saudagar	Study of protection devices in substation & its components	Mary Lourde .R	SP
240.	Amritansh Varshney	Smart Building System Architecture Models	Gomathi Bhavani .R	SP
241.	Ananth Kolladikkal Premanadhan	Retrofitting of CNC Milling Machine	Kalaichelvi	SP
242.	Appani Rahul	Design and Analysis of Towercranes used in construction industry	Venkatanaga Sankaram .M	SP
243.	Aritra Guha Thakurta	Web based application development	Susila .S	SP
244.	Ashish Kumar Sharma	Swarm Robotic Programming	Santhosh Kumar V	SP
245.	Ayush Singhvi	Study and analysis of a RC Airplane using unconventional propulsion system	Mary Lourde .R	SP
246.	Bella C Varghese	Application of solar energy for the treatment of contaminants in waste water	B B Gulyani	SP
247.	Deborah Hazel Nazareth	Biomarkers For Early Cancer Diagnosis	Neeru Sood	SP
248.	Deepan Kishore Kumar	Multiplexible microfluidic platform for detection & analysis of bioparticles	Swaminathan .S	SP
249.	Faredun Jehanbux Mistry	Implementation of web content mining algorithm	Jeyalatha	SP
250.	G Akhila	VLSI implementation of FIR filter using Synopsys tools	Abdul Razak .A.R	SP
251.	Jinal Pravin Patel	Level control using LABVIEW	Swarnalatha .R	SP
252.	Kamalesh Keserker V	Fire Dynamics Simulation in Oil and Gas industry	Miller Jothi .N.K	SP
253.	Karan Sharma	Design and fabrication of auto component	Mallika Parveen	SP
254.	Menon Shweta Ramesh	study and design of cryogenic engine for space application	Periasamy .C	SP
255.	Nabanita De	Design and Implementation of a Clustering Model for Classifying Diabetic Retinopathy	Alamelu Mangai	SP
256.	Prachi Vijay Khadkikar	Analysis of a control model of a single machine infinite bus system taking the effect of power system stabilizer into account	A B Chattopadhyay	SP
257.	Prateek Khera	Utilization of waste biomass for the preparation of activated carbon	Prakash Kumar .B.G	SP
258.	Puranjay Rajpal	Developing software architecture for big data applications	Vadivel .S	SP
259.	R Bharath Kumar	Design and Analysis of a BLOOM FILTER Algorithm for HASH TABLES involving UNORDERED Dictionaries (in internet	Vijayakumar .B	SP

LIST OF FIRST DEGREE PROJECTS				
Second Semester 2013-2014 (February 2014 to June 2014)				
S.No.	Name	Topic	Instructor	Type
		search)		
260.	Rohan Savio	Design Of A Man In The Middle Attack Using Backtrack Software	Anand Kumar	SP
261.	Saad Abdul Rahim	Monitoring and control of filling a tank using conventional controllers	Swarnalatha .R	SP
262.	Sahu Sushmita Sitikantha	Design and fabrication of exhaust waste heat recovery system for IC engines	Udayakumar	SP
263.	Saumya Ratnakar Prakash Awasthi	Analysis and Formulation of Standards for cloud Computing	M Madijagan	SP
264.	Serrao Ninoshka Ronald	Active noise cancellation	Jagadish Nayak	SP
265.	Shefali Jayaseelan Joseph	Smart phone based system for healthcare applications	Jagadish Nayak	SP
266.	Vishnu Pradeep	File sharing web portal for academic purpose	RK Mittal	SP
267.	Yash Bangera	Developing a gaming application with AI features using Unity game Engine hings-small scale implementation	Sujala D Shetty	SP

LIST OF FIRST DEGREE PROJECTS				
First Semester 2014-2015 (September 2014 to January 2015)				
S.No.	Name	Topic	Instructor	Type
1.	Aabhas Dalal	Security Issues And Role Based Access Control In Cloud Computing	Susanna Sajoni Henry	DP
2.	Abdul Latif Shaikh Salim	Some Aspects Of Design Of Pid Controller	Adhir Baran Chattopadhyay	DP
3.	Adiba Fauzan Khan	An Eigen value-Based Similarity Measure And Its Application In Defect Detection	Vilas Haridas Gaidhane	DP
4.	Adonis Jacob D'mello	Designing A Model For DNA Construction	Gokhale Trupti Swarup	DP
5.	Aishwarya Garg	Solar Roadways -Future Energy Solution	Muralidaran	DP
6.	Aishwarya Jain	Business Evaluation Of Mergers And Acquisitions With The Application Of Soft Computing	Aqila Rafiuddin	DP
7.	Ajay Kumar	Forecasting The Sales Of Cars And Light Trucks In Us	Maneesha	DP
8.	Akshan Paresh Mehta	Control Strategies For Wind Turbine System	Kalaichelvi	DP
9.	Akshansh Chaudhary	Project Management Software And Its Application	Priti Bajpai	DP
10.	Akshay Srivastava	Control Aspects In A Chemical Process Through Cascade Control	Adhir Baran Chattopadhyay	DP
11.	Anantha Krishnan	Fourier Series Using C Programming	Suhel Ahmad Khan	DP
12.	Anaz Anjum Ashraf	Economics, Production And Yeild Capacity Of Microalgae In Photobioreactor In Outdoor Cultivation Conditions	Dawood Jalaluddin Shariff .D	DP
13.	Andrena Sharon Tampiraj	Physics Of Debye Temperature And Structure Of Nanomaterials	Karthiyayini .S	DP
14.	Anitta Tomy	Design Of Parking Sensor System In Automobiles	Kalaichelvi	DP
15.	Anomitra Banerjee	Energy Balance And Co-Generation For The Cement Industry	Periasamy .C	DP
16.	Anoop Aravindakshan Pillai	Engineering Applications Of Laplace Transform Using Matlab	Baskaran .S	DP
17.	Arbaaz Arif	Design And Analysis Of Pwm Control Of An Induction Motor Using Matlab Simulink	Mary Lourde	DP
18.	Archit Mehta	Design And Analysis Of A Vector Controlled Induction Machine Using Digital Signal Processor	Mary Lourde	DP

LIST OF FIRST DEGREE PROJECTS				
First Semester 2014-2015 (September 2014 to January 2015)				
S.No.	Name	Topic	Instructor	Type
19.	Armaan Zafar	Fluid Flow Analysis On Fsaec Car Model Using Ansys	Periasamy .C	DP
20.	Arshdeep Singh	Design Of Course Management System	Susanna Sajoni Henry	DP
21.	Arun Das	Design Of A Mini Laser Engraver	Amaranath .G	DP
22.	Arvind Somasundaram	Video Anomaly Detection And Pattern Recognition	Sujala Deepak Shetty	DP
23.	A Sessa Hari Madhava Chaitanya	Designing A Gui For The University Student Information System Using Open Source Software Tools.	Madiajegan	DP
24.	Ashiq Mohammed Ashraf	Design Of Pid Controller For Unstable System	Vilas Haridas Gaidhane	DP
25.	Aspiya A S	A Data Mining Model For Software Cost Estimation	Alamelu Mangai	DP
26.	Atulya Prakash	Forced Convective Heat Transfer In Nanofluids	Bharat Bhushan Gulyani	DP
27.	Atulya Rajendran Paramparambath	Analysis Of Corporate Governance In UAE	Aqila Rafiuddin	DP
28.	Avdheesh Goel	Analysis Of Strength Of Gas Tungsten Arc Welding	Periasamy .C	DP
29.	Aviral Talwar	Design Of An Improved Method For Rain Water Harvesting	Kavita Sunil Jerath	DP
30.	Ayush Dattagupta	Digitalization Of Physics Lab	Amaranath .G	DP
31.	Balakrishnan Nitish	Simulation Of A Hydraulic Piping System Using Automation Studio	Udayakumar	DP
32.	Bansal Ankit Rakesh	Implementation Of Students Portal Using Mobile-Aware Cloud Computing	Vadivel .S	DP
33.	Bhagyasri Canumalla	Design And Analysis Of A Meta Search Engine	Jeyalatha	DP
34.	Bhatia Priyanka Ajay	Parameter Selection For Chemical Process Modeling	Alamelu Mangai	DP
35.	Charmy Nilesh Shah	Logistics In Transportation	Priti Bajpai	DP
36.	Cherlakola Nitish Reddy	A Simulation Study On Optimal Imc Based Pid Controller	Vilas Haridas Gaidhane	DP
37.	Deeksha Madhusudan	Design And Analysis Of Corporate Business Models	Aqila Rafiuddin	DP
38.	Dinesh Balani	Design Of Software Architecture For Document Management System Using Pipelines Under Linux	Vijayakumar .B	DP
39.	Divya Henry William	Analysis Of Dual Stack Mechanism	Susanna Sajoni Henry	DP
40.	Faisal Khan	Discrete Event Simulation And Its Applications	Tapan Kumar Datta	DP
41.	Ganesh Ram R K	Design Of Matlab Based Control System For Quadcopter	Periasamy .C	DP
42.	Gaurang Datta	Design Of Bearings	Mallika Parveen	DP
43.	Gaurav Sunil Dangi	Solving A Real Life Transportation Problem	Priti Bajpai	DP
44.	Gayathri Ganesh	Synthesis Of Copper Nanoparticles Using Bacteria	Gokhale Trupti Swarup	DP
45.	Goyal Saurabh Kaushal Kishore	Designing Of Micro & Nano Materials Using Cad Tools For Application As Sensors	Swaminathan .S	DP
46.	Gurwinder Singh	Modeling And Simulation Of Three Phase Induction Motor Under Non Sinusoidal Excitation	Adhir Baran Chattopadhyay	DP
47.	Harminderdeep Singh Ahluwalia	Some Aspects Of Solar Power Array Modeling Involving Power Electronic Devices	Sunil Thomas	DP
48.	Hussain Quresh	Programmable Logic Controllers For Industrial Applications	Gomathi Bhavani .R	DP
49.	Indrani Sen	App Development On Analysis And Comparison Of Various Novels	Susanna Sajoni Henry	DP
50.	Ishita Gupta	Lighting System Design Of Sustainable Buildings: Educational Facility	Anand Kumar	DP
51.	Iyer Aiswarya Rajesh	Data Mining And Applications In Bio-	Jeyalatha	DP

LIST OF FIRST DEGREE PROJECTS First Semester 2014-2015 (September 2014 to January 2015)				
S.No.	Name	Topic	Instructor	Type
		Informatics		
52.	Jehad Jameel Ahmed	Designing MEMS Based Sensor To Detect Co	Anand Kumar	DP
53.	Jinal Pravin Patel	Traffic Light Control Using Plc	Swarnalatha .R	DP
54.	Kushagra Patel	Application Of Web Mining In Health Care	Jeyalatha	DP
55.	Kushboo Mahajan	Analysis Of Performance Of Radial And Ring-Main Distribution Systems	Adhir Baran Chattopadhyay	DP
56.	Lovita Elesa Miranda	Designing An App To Determine The Protein Sequence	Gokhale Trupti Swarup	DP
57.	Madiha Afreen	Dynamic Pricing For Air Ticketing – A Computer-Based Approach	Tapan Kumar Datta	DP
58.	Manik Sharma	Evaluation Of Heat Gain In Daylighting Schemes	Gomathi Bhavani .R	DP
59.	Manisha Kakwani	Analysis Of Private Cloud Implementations And Security Policies Followed By Academic Institutions	Nandkumar	DP
60.	Marathe Prateek Chandrashekhar	Study On Hadoop Application Development	Santhosh Kumar Vasudevan	DP
61.	Maria Sneha Miranda	Modeling And Control Of A Cstr Process	Kalaichelvi	DP
62.	Mihir Rai	Design Of Distributed Wide Data Management Using Metadata And Semantics Under Linux	Vijayakumar .B	DP
63.	Modi Dhaval Atul	Design And Analysis Of Braking System	Mallika Parveen	DP
64.	Mohammad Shabraiz Usmani	Fuzzy Keyword Search Using Encryption In Cloud Computing	Susila .S	DP
65.	Moin Siddiqui	Design Of Tentacle Crane Mechanism	Mallika Parveen	DP
66.	Mufeeda Ali Hassan	Analysis Of Risk Management In Oil Companies In UAE	Aqila Rafiuddin	DP
67.	Mustafa Sayed S H	Design And Analysis Of Sprocket For The Rear Differential	Mallika Parveen	DP
68.	Nabanita De	Object Recognition Using Machine Learning Techniques	Kalaichelvi	DP
69.	Najeeb Kunduvayil Padinh Arathil	Numerical Solutions And Applications Of Chebyshev Polynomials	Suhel Ahmad Khan	DP
70.	Nitin Bhalla		Mubeena Iqbal	DP
71.	P Rithwick	Kinematic Analysis Of Wind Turbine	Karthikeyan .R	DP
72.	Pandya Nakul Amrish	Computer Aided Design And Analysis Of Disc Brake Rotors	Udayakumar	DP
73.	Parth Anant Berde	Building Systems Energy Management And Control	Gomathi Bhavani .R	DP
74.	Pawan Kumar Sharma	Design/Analysis Of 4g Telecom Standards	Anand Kumar	DP
75.	Prabhjot Singh	Develop Web Gis Based Intelligent Transportation Application System Using Web Service Tech.	Susila .S	DP
76.	Prashanti Balaji	Flame Image Analysis Using Image Processing	Vilas Haridas Gaidhane	DP
77.	Pulkit Yadav	Digitalization Of Physics Lab	Amaranath .G	DP
78.	Radhika Narain	Modeling And Simulation Of Tubular Photobioreactor	Prakash Kumar .B.G	DP
79.	Rahul Gupta Kambampati	Multiple Regression And Correlation And Its Application In Real Life	Maneesha	DP
80.	Rahul Varma	Video Anomaly Detection And Classification	Sujala Deepak Shetty	DP
81.	Rajarshi Sinha	Design And Analysis Of A Chopper Fed Dc Series Motor Speed Control	Sunil Thomas	DP
82.	Ronak Rajesh Sumbaly	Real Time Face Recognition Based On Eigen Faces And Distance Measure	Vadivel .S	DP
83.	Sadia Ahmed	Project Design For Setting Up An Sme In Dubai	Pushkala Muralidharan	DP
84.	Sana Ishtiaq Patel	Image Sharpness Measure Using Eigen values	Vilas Haridas Gaidhane	DP
85.	Sangeetha Ashokan Karumathil	Analysis Of Voltage Stability Problem In Electrical Power System	Sunil Thomas	DP

LIST OF FIRST DEGREE PROJECTS				
First Semester 2014-2015 (September 2014 to January 2015)				
S.No.	Name	Topic	Instructor	Type
86.	Sanjeet Singh Gujral	Inventory Problems, A Case Study	Priti Bajpai	DP
87.	Sathish Kumar R S	Fluid And Thermal Analysis Of Space Shuttle	Periasamy .C	DP
88.	Satvik Balaji	Development Of Commercial Microalgal Culture Media For Testing In Tubular Photobioreactor For Mass Production Of Biomass For Industrial Applications	Ramachandran .S	DP
89.	Sayed Muntajibuddin	Computer-Based Solutions Of Transportation And Assignment Problems	Tapan Kumar Datta	DP
90.	Sean Christopher Drosario	Study And Design Of A Near Field Communication Application For Android Based Smartphone	Jagadish Nayak	DP
91.	Shajitha Seyed Ismail	Feature Extraction for Medical Image Classification	Alamelu Mangai	DP
92.	Shibani Nasser	Modeling and simulation of dynamics of a three phase induction motor	Sunil Thomas	DP
93.	Snatika Sarkar	Studies On Chemical Storage Of Energy	Bharat Bhushan Gulyani	DP
94.	Sneha Jayan	Modeling and Analysis of Carbon nanotube based devices	Swaminathan .S	DP
95.	Soumya Saxena	Design and Optimization of automotive exhaust systems	Surendra Kumar	DP
96.	Sridevi Thyagarajan	Testing Total Lipid Contents in Unicellular Microalgae Under Salt, pH and Temperature Stress Conditions	Ramachandran .S	DP
97.	Srishti Singh	Design and simulation of a microcantilever-based sensor for diagnosis of Acute Myocardial Infarction	Neeru Sood	DP
98.	Subulekshmi A	To Develop web GIS based intelligent transportation application system using web service Technology	Susila .S	DP
99.	Sumona Das	Modeling of Doubly fed Induction Motor as a two-port network.	Adhir Baran Chattopadhyay	DP
100.	Suraj Sivaprasad	Design consideration for CODEC in H.264	Vijayakumar .B	DP
101.	Swastik Kar	Non-Parametric Hypothesis on the sales of Cars and Light Trucks in US	Maneesha	DP
102.	Syed Faisal Ahmed	Designing MEMS based sensor to detect CO ₂	Anand Kumar	DP
103.	Tessa Ann John	Design Of Integrated Renewable Energy Power Generator For Vehicular Sub Suystems	Surendra Kumar	DP
104.	Upanyas	Applications and algorithms of Muller method	Suhel Ahmad Khan	DP
105.	V Pavankumar	Study of surface structure analysis of ferrous and non-ferrous metal in TIG welding	Periasamy .C	DP
106.	Vidhya Venugopal	Testing Total Lipid Contents in Filamentous Microalgae Under Salt, pH and Temperature Stress Conditions	Ramachandran .S	DP
107.	Vidur Manoj Seth	Designing of FAUCETS for sanitary	Miller Jothi .N.K	DP
108.	Vidya Janardhana	Design Of Thermoelectric Generators Based On Heat Recovered From The Exhaust Gases Of Automobiles	Surendra Kumar	DP
109.	Vijit Katta	Design of Distributed audio data management using metadata and semantics under LINUX	Vijayakumar .B	DP
110.	Yash Jayesh Shah	Optimization of Forging billets	Venkatanaga Sankaram .M	DP
111.	Yashaan Nari Cooper	Line follower Robot using Microcontroller	Kalaichelvi	DP
112.	Yogin Ramesh Pambhar	Hydraulic Circuit Analysis Of Automobile Applications	Karthikeyan .R	DP
113.	Aarti Swaminathan	Growth Characteristics Analysis And Study In Variation Of Superoxide Dismutase And Ascorbate Peroxidase Activity In Response To Salinity Stress In Barley	Neeru Sood	LP
114.	Abhay Ailawadhi	Design of Dynamometer for Radial Drilling	Miller Jothi .N.K	LP

LIST OF FIRST DEGREE PROJECTS First Semester 2014-2015 (September 2014 to January 2015)				
S.No.	Name	Topic	Instructor	Type
		machine		
115.	Aditya Rathi	Developing a Windows based Placement/Interview Scheduling Software	Madijagan	LP
116.	Aiman Rab	To study the variation in Superoxide Dismutase and Ascorbate Peroxidase enzyme expression and activity in response to salinity in plants.	Neeru Sood	LP
117.	Aishwarya Kamalapuram Sridhar	Design and Analysis of Micro Mirror Arrays for Application in Optical MEMS	Swaminathan .S	LP
118.	Akshay Anil Nair	Measurement of Lift and Drag Force for a Aerodynamic Body in a Wind Tunnel	Periasamy .C	LP
119.	Alok Rajiv	Development of online laboratory viva-voce software system for Physics Lab	Ramadoss Roop Kumar	LP
120.	Alisha Annie Maben	To analyze the bioactive compounds present in the <i>Citrullus colocynthis</i> Schrad plant extracts.	NEERU SOOD	LP
121.	Anaz Anjum Ashraf	Development of Low cost Culture Medium for Mass Production of <i>Spirulina platensis</i> for Testing in Photobioreactor and its Industrial Applications	Ramachandran .S	LP
122.	Anomitra Banerjee	Analysis on reduction of carbon footprint in the cement Industry	Miller Jothi .N.K	LP
123.	Apoorva Singh	Some Aspects Of Optimal Control Systems	Adhir Baran Chattopadhyay	LP
124.	Armaan Dudi	Design of Dynamometer for Milling machine for central workshop	Miller Jothi .N.K	LP
125.	Arun Das	Generating free energy from magnetic field	Kavita Sunil Jerath	LP
126.	A Sessa Hari Madhava Chaitanya	Design and Implementation of Instance Based Classifier for Data Mining	Santhosh Kumar Vasudevan	LP
127.	Atullya Prakash	Estimation of BPA leached from food cans	Geetha	LP
128.	Bulbul Bhaskar	Digital Control Home Automation System	Swarnalatha .R	LP
129.	Gary Shelton Hubert Sequeira	Estimation of formaldehyde content in air	Geetha	LP
130.	Gauthmi Hareesh Ahir	To study the variation in Catalase and Glutathione Reductase enzyme expression and activity in response to salinity in plants.	Neeru Sood	LP
131.	Jennifer D'souza	RF Amplifier design for satellite communication using RF EDA tool	Abdul Razak .A.R	LP
132.	Karthik	Calibration Of Tool Dynamometer	Surendra Kumar	LP
133.	Kushboo Mahajan	A simple approach for stability margin of discrete systems	Vilas Haridas Gaidhane	LP
134.	Madhu Nagarajan	Experimental investigations in a petrol engine with alternate fuels.	Udayakumar	LP
135.	Mahidhara Utsav	Nano ribbon based FET for applications in gas sensing	Swaminathan .S	LP
136.	Mohammed Zaid Uzzaman Ansari	Verifying the Correctness of code using Z Methods	Swarnalatha .R	LP
137.	Nalakath Aashir Ali	Applications of Laser in treatment of acne and Melasma	Dawood Jalaluddin Shariff .D	LP
138.	Neha Ann Joseph	Design Of Ultrasonic Distance Measuring System	Swarnalatha .R	LP
139.	Nida Imtiaz	VLSI implementation of IC floor planning	Abdul Razak .A.R	LP
140.	Nitharshini Sivakumar	Arduino based finger print identification system	Jagadish Nayak	LP
141.	Nitin Bhalla	Analysis of risk Based Compliance Audits	Aqila Rafiuddin	LP
142.	Niyati Joshi	estimation of formaldehyde in cigarette smoke	Geetha	LP
143.	Palak Lad	Analysis of Gas Detection System Using Neural Network	Swaminathan .S	LP
144.	Parvathy B	Remediation of pesticide in waste water using plants	Gokhale Trupti Swarup	LP
145.	Prashanth Srinivasan	Bacteriological and Physicochemical analysis of Wastewater	Vijaya Ilango	LP

LIST OF FIRST DEGREE PROJECTS First Semester 2014-2015 (September 2014 to January 2015)				
S.No.	Name	Topic	Instructor	Type
146.	Radhika Narain	Significance of iron in food products	Vijaya Ilango	LP
147.	Rajarshi Sinha	Intelligent Control Technique for Autonomous Unmanned Aerial Vehicle	Kalaichelvi	LP
148.	Reshma Babu	estimation of formaldehyde in cigarette smoke adsorbed in clothes	Geetha	LP
149.	Revathy Krishnakumar	Remediation of textile dye in waste water using plants	Gokhale Trupti Swarup	LP
150.	Rohit Bhasi T	Home automation system by mobile communication	Abdul Razak .A.R	LP
151.	Rohit Vaidya	Online measurements of various parameters for the various laboratory reactors.	Prakash Kumar .B.G	LP
152.	Rudraraju Ganesh Varma	Characterization Of Tool Materials	Karthikeyan .R	LP
153.	Saifuddin Mohammed	Micro Structural Analysis Of Welded Joints	Karthikeyan .R	LP
154.	Salim Siddiqui	Fabrication and testing of laminate composites	Karthikeyan .R	LP
155.	Sheikh Mohammed Zabihullah	Design and develop Bluetooth based data acquisition system	Jagadish Nayak	LP
156.	Shourya Srimath Tirumala	Design and fabrication of sheet metal/forming fixture	Venkatanaga Sankaram .M	LP
157.	Siddhi Bharatkumar Shah	Design and Modeling of Sieve Plate Distillation Column	Swarnalatha .R	LP
158.	Subramanian Seshadri C Aiyer	Nucleon structure functions calculations using thermodynamical bag model.	Karthiyayini .S	LP
159.	Swathi Murali	To Analyse The Growth Characteristics And Variation In Glutathione Reductase And Catalase Enzyme Activity In Response To Salinity In <i>Hordeum Vulgare</i>	Neeru Sood	LP
160.	Syed Mohammed Ataullah Jafri	Testing of CI engines with performance improvement additives	Udayakumar	LP
161.	V Pavankumar	Design and fabrication of weld thermocouples	Venkatanaga Sankaram .M	LP
162.	Vernon Jacinto Fernandes	Design and Implementation of Paperless Notice Board	Santhosh Kumar Vasudevan	LP
163.	Vijay Joe Oommen	Impact Strength Of Welded Joints	Karthikeyan .R	LP
164.	Vishakha Sharma	Cultural Characterization of Bacteria Synthesizing Copper nanoparticles	Gokhale Trupti Swarup	LP
165.	Vishrut Balakrishnan	Microscopic Analysis Of Welded Joints	Surendra Kumar	LP
166.	Yogin Ramesh Pambhar	Design of Gears	Mallika Parveen	LP
167.	Aashna Mittal	Evaluation and Analysis of Corporate Performance	Aqila Rafiuddin	SOP
168.	Abhishek Mahajan	Neural Prosthetics	Anand Kumar	SOP
169.	Aditya Shanker	Privacy and Security related challenges in Cloud Computing	Madiajegan	SOP
170.	Aishwarya Garg	An appraisal of manpower training & development in service organization	Pushkala Muralidharan	SOP
171.	Aishwarya Jain	Foreign Exchange Rate prediction using artificial neural networks	Santhosh Kumar Vasudevan	SOP
172.	Akash Kadel	Study of Web Application Development Framework	Santhosh Kumar Vasudevan	SOP
173.	Akshansh Chaudhary	A Study on Working Capital Management in Pharma Industry	Aqila Rafiuddin	SOP
174.	Akshay Anil Nair	Study of superconductivity in metals	Kavita Sunil Jerath	SOP
175.	Akshay Kumar	Study and Analysis of GSM Based Electric Meter Billing System	Anand Kumar	SOP
176.	Ambadi Muni Prakash	VLSI Design with FinFETs	Anand Kumar	SOP
177.	Amir Jalil Ahmed Bukhari	Application of Carbon Nanotubes in Biomedical Studies	Vijaya Ilango	SOP
178.	Anthony Rhea Michael	Statistical computing to create statistics on attendance and CGPA records using R language	Susanna Sajoni Henry	SOP
179.	Anurag Bejju	Cloud Computing for Banking and Investment Services	Aqila Rafiuddin	SOP
180.	Anusuya Gohain Baruah	Wireless Health Monitoring System	Swarnalatha .R	SOP

LIST OF FIRST DEGREE PROJECTS				
First Semester 2014-2015 (September 2014 to January 2015)				
S.No.	Name	Topic	Instructor	Type
181.	Arshi Farid	Cloud computing in Health Care	Madiajegan	SOP
182.	Arunesh Shrivastava	A study on Electrical network analysis using Graph theory	Somasundaram Arumugam	SOP
183.	Aspiya A S	Oracle supply chain Management	Muralidaran	SOP
184.	Atulya Rajendran Paramparambath	Supervisory Control and Data Acquisition systems	Swarnalatha .R	SOP
185.	Aviral Talwar	Study And Analysis Of Formula 1 Car Suspensions	Karthikeyan .R	SOP
186.	Avishek Goel	Study of MEMS Thermoelectric Heat Exchanger	Mallika Parveen	SOP
187.	Balakrishnan Nitish	Study of Fluid Flow Analysis in Rocket Nozzle using Fluent	Periasamy .C	SOP
188.	Chavali Bhavana Bharadwaj	Genetic Biomarkers for Cancer detection	Neeru Sood	SOP
189.	Gaurav Sunil Dangi	Impact of Attendance on Performance of students in Engineering Program	Maneesha	SOP
190.	Gayathri Venugopal	HRM Practices in UAE organizations	Srinivasa Rao	SOP
191.	Hanna Zehara	Study and Analysis of Addressing complexities involved in IPv6 an dIPv4 address	Susanna Sajoni Henry	SOP
192.	Harminderdeep Singh Ahluwalia	Fuzzy Logic based Speed Control of Shunt DC Motor	Santhosh Kumar Vasudevan	SOP
193.	Hussain Quresh	Engineering Applications of Higher Differential Equations Using MATLAB	Baskaran .S	SOP
194.	Inshiah Patanwala	Web data mining and applications in Medicine	Jeyalatha	SOP
195.	Ishan Mehra	Study and design of a steam drum	Ramados Roop Kumar	SOP
196.	Iyer Aiswarya Rajesh	Study and analysis of the performance of the ACB students	Somasundaram Arumugam	SOP
197.	Janhavi Shanker Velandy	Study of Heat Transfer in Photovoltaic Cells	Bharat Bhushan Gulyani	SOP
198.	Jay Vijay Zarekar	Study and analysis of Engine Exhaust heat recovery system	Udayakumar	SOP
199.	Jisa Jacob Chittilappilly	Real Life Applications of Differential Equations	Suhel Ahmad Khan	SOP
200.	Joel Lanzil	Comparison of Electrical cars with Gasoline cars	Kavita Sunil Jerath	SOP
201.	Khairunnisa Abdul Waheed Abdar	Media and Society	Mubeena Iqbal	SOP
202.	Khilesh Kumar Dodeja	Data Mining for Mechanical Engines	Santhosh Kumar Vasudevan	SOP
203.	Kotta Prithvi Krishna Reddy	Study on Machinery used in Construction of Roads & Highways	Venkatanaga Sankaram .M	SOP
204.	Kushagra Patel	A Survey on Security for Mobile Devices	Vadivel .S	SOP
205.	Likitha S	Emerging trend of GIS.	Susila .S	SOP
206.	Madhu Nagarajan	Toyota Production Systems	Anand Kumar	SOP
207.	Madiha Afreen	Ancient Indian Mathematics and its Use in Solving Engineering Problems	Priti Bajpai	SOP
208.	Mohamed Rayyan Abdul Majeed	SME Entrepreneurs	Srinivasa Rao	SOP
209.	Mohammed Arfaz Ayoob	Study on energy awareness modelling	Gomathi Bhavani .R	SOP
210.	Mohammed Imad	Comparative study on Microaneurysm detection techniques using Fundus images	Jagadish Nayak	SOP
211.	Mohammed Muzammil Kaleemulla	Analysis & Implementing Tunneling techniques in MIPv4/ MIPv6	Susanna Sajoni Henry	SOP
212.	Mohammed Sabin	Implementation of regression analysis of house rent factor on Economic growth in Dubai	Baskaran .S	SOP
213.	Moin Siddiqui	Calorie Management using Content Based Image Recognition	Pushkala Muralidharan	SOP
214.	Nandhini Sreekumar	A study on applications of graph theory in	Somasundaram	SOP

LIST OF FIRST DEGREE PROJECTS First Semester 2014-2015 (September 2014 to January 2015)				
S.No.	Name	Topic	Instructor	Type
		Electrical and Communication engineering	Arumugam	
215.	Naraayani Swaminathan	Study On Superconducting Energy Storage Systems	Adhir Baran Chattopadhyay	SOP
216.	Nidadavolu Jwalith Sai Narasimha Raju	Cryogenic treatment of materials	Karthikeyan .R	SOP
217.	Nikhath Fatima	Study on different grades of instruments in BPDC Biot Labs and its applications	Dawood Jalaluddin Shariff .D	SOP
218.	Nirupama Manjunatha Dixit	Nano particles, basic understanding and their role in genetic diseases	Krishna Kumar Singh	SOP
219.	Nishant Vijay	Study on Reconfigurable Computing	Abdul Razak .A.R	SOP
220.	Nuzhat Fatima	Economic analysis of biodiesel production in the UAE	Gokhale Trupti Swarup	SOP
221.	P Rithwick	Study of application of lean six sigma techniques for fabrication process in an industry	Surendra Kumar	SOP
222.	Prabhmehar Singh	Data Mining in Chemical Process Industry	Santhosh Kumar Vasudevan	SOP
223.	Pranavi Macharla	The Evolution of 4G Cellular Systems: LTE-Advanced	Jagadish Nayak	SOP
224.	Rafid Ahmed Jukaku	Private cloud applications hosting and it's security studies.	Nandkumar	SOP
225.	Rahul Gupta Kambampati	Study on Design of satellite	Abdul Razak .A.R	SOP
226.	Ria Kottamurickal	Study of the Corporate Social Responsibility Audits	Shazi Shah Jabeen	SOP
227.	Rohit Bhasi T	Data mining in Bio-Medicine specific application to Medical Imaging	Jagadish Nayak	SOP
228.	Rohit Ravishankar	A Study of Optimization Techniques	Alamelu Mangai	SOP
229.	Rohit Vaidya	Internal friction and its relations to various physical parameters in solids and liquids	Karthiyayini .S	SOP
230.	Ruchi Mukeshkumar Sodwadia	Importance of Soft Skill in the HR industry with Special Reference to UAE	Lajwanti	SOP
231.	Saad Kaleem Ahmed	Professional Ethics in Engineers	Mubeena Iqbal	SOP
232.	Sahapdheen Muhammad Madhih	Modern air conditioning systems in green buildings.	Udayakumar	SOP
233.	Saifuddin Mohammed	Study of reduction of CO2 emissions in oil and Gas based thermal power plant in UAE	Miller Jothi .N.K	SOP
234.	Sakshi Ranka	Designing a Biosensor for detection of coliforms	Gokhale Trupti Swarup	SOP
235.	Salim Siddiqui	Performance Improvement using Project Planner	Pushkala Muralidharan	SOP
236.	Sam Thomas	Data analysis for multidimensional scaling for product positioning using SPSS	Baskaran .S	SOP
237.	Sana Gulam Mohamed Shaikh	The Science and Technology of Colors	Bharat Bhushan Gulyani	SOP
238.	Sarah Siddiqua	Comparative Study of Data Mining Algorithms	Vadivel .S	SOP
239.	Sean Christopher Drosario	Correlation and its application in real life	Maneesha	SOP
240.	Shafi Abdullah Nayaf Shafi Akhtar	Micro level entrepreneur	Srinivasa Rao	SOP
241.	Sharat Saagar	Mathematical methods used for calculation of Insurance premium to the property insurance	Baskaran .S	SOP
242.	Shrey Iyengar	XRD studies of Fe- B systems	Kavita Sunil Jerath	SOP
243.	Shubhankar Dumka	Comparative Study of SQL and NoSQL Databases	Santhosh Kumar Vasudevan	SOP
244.	Siddhant Kothari	Study of a Real Life Problem with Multiple Goals	Priti Bajpai	SOP
245.	Singavarapu Fred Herold	Study of IMC based controller	Vilas Haridas Gaidhane	SOP
246.	Sreekaavya K	Application of Mathematics in Finance	Tapan Kumar Datta	SOP
247.	Steve Sabu	Statistical analysis of growth in retail online transactions and their impact on business organization using SPSS	Baskaran .S	SOP

LIST OF FIRST DEGREE PROJECTS				
First Semester 2014-2015 (September 2014 to January 2015)				
S.No.	Name	Topic	Instructor	Type
248.	Steven Davies Davy	Study on Implantable Neural Microsystems	Mary Lourde	SOP
249.	Syed Zeeshan Ahmed	Study on some aspects of smart grid power systems	Sunil Thomas	SOP
250.	Syed Usama Bukhari	Study on growth, properties and applications of ZnO nanostructures	Ramadoss Roop Kumar	SOP
251.	Trahern Ralph Abreu	Designing of Biogas plant using kitchen waste for BITS Pilani, Dubai campus	Miller Jothi .N.K	SOP
252.	Vichare Devyani Sandesh	The Elements of Suspicion and Thrill in the Novels of Sidney Sheldon	Lajwanti	SOP
253.	Vishakha Sharma	Quantifying the carbon footprint at BPDC	Geetha	SOP
254.	Viswanathan Hariharan	Study of cloud implementations and security policies by the academic institutions	Nandkumar	SOP
255.	Yash Jayesh Shah	Role Of Negotiations In Conflict Management	Shazi Shah Jabeen	SOP
256.	Aashna Mittal	Verifying the Correctness of code using Z Methods	Madiajegan	SP
257.	Aditya Vikram Singh	Design and Implementation of Content Based Image Retrieval Algorithm in a Distributed Environment	Vijayakumar .B	SP
258.	Amees Darji	Analysis of herbal formulation used as antidiabetic medicine	Gokhale Trupti Swarup	SP
259.	Arun Chris Sebastian	Study & analysis on Software Defined Networks, its concepts, applications & its future	Madiajegan	SP
260.	Avdheesh Goel	Design of Plastic Injection Moulding Process	Mallika Parveen	SP
261.	Avishek Goel	Design and analysis of Gas fired Furnace	Periasamy .C	SP
262.	Charmy Nilesh Shah	Implementation of Hive on Hadoop	Sujala Deepak Shetty	SP
263.	Dev Dua	Deployment of a parallelized cryptographic system on a Beowulf cluster with 3 computing nodes using OpenMPI	Sujala Deepak Shetty	SP
264.	Dinesh Balani	Windows Azure Mobile Services	Vadivel .S	SP
265.	Faraaz Zaman	Design Considerations for Packetization Modes in H.264	Vijayakumar .B	SP
266.	Faraz Luqman Bilgrami	Motives and Challenges of implementing the smart grid	Gomathi Bhavani .R	SP
267.	Gaurang Datta	Study of Vibration monitoring Methodologies of bridges	Venkatanaga Sankaram .M	SP
268.	Gurwinder Singh	Analysis and Implementation of Translation in IPv4 & IPv6.	Susanna Sajoni Henry	SP
269.	Hydari Masuma Begum	Animal Models For The Study Of Human Disorders	Ramachandran .S	SP
270.	Jisa Jacob Chittilappilly	Development of a Motion Detection System	Madiajegan	SP
271.	Mohamed Rayyan Abdul Majeed	Finite element analysis of bridge truss	Venkatanaga Sankaram .M	SP
272.	Nida Imtiaz	Optical Sensor based Heart Beat Monitoring System	Kalaichelvi	SP
273.	Raunaq Paul	Study report on Software Defined Networks, its concepts, applications & Future Prospects.	Madiajegan	SP
274.	Ronak Rajesh Sumbaly	Design and Implementation of a Data Mining Model for Chemical Process	Alamelu Mangai	SP
275.	Sana Zakir Hussain	Creating and managing Hadoop clusters in the cloud	Sujala Deepak Shetty	SP
276.	Sanjeet Singh Gujral	Cloud Computing and its major application	Susila .S	SP
277.	Shourya Srimath Tirumala	Designing of photovoltaic cell for power generation in BITS Pilani Dubai Campus	Miller Jothi .N.K	SP
278.	Sumana Pallampati	Conceptual design of Mobile RADAR for speed monitoring	Abdul Razak .A.R	SP
279.	Tanya Sahani	Meta Search Engine Based Algorithm for Web Content Mining	Vijayakumar .B	SP
280.	Vidya Janardhanan	Computer aided simulation and analysis of IC engine combustion chambers	Udayakumar	SP

SPECIAL LECTURES BY INVITED SCHOLARS – 2014

S. No.	Name	Topic	Date
1	Rami Sareddine, Technical Evangelist, Microsoft Gulf	Introduction To Microsoft Student Programs And Developer Session On App Development And Microsoft Azure	February 18, 2014.
2	Prof. Navneet Goyal, Computer Science, BITS Pilani, Pilani Campus	Talk On Big Data, Plethora Of Topics, Viz Parallel Programming Models, Domain Specific Languages And MAP Reduced Framework And Hadoop	February 27, 2014
3	Mr. Y.C. Roy, Learning & Organizational Development Leader Strategic Outsourcing-Delivery, IBM	Strengths Based Leadership	March 11, 2014
4	Mr. Vishal Pandey, CEO, Glasgow Consulting, Dubai	Business Networking	March 13, 2014
5	Mr Amit Raman, Business Operations, Merck Sharpe & Dohme (MSD) Gulf, DHCC	MSD's VISION 2020	March 26, 2014
6	Prof. Raj Kumar Buyya, Director, CLOUDS Lab, Univ. Of Melbourne	Market Oriented Cloud Computing And Big Data Applications	April 6, 2014,
7	Dr. Pance Naumov, New York University Abu Dhabi (NYUAD)	Research Domains: Solid State, Structural Chemistry, Physical Chemistry & Photochemistry	April 22, 2014
8	Dr. S. V. Dharwadkar, Retired Professor From Jawaharlal Nehru Engineering College (JNEC)	Career Planning For Job Opportunities	April 23, 2014
9	Mr. T.P. Anand, Management Consultant, Motivaluate Consulting And Training	Business Planning & Strategy	April 23, 2014
10	Mr. Mahesh Jaishankar, Vice President of Datamena and Broadcasting at du.	What lies beneath the clouds	May 7, 2014
11	Prof Dheeraj Sanghi, Dean, Academic Affairs & Professor, CSE Department, IIT Kanpur	IP Version 6	May 28, 2014
12	Dr. D. S. Nadig, Senior Scientific Officer, Centre For Cryogenic Technology, IISC, Bangalore, India	Cryogenic Engineering	August 11, 2014
13	Mr. D. S. Nadig, Principal Research Scientist, Centre For Cryogenic Technology In IISC Bangalore, India	Introduction And Current Applications Of Cryogenic Engineering, Cryogenic Treatment Of Metals	August 11, 2014
14	Prof. Anil Pahwa, Electrical And Computer Engineering Department, College Of Engineering, Kansas State University, USA & Distinguished BITS Alumnus Awardee	Some Aspects Of Power Distribution System Automation Technologies	September 6, 2014
15	Mr D.S. Jain Former Dy Director and Project Director, NRSC Indian Space Research Organisation (ISRO), Hyderabad, India & BITS Alumni	Indian Space Programme on Satellite Remote Sensing	September 10, 2014
16	Mr. Rakesh Pardasani, Partner at RSM Dahman, Dubai	Business Plan and It's Components	September 16, 2014
17	Mr. Ahmed Gamal, Elnady Engineering And Agencies, Egypt	Modelling In Chemical Engineering Using Comsol	September 18, 2014
18	Dr. Janusz Sadowski & Dr. Niko Granqvist ,	Bionavis Applications In Life Sciences	September 23, 2014

S. No.	Name	Topic	Date
	Oy Bionavis Ltd, Finland		
19	Ms. Miel Barrios-Severinova, Manager, TiE Dubai.	Business Plan Competition and TiECon	September 25, 2014
20	Mr. Ashish Patel, CEO, Euphoria Ventures.	The Entrepreneurial Journey	October 7, 2014
21	Prof. Dr. B. Chandra, Professor, Dept. of Mathematics, Indian Institute of Technology, New Delhi	Recent Trends in Data Mining	October 12, 2014
22	Prof. Dr. Santhi Thilagam, Professor, Dept. Of CSE, National Institute Of Technology, Suratkal, Karnataka	Distributed Data Management	October 16, 2014
23	Mr. Mohammed Awad, HSSE Advisor from Petrofac International Ltd	Importance of Risk Management and HSE in Chemical Industries	October 16, 2014
24	Dr. Omar Ait Salem, MSC ADAMS	Multi body dynamics	October 19, 2014
25	Mrs. Medha Juvekar, Nutritionist and Dietician at Deenanath Mangeshkar Hospital, Pune	Nutrition Made Easy	October 26, 2014
26	Sundar Balasubramaniam, Professor Of CSIS Dept. & Dean, Academic Resource Planning, BITS Pilani, Rajasthan	A Distributed Computing Framework For High Performance Data Mining	November 6, 2014
27	Rema Menon Vellat, Director, Counselling Point Training & Development, Dubai - UAE	A Multi Pronged Approach To Promote Well Being	November 6, 2014
28	Prof. Suresh Bhargava, Deputy Pro Vice Chancellor (Int) College Of Science, Engineering And Health Director - Centre Of Adv. Materials & Indus. Chemistry, School Of App. Sciences, RMIT University, Melbourne, Australia	Multidisciplinary Approach To Create Innovation In Science And Engineering	November 23, 2014
29	Mr. Mohsin Ali and Mr. Zubair Kazmi, ADAM Global Legal Consultants LLC	How to set up Business in U.A.E. - Legal Aspects	November 26, 2014
30	Mr. Sushant Panda, Director, SYUM LABS, Mumbai, India	Business Analytics using BI Tool Tableau Software	November 28, 2014
31	Dr Stephen Lu, David Packard Chair In Manufacturing Engineering and A Professor In Industrial and Systems Engineering, Aerospace and Mechanical Engineering and Computer Science in the Viterbi School Of Engineering at University Of Southern California, USA.	Principles And Practice Of Global Innovation	December 4, 2014
32	Prof. (Dr.) M.B. Srinivas Dean, Administration, BITS PILANI, Hyderabad Campus	Current trends and future prospects of embedded systems	December 14, 2014
33	Mr. A. J. Mohamed Jinna, Founding Chairman of United World Halal Development, Singapore	Halal – A Global Perspective of Health and Hygiene	December 15, 2014

LIST OF FACULTY MEMBERS WHO ATTENDED VARIOUS CONFERENCES AND PRESENTED PAPERS – 2014

Conference Proceedings

S. No.	Author(s)	Title of the Paper	Conference	Proceedings Pages	Date & Place
1	Karish Manchanda, Pushkala M	Crowdfunding - A new paradigm in start-up financing	Global Conference on Business and Finance	pp. 369-374	January 6-9, 2014, Honolulu, Hawaii,
2	Gaurav Chaudhary, Anyaa Mittal, Neeru Sood, K.K. Singh	Design and Analysis of Nano-mechanical Resonator for Virus Detection	2014 IEEE Sensors Applications Symposium (SAS 2014)	pp.170-174	February 18-20, 2014, Queenstown, New Zealand
3	Hardeep Kumar, Anuj Kumar, K.K. Singh, Neeru Sood, R.K. Mittal	Design and Simulation of a Micro Hotplate for MEMS based Integrated Gas Sensing System	2014 IEEE Sensors Applications Symposium (SAS 2014)	pp.181-184	February 18-20, 2014, Queenstown, New Zealand
4	Gurmeet Kaur, Priti Bajpai	A Review of a Dubai Based Company's Transportation Problem As They Expand For EXPO 2020	National Conference on Recent Trends and Developments in Operations Research (NCRTDOR-2014)	pp.50	February 22-23, 2014
5	Poonam Nair, Priti Bajpai	A Study of Transportation Problem for ABC International, a Freight Forwarding and Logistics Company based in Washington, USA	National Conference on Recent Trends and Developments in Operations Research (NCRTDOR-2014)	pp.52	February 22-23, 2014
6	Gera S, Ramachandran S and Prakashkumar BG	Development of pretreatment methods for biomass based substrates for fermentation processes with focus on <i>Ziziphus</i> sp.	4th Annual International Conference on Advances in Biotechnology, BIOTECH 2014	pp. 101-103	March 10-11, 2014, BITS Pilani Dubai campus, UAE.
7	Pranay Sood, Neeru Sood, Trupti Gokhale	Microwaves: An Alternative Bacterial Sterilization Technique?	4th Annual International Conference on Advances in Biotechnology, BIOTECH 2014	pp. 60	March 10-11, 2014, BITS Pilani Dubai campus, UAE.
8	R.K. Ganesh Ram., V. Kalaichelvi ., Lenvin Dsouza and R. Karthikeyan	Fuzzy Logic approach for Temperature Control in BioReactor	4th Annual International Conference on Advances in Biotechnology, BIOTECH 2014	pp. 12-17	March 10-11, 2014, BITS Pilani Dubai campus, UAE.
9	Rajeswari Somasundaram, Neeru Sood , Khaled Masmoudi, Henda Mahmoudi	Gene Expression Analysis Of Barley Genotypes Contrasting For Their Tolerance To Salinity Stress	4th Annual International Conference on Advances in Biotechnology, BIOTECH 2014	pp. 91-96	March 10-11, 2014, BITS Pilani Dubai campus, UAE.

S. No.	Author(s)	Title of the Paper	Conference	Proceedings Pages	Date & Place
10	Rajeswari Somasundaram, Neeru Sood, Gokhale Trupti Swarup	Isolation and characterization of microbial strains associated with leguminous plants from desert soils	4th Annual International Conference on Advances in Biotechnology, BIOTECH 2014	pp.108-112	March 10-11, 2014, BITS Pilani Dubai campus, UAE.
11	Reenu Anne Joy, Adarsh Venkataraman Ganesan, Kiran Menon, Seba Sara Varghese, S. Swaminathan, K.K. Singh, Trupti Gokhale, Neeru Sood	Design and simulation of a microcantilever based sensor for thalassemia screening in the UAE	4th Annual International Conference on Advances in Biotechnology, BIOTECH 2014	pp. 64	March 10-11, 2014, BITS Pilani Dubai campus, UAE.
12	Varghese S.S., Menon K, Damodar S, Singh K.K, Sood N, Swaminathan S	Graphene: A Promising platform for bio-sensing applications	4th Annual International Conference on Advances in Biotechnology, BIOTECH 2014	pp. 74	March 10-11, 2014, BITS Pilani Dubai campus, UAE.
13	Gaurav Chaudhary, Hardeep Kumar, Anyaa Mittal, Neeru Sood, K.K. Singh	Sensitivity Analysis of BNNT based Nano Bio-Sensor	4th Annual International Conference on Advances in Biotechnology, BIOTECH 2014	pp. 18	March 10-11, 2014, BITS Pilani Dubai campus, UAE.
14	Salma Sherif and D.J.Sheriff	A Tissue Engineering approach to treat cardiac diseases using Cardiomyocytes differentiated from Human Peripheral Blood	4th Annual International Conference on Advances in Biotechnology, BIOTECH 2014		March 10-11, 2014, BITS Pilani Dubai campus, UAE.
15	Sarah Nuruddin, D.J.Sheriff and Salma Sherif	A survey on the awareness of Stem cells therapy in Dubai	4th Annual International Conference on Advances in Biotechnology, BIOTECH 2014		March 10-11, 2014, BITS Pilani Dubai campus, UAE.
16	Tejas Vithani and Anand Kumar	Modeling the Mobile Application Development Lifecycle	International MultiConference of Engineers and Computer Scientists 2014, IMECS 2014	Vol 1	March 12-14, 2014, Hong Kong
17	R. Gomathi Bhavani, Maya Mohan	Awareness on Lighting Energy Saving and User Satisfaction in Residential and Office Buildings	International Conference on Biological, Civil and Environmental Engineering BCEE-2014	pp. 211-215	March 17-18, 2014, Dubai
18	Vivin Karthik, Mohamed Ebrahim and Geetha	Effect of biomass on wind reduction pattern in BITS Pilani Dubai Campus	International Conference on Biological, Civil and Environmental Engineering BCEE-2014		March 17-18, 2014, Dubai
19	C Mallika Parveen, Elayat S.Chand, MVN Sankaram, ,	Optimisation of Material of Jib Cranes Used in Construction Industry	IMS/7, International Conference on, Advances in	Paper No. IMS7-050	March 18-20, 2014, UAE

S. No.	Author(s)	Title of the Paper	Conference	Proceedings Pages	Date & Place
			Engineering Materials		
20	M. V. N. Sankaram, Elayat Shyam Chand, B. V. S. Vasudha	Design and Analysis of Monorail System for the Maintenance of Low Rise Buildings	IMS/7, International Conference on, Advances in Engineering Materials	Paper No. IMS7-046	March 18-20, 2014, UAE
21	M. V. N. Sankaram, B. V. S. Vasudha	Advances of Nano-Materials in Construction Industry	IMS/7, International Conference on, Advances in Engineering Materials	Paper No. IMS7-049	March 18-20, 2014, UAE
22	N. K. Miller Jothi, Mallika Parveen, U. Gangadhara Surya	Renewable Fuel in Direct Injection Diesel Engine	IMS/7, International Conference on, Advances in Engineering Materials	Paper No. O43	March 18-20, 2014, UAE
23	Kalaichelvi V. Ganesh Ram R.K. and R Karthikeyan,	Biomass Boiler Drum Water Level control system using Neural Networks	ICMMA 2014.		March 2014, Singapore
24	R. Karthikeyan, R.K. Ganesh Ram and V. Kalaichelvi	Modeling and Control Techniques for Microstructure Development	ICMMA 2014		March 2014, Singapore
25	A.R.Gowtham Ram and C.Periasamy	Design of a Bio-Mass Plant Using Agro-Industrial Waste Based Power Project	3 rd Annual Research Conference		April 23-24, 2014, Abu Dhabi University, UAE
26	P. Gupta and Vilas H. Gaidhane,	A New Approach for Flame Image Edges Detection	Proc. IEEE Int. Conf. on Recent Advances and Innovation in Engineering (ICRAIE 2014),		May 9-11-2014, Jaipur, India,
27	Jyotika Singh and T.G. Thomas	Alternative Phase Detector for Clock Recovery at the Receiver	International Conference on Future Computing and Communication Systems (ICFCCS 2014)	Vol. 15, Issue No. 1, pp 28-36	May 10-11, 2014
28	Mubeena, I. and Maneesha	Analysis of written business communication competency in the hotel industry of Dubai	International Conference of Academic Disciplines, Harvard Medical College		May 25-30, 2014, Boston, Massachusetts
29	Tejas Vithani and Anand Kumar	A Comprehensive Mobile Application Development and Testing Lifecycle	IT Professional Conference		May 22, 2014, NIST, Maryland
30	Athira Nath and Kalaichelvi V.,	An Intelligent Technique for Image Compression	International Conference on Emerging Science and Manufacturing	pp. 1-6	June 4-5, 2014, Dubai
31	Sogani, Arihant,	"Development of a	Society for Global		July 2014, delle

S. No.	Author(s)	Title of the Paper	Conference	Proceedings Pages	Date & Place
	Banerjee, Anomitra, Aqila Rafiuddin	model for human capital management for the success of corporate”	Business & Economic Development organized by Università Politecnica		Marche, Ancona, Italy.
32	Priya B. Parappat, Anand Kumar, R.K. Mittal, Suhel A. Khan	Obstacle Avoidance By Unmanned Aerial Vehicles Using Image Recognition Techniques	18th International Conference on Circuits, Systems, Communications and Computers		July 17-21, 2014, Santorini Island, Greece
33	Priti Bajpai and Maneesha	Analysis of Parking Lots While Dubai Prepares for EXPO 2020	International Conference on Logistics, Informatics and Social Service 2014 (Springer conference)	pp. 811-816	July 23-26, 2014, University of California, Berkeley, USA
34	Abhilash Saksena and Maneesha	Value Addition- Increase Production by Providing Logistics Solutions	International Conference on Logistics, Informatics and Social Service 2014		July 23-26, 2014, University of California, Berkeley, USA
35	A.M. Surendra Kumar & Parvathy Sathyaprakasan	Impact of Volume Fraction and Particle Size on Thermal Properties of Nano-fluids	International Conference on Heat Transfer and Fluid Flow (HTFF'14)	-	August 11-12, 2014, Prague, Czech Republic.
36	A.R. Gowtham Ram and C. Periasamy	Design of a Biomass Plant Using Agro - Industrial Waste	International Conference on Heat Transfer and Fluid Flow Prague		August 11-12, 2014, Prague, Czech Republic.
37	Zuhair Ahamed and C. Periasamy	Experimental analysis on the construction of effective VAWT system	International Conference on Heat Transfer and Fluid Flow Prague		August 11-12, 2014, Prague, Czech Republic.
38	Menon Shweta Ramesh and C. Periasamy	Fluid Circulation and Heat Transfer Analysis in Cryogenic Engine Storage Tank	International Conference on Heat Transfer and Fluid Flow Prague		August 11-12, 2014, Prague, Czech Republic.
39	K.K.Singh, Hardeep Kumar, Anuj Kumar, Gaurav Chaudhary	Modeling and Simulation of micro/nano based integrated Gas Sensor	5th International Conference on Nanotechnology: Fundamentals and Applications (ICNFA'14)		August 11-13, 2014, Prague, Czech Republic.
40	Aditya Poonia, Abhimanyu Dabas, Lavanya Aggarwal, Gaurav chaudhary, Hardeep Kumar, Anuj Kumar, K.K. Singh	Analysis of CNT based Nano Bio-Sensor for Virus Detection	14th IEEE International Conference on Nanotechnology		August 11-13, 2014, Toronto (Canada)
41	Rajarshi Sinha, Angad Oberoi, Harsh Tungala, Rohan Kapur, Anand Kumar	An Optimized Piezoresistive Microcantilever Arsenic(III) Sensor with CMOS-Compatible Active Readout: Towards In-Situ Subsurface	14th IEEE International Conference on Nanotechnology (IEEE-NANO 2014)	-	August 18-21, 2014, Toronto, ON, Canada

S. No.	Author(s)	Title of the Paper	Conference	Proceedings Pages	Date & Place
		Characterization Using Microsystems Technology			
42	Akshay Sharma, N.K. Millerjothi, Kavita Jerath, S. Karthiyayini	Forecast analysis of the potential and availability of renewable energy in Gulf countries	International conference on substantial environmental technologies'		August 22-23, 2014, Dubai UAE
43	Kavita S. Jerath, N.K. Millerjothi, S. Karthiyayini and Akshay Sharma	Forecast Analysis of Potential and Availability in Renewable Energy	2014 SCIEI International Conference on Substantial Environmental Technologies		August 22-23, 2014, Dubai UAE
44	Mugdha Polimera and Kalaichelvi V	Stability and Robustness Analysis of a LASER Guided Missile System Using PID Controller	The 3rd International Conference on Electronics, Mechatronics and Automation. ICEMA 2014		August 22- 23, 2014, Dubai, UAE.
45	Yashaan Cooper, Ganesh Ram R.K., Kalaichelvi V., Vishank Bhatia	Stabilization and Control Of An Autonomous Quadcopter".	The 3rd International Conference on Electronics, Mechatronics and Automation, ICEMA2014		August22-23, 2014, Dubai, UAE
46	Adarsh Venkataraman Ganesan, Reenu Anne Joy, Kiran Menon, Hardeep Kumar, K.K. Singh, Trupti Swarup Gokhale, Neeru Sood	An integrated microsystem for piezo-resistive detection of mutations in Hemoglobinopathies	The 1st Middle East Molecular Biology Congress & Exhibition		September 16-17, 2014, Dubai, UAE.
47	C Mallika Parveen, Abhilash Saksena, Khyati Jain, N. K. Miller Jothi	Heuristic Approach for CFD Analysis Around Birds of Prey	Aerospace Systems and Technology Conference, SAE International	SAE Technical Paper 2014-01-2102, 2014, doi:10.4271/2014-01-2102	23-25 September 2014, USA
48	Subramanian Seshadri C Aiyer, Ramachandran S, Thirumavalavan K and Prakash Kumar B G	Solar Photo Catalytic degradation for Wastewater Treatment: a Review	International Conference on Green Technologies For Environmental Pollution Prevention And Pollution Control (ICGTEPC 2014)	pp. 09	September 27 -29, 2014, National Institute of Technology, Tiruchirappalli, India
49	Rajarshi Sinha, Angad Oberoi, Harsh Tungala, Anand Kumar	Dynamically Adjusting Network Architecture for Congestion Optimization in Terminal Airspace	33rd Digital Avionics Systems Conference	-	October 5-9, 2014, Colorado Springs, CO, USA,
50	Shyam Sumukh S R, Raghav Gupta, Jagadish Nayak	A Comparative Analysis in Hardware Partitioning of a Steganographic based LSB-substitution Algorithm	World Congress on Engineering and Computer Science 2014	Vol I, pp:50-52	October 22-24, 2014, San Francisco, USA,
51	Milu Mary Philip, B,	Software Architectural	The World		October 22-24,

S. No.	Author(s)	Title of the Paper	Conference	Proceedings Pages	Date & Place
	Vijayakumar	Design for Image Retrieval System involving Data Streams and User Interactivity	Congress on Engineering and Computer Science 2014		2014, San Francisco, USA,
52	Akshay Deshpande, Saima Sirajuddin, Sarah Nuruddin, Neeru Sood and Trupti Gokhale	<i>Photobacterium Sps</i> : A Bioanalyte In Development Of Biosensors	International Conference on Biotechnology and Bioengineering ICBB-2014	pp. 45	October 29-30, 2014, BITS Pilani Dubai Campus.
53	Deborah Nazareth, Anyaa Mittal, Neeru Sood	Study of Potential Cancer Biomarkers for Early Diagnosis	International Conference on Biotechnology and Bioengineering ICBB-2014	pp. 60	October 29-30, 2014, BITS Pilani Dubai Campus.
54	Gayathri Ganesh* Neeru Sood and Trupti Gokhale	Isolation of Copper Resistant Bacteria and Fungi for Synthesis of Copper Nanoparticles	International Conference on Biotechnology and Bioengineering ICBB-2014	pp. 53	October 29-30, 2014, BITS Pilani Dubai Campus.
55	Irshad Ahmed S, Aswathy, Hydari Masuma, Prakash Kumar BG, Salma Sheriff, Ramachandran S	Development Of Tubular Photobioreactor For Sustainable Production Of Microalgae	International Conference on Biotechnology and Bioengineering ICBB-2014	pp. 18	October 29-30, 2014, BITS Pilani Dubai Campus.
56	N. Subramanian, K. Saravanan, B G Prakash Kumar	Hydrodynamic Aspects Of Circulating Fluidized Bed For Drying Of Food Materials	International Conference on Biotechnology and Bioengineering ICBB-2014	pp. 32	October 29-30, 2014, BITS Pilani Dubai Campus.
57	Nirupama Dixit, Anyaa Mittal, Neeru Sood, Trupti Gokhale, K.K. Singh	Nanoparticles in Drug Delivery and Therapy of Alzheimer's Disease: A Review	International Conference on Biotechnology and Bioengineering ICBB-2014	pp. 38	October 29-30, 2014, BITS Pilani Dubai Campus.
58	S. Rajeswari, Trupti Gokhale, Salma Shariff, Swathi Murali, Aarti Swaminathan, Khaled M. and Neeru Sood	Interactive Effect Of Micro And Macro Nutrients In Barley Cultivars Differing Salt Tolerance	International Conference on Biotechnology and Bioengineering ICBB-2014	pp. 62	October 29-30, 2014, BITS Pilani Dubai Campus.
59	Salma Sheriff, Gunjan Khera, Irshad Ahmed S, Shariff DJ, Prakash Kumar BG, Ramachandran S	Microalgal Biodiversity In Arid Regions And Its Biotechnological Applications	International Conference on Biotechnology and Bioengineering ICBB-2014	pp. 19	October 29-30, 2014, BITS Pilani Dubai Campus.
60	Srishti Singh, Anyaa Mittal, Neeru Sood	Biomarkers: A Novel Approach in Diagnosis of Cardiovascular Diseases	International Conference on Biotechnology and Bioengineering ICBB-2014	pp. 38	October 29-30, 2014, BITS Pilani Dubai Campus.
61	Vivin Karthik, Sridevi Thyagarajan, Neeru Sood, Trupti Gokhale & Sanjida Ahmed	DNA Ancestry Test Confirms The Predominance Haplogroup J (Y-DNA) And H (Mt-DNA) Among The Middle Eastern Population	International Conference on Biotechnology and Bioengineering ICBB-2014	pp. 45	October 29-30, 2014, BITS Pilani Dubai Campus.
62	Khalil ur Rahman, Shoab Ismail and S	Nutrient Management Through Agro-Forestry	International Conference on	pp. 44	October 29-30, 2014, BITS Pilani

S. No.	Author(s)	Title of the Paper	Conference	Proceedings Pages	Date & Place
	Ramachandran	Production System	Biotechnology and Bioengineering ICBB-2014		Dubai Campus.
63	Hydari Masuma, Prarthna Clare, Sridevi Thyagrajan, Akshay Deshpande, Anaz Anjum. S. Ramachandran	Scale up Model of Tubular Photobioreactors for Biodiesel Production Using Micro-algae	International Conference on Biotechnology and Bioengineering ICBB-2014	pp. 61	October 29-30, 2014, BITS Pilani Dubai Campus.
64	Vrinda Nair and Shariff D J	Study on effects of desalination effluents on the coastal waters of UAE	International Conference on Biotechnology and Bioengineering ICBB-2014	pp. 54	October 29-30, 2014, BITS Pilani Dubai Campus.
65	U. Gangadhara Surya, N. K. Millerjothi, C. Mallika Parveen	Experimental studies on biodiesel extracted from <i>Madhuca indica</i> oil as a renewable fuel in direct injection diesel engine	International Conference on Biotechnology and Bioengineering ICBB-2014		October 29-30, 2014, BITS Pilani Dubai Campus.
66	F. Rusal Raj, V. Latha, B. Annaraj and M.A. Neelakantan	Design, Synthesis, Photophysical Property And Biological Evaluation Of (Z)-3-((4-(4-Aminobenzyl) Phenyl) Amino)-1,3-Diphenylprop-2-en-1-one As Estrogen Receptor Agonist In Breast Cancer Cell	International Conference on Biotechnology and Bioengineering ICBB-2014		October 29-30, 2014, BITS Pilani Dubai Campus.
67	C. Mallika Parveen, Avishek Goel, M V N Sankaram	MEMS Thermoelectric Heat Exchanger	International Conference on Biotechnology and Bioengineering ICBB-2014	Paper no. O50	October 29-30, 2014, BITS Pilani Dubai Campus.
68	Harish S. Nair, Anand Kumar, Osman Ahmed	Neural Network Modeling, Simulation and Prediction of Innovation Growth in United Arab Emirates (UAE)	Complex Adaptive Systems 2014	-	November 3-5, 2014, Philadelphia, PA, USA,
69	Yeshasvi and Geetha	Dessicant system performance and feasibility study for UAE	7th International Conference on Sustainable Energy	-	November 23, 2014
70	Shazi Shah Jabeen, Anomitra Banerjee, and Purab Dilip Bhatia	Strategizing for the Future: Introducing E-Learning in Educational and Corporate Houses	International Conference on Web and Open Access to Learning 2014 (ICWOAL' 2014)	-	November 25-27, 2014, Dubai, UAE
71	Bajpai, Priti, Akshansh Chaudhary, Janani Ram	Significance of Different Series From The Time Of Sridharacarya	International Conference on History of Mathematics, 2014		November 27-30, 2014, Pune India
72	Akshansh Chaudhary , Bajpai, Priti ,Anjali Preetha Velayudhan	From Aryabhata to Euler - Solving Diophantine Equations	International Conference on History of Mathematics, 2014		November 27-30, 2014, Pune India
73	Janani Ram , Anjali	Prediction of Eclipses	International		November 27-30,

S. No.	Author(s)	Title of the Paper	Conference	Proceedings Pages	Date & Place
	Preetha Velayudhan , Bajpai, Priti	– Vedic Age vs. Modern times	Conference on History of Mathematics, 2014		2014, Pune India
74	Srinivasan S V, Dr. Abdul Razak.	Physical Design of IC Chip for FFT using Vedic Mathematics	International Symposium on Fundamentals of Electrical Engineering (ISFEE 2014),		November 28-29, 2014, Bucharest
75	Yashasvi Vedula, B. Vijayakumar	Leveraging Smartphone Technology to Enhance Emergency Response Services	International Conference on Telecommunicatio ns and Computing, TELFOR	-	November, 2014, Serbia
76	Trupti Gokhale, Parvathy B., Revathy Krishnakumar, Vidhya Venugopal, Juweria Anam, Neeru Sood	Phytoremediation of recalcitrant compounds	3rd Global Sustainable Biotech Congress 2014	EMBT OP-12/46	December 1-5, 2014, Jalgaon, India.
77	Subramanian Seshadri C Aiyer, S. Karthyayini, Ganapathy Seshadri C Aiyer	Proton Structure Function Calculation by Thermodynamical Bag Model	International Conference on Applied Science, Management and Technology 2014 (ICASMT 2014)		December, 4,5, 2014, Dubai
78	Shrey Iyengar, Kavita S. Jerath, S. Karthyayini	Analysis of elastic constants of Fe ₂ B from X-Ray Diffraction technique	International Conference on Applied Science, Management and Technology 2014 (ICASMT 2014)		December, 4,5, 2014, Dubai
79	Srinivasan S V, Dr. Abdul Razak.	Chip-Level Physical Implementation of MPPT algorithm for PV Panel	International Conference on Advances in Design and Manufacturing (ICAD&M 2014)		December 5-7, 2014, NIT Tiruchirappalli
80	Neenu Sivanand, Mary Lourde R	MEMS based Electrochemical Sensor for Detection of biomolecules”,	International conference on Recent Advances in Nanoscience and Nanotechnology- 2014		December 15-16, 2014, New Delhi,

LIST OF RESEARCH PUBLICATIONS – 2014**Journal Publications**

S. No.	Author(s)*	Title of the Publication	Journal	Vol No., Issue No., Year	Page Nos.
1	Adarsh Venkataraman Ganesan, Hardeep Kumar, S. Swaminathan, K. K. Singh, Reenu Anne Joy, Neeru Sood, Trupti Gokhale, R. K. Mittal	Analysis of MEMS-Based Microneedles for Blood Monitoring.	BioNanoScience, Springer	Vol. 4, Issue 2	pp. 128-135
2	Dhvaja Shikare, Sujala D Shetty	Supercloud - Need, Issues and Challenges	International Journal of Engineering Research & Technology	Volume 3, Issue 05	pp.23-25
3	Kalaichelvi V. Ganesh Ram R.K. and Karthikeyan R	Biomass Boiler Drum Water Level control system using Neural Networks	Applied Mechanics and Materials, Transtech Publications, Switzerland	Vol.541-542.	pp.1260-1265
4	Madhumitha Balasubramani, Jyotsna Lakshmi Kumar, Nanduri Kameswara Rao, Neeru Sood, Trupti Gokhale, Somasundaram Rajeswari, Makram Belhaj Fraj and Sanjeet Mishra	Stress-Tolerance of Sinorhizobium spp. Nodulating Sesbania and Cowpea in Desert Soils	Journal of Pure and Applied Microbiology	Vol. 8, Issue 1	pp. 323-331
5	Parvathy Sathyaprakasan and Geetha Kannan	Economics of Bio-Hydrogen Production	International Journal of Environmental Science and Development	vol. 6, no. 5, 2014.	pp. 352-356
6	Pushkala Muralidharan, C. Madhavi	Emerging Ethical Issues due to technological developments in an era of Globalization	Asian Journal of Research in Social Sciences and Humanities	Vol. 4, Issue 4	pp. 317-331
7	R. Karthikeyan, R.K. Ganesh Ram and V. Kalaichelvi	Modeling and Control Techniques for Microstructure Development"	Applied Mechanics and Materials, Transtech Publications, Switzerland,	Vol.541-542	pp. 317-323
8	Shazi Shah Jabeen	Implementation of Communicative Approach	English Language Teaching, Canadian Centre of Science and Education	Vol. 7, No. 8	pp 68-74
9	Srinivasa Rao	Nurturing entrepreneurial women : An empirical study from a developing country	Journal of Entrepreneurship in Emerging Markets	Vol.6, Issue 3	pp. 268 - 297
10	Menon K, Jayakumar A.P., Shahid M, Sood N, Rao N.K.	Seed Dormancy and Effect of Salinity on Germination of <i>Citrullus colocynthis</i>	International Journal of Environmental Science and Development	Volume 5, Issue 6	pp. 566-569
11	Arshia Fathima, J. Alamelu Mangai & Bharat B. Gulyani	An ensemble method for predicting biochemical oxygen demand in river water using data mining techniques	International Journal of River Basin Management	Published online: 17th Oct 2014, Taylor and Francis	pp.357-366
12	Ganesh Ram R K, Yashaan Nari Cooper, R. Karthikeyan and C. Periasamy, Vishank Bhatia	Design Optimization and Analysis of NACA 0012 Airfoil using Computational fluid	Applied Mechanics and Materials	Vol. 664, 2014	pp 111-116

S. No.	Author(s)*	Title of the Publication	Journal	Vol No., Issue No., Year	Page Nos.
		dynamics and Genetic algorithm			
13	Vishank Bhatia, R.Karthikeyan, R.K.Ganesh Ram, and Yashaan Nari Cooper	Design Optimisation and Analysis of a Quadrotor Arm using Finite Element Method	Applied Mechanics and Materials	Vol. 664, 2014	pp 371-375
14	A.M. Surendra Kumar & Ahamed Hassan	Wartsila UAE - A Lean Analysis	Wartzila Technical Journal , Finland	2014	pp 3-6
15	R.Udayakumar and Ariz Ahmad	Analysis of Combustion Chambers in Internal Combustion Engine.	Global Science and Technology Journal, Australia	Vol. 2 No.1 March 2014.	pp. 12-21
16	C.Periasamy and Gowtham Ravi	Design of Biogas plant from Industrial Waste	International Journal of Environmental Pollution and Remediation	Accepted for publication	-
17	Mohamed Ebrahim, Vivin Karthik and Geetha	Study of impact of urbanization on the climate change in Dubai	APCBEE Procedia	Accepted for publication	-
18	Vivin Karthik, Mohamed Ebrahim and Geetha	Estimation of above ground biomass of trees in BITS Pilani Dubai Campus	APCBEE Procedia	Accepted for publication	-
19	A.B. Chattopadhyay and Sunil Thomas	Modeling and Simulation of Current Source Inverter Fed Synchronous Motor in Complex Frequency Domain Taking the Transition Zone From Induction Motor to Synchronous Motor Mode into Account.	Research Journal of Applied Sciences, Engineering and Technology,	Vol. 7, Issue 8	1489-1499
20	Adhir Baran Chattopadhyay , Sunil Thomas, Ali Akbar Eski and Ruchira Chatterjee	State Space Analysis of a Solar Power Array Taking a Higher Degree of Non-Linearity into Account	Journal of Mechanics of Continua and Mathematical Sciences	Vol. 8, No.-2, 2014	Pages 1291-1310
21	A.B. Chattopadhyay and Sunil Thomas	An insight into the time domain phenomenon during the transition zone from induction motor to synchronous motor mode for a Current Source Inverter fed synchronous motor drive system.	Research Journal of Applied Sciences, Engineering and Technology	Accepted for publication	-
22	Vilas H. Gaidhane, Y. V. Hote, V. Singh	An efficient approach for face recognition	Pattern Recognition	vol. 47, no. 5, 2014.	pp.1869-1879
23	Vilas H. Gaidhane, Y. V. Hote, V. Singh	A computationally efficient approach for template matching based image registration	Academy Proceedings in Engineering Sciences	vol. 39, no. 2, 2014.	pp. 317-331
24	Mugdha Polimera and Kalaichelvi V.	Stability and Robustness Analysis of a LASER Guided Missile System Using PID Controller	Applied Mechanics and Materials	Vol. 666	pp 208-212.,
25	Athira Nath and Kalaichelvi V.,	An Intelligent Technique for Image Compression	International Journal of Recent Development in Engineering and Technology	2014.	pp. 1-6.
26	Yashaan Cooper., Ganesh Ram. R.K.,	Stabilization and Control Of An	Applied Mechanics and Materials	Vol. 666	pp 161-165

S. No.	Author(s)*	Title of the Publication	Journal	Vol No., Issue No., Year	Page Nos.
	Kalaichelvi V., Vishank Bhatia	Autonomous Quadcopter			
27	Pushkala M. and Madhavi C.	Emerging Ethical Issues due to Technological Developments in an Era of Globalization	Asian Journal of Research in Social Sciences and Humanities, April 2014	Vol. 4, Issue 4	pp. 317-331
28	Qasim, Z. and Pushkala, M.	CSR and impact of CSR practices in companies in UAE	Perspectives of Corporate Social Responsibility and Sustainability: a specific reference to UAE, Naem M. and Salim B (Ed.,)	Book chapter, Lambert	pp. 123-149.
29	Rao, A.S.	Nurturing entrepreneurial women: An empirical study from a Developing country	Journal of Entrepreneurship in Emerging Economies, 2014	Vol. 6 Issue 3	pp. 268 - 297
30	Suhel Ahmad Khan	Auxiliary problem and algorithm for a generalized mixed equilibrium problem	J. Egyptian Math. Soc.	2014, In Press, Hindawi	pp 1-6
31	Suhel Ahmad Khan	System of operator quasi equilibrium problems	International Journal of Anal.	Volume 2014, Article ID 848206, Hindawi	pp 1-6
32	Farhat S., S. K. Srivastava and Suhel Ahmad Khan	A Wiener-Hopf dynamical system for mixed equilibrium problems	International Journal of Mathematics and Mathematical Sciences	Volume 2014, Article ID 102578	pp 1-8
33	Aakriti Singh, Aashia Fathima, S. Karthiyayini	Theoretical Analysis of Mechanical Properties for Elements at Nano-scale	International journal on Recent development in engineering and Technology	Volume 2, Special Issue 1, 2014	pp 1-4
34	Kavita S. Jerath, Miller Jothi, S. Karthiyayini, Akshay Sharma	Forecast Analysis of Potential and Availability in Renewable Energy	International Journal of Environmental Science and Development, (IJESD)	Accepted and to be published in Volume 6 Number 5, 2015	pp. 341-347
35	Neena D., K. B. Garg, P. A. Alvi, D. Kumar, Kavita S. Jerath, M. Abu-Samak, S. Dalela	Study of Band Structure Properties of Pnictide $\text{LaO}_{1-x}\text{FeAs}$ ($x = 0, 0.2$) Superconducting Compound	Journal of Supercond Nov Magn	Springer	pp 1967-1972
36	Gaurav Chaudhary, Anyaa Mittal, Neeru Sood, K.K. Singh	Design and Analysis of Nano-mechanical Resonator for Virus Detection	2014 IEEE Sensors Applications Symposium (SAS 2014)	IEEE Xplore	pp.170-174
37	Hardeep Kumar, Anuj Kumar, K.K. Singh, Neeru Sood, R.K. Mittal	Design and Simulation of a Micro Hotplate for MEMS based Integrated Gas Sensing System	2014 IEEE Sensors Applications Symposium (SAS 2014)	IEEE Xplore	pp.181-184

LIST OF HIGHER DEGREE DISSERTATIONS**Second Semester 2013-2014 (February 2014 to June 2014)**

S. No.	Name	Topic	Supervisor
1	B S Aneesh Raj	Design and Development of Heat Recovery System Generation System for Automotive Engines	Dr. R. Udayakumar

First Semester 2014-2015 (September 2014 to January 2015)

SI No	Name	Topic	Supervisor
1	Vignesh P.	Economies of Scale in Power Distribution	Ms. Aqila Rafiuddin
2	J.Murugan Prabu	Human Resource Management Practices in a Trading and Service Organization	Dr. A. Srinivasa Rao
3	Jenifer Rose Raphael	Analyzing Project Execution Planning for tenders relating to Hospital Medical equipment	Ms. Pushkala Muralidharan
4	Ahana Fatima Alex	Design and Analysis of SAW (Surface Acoustic Wave) sensor for EPA (Environment Protection Agency) specified criteria pollutant	Dr. Anand Kumar
5	Dipti Raina	Aspects of Analysis of a Micromirror using suitable computation technique	Dr. A.B. Chattopadyay.
6	K T T Arjun	Isolation and Characterization of E.coli from various sources of water in the UAE	Dr. Gokhale Trupti Swarup
7	Khinar Thukral	Enhancing Context Awareness of Mobile Applications through Machine Learning	Dr. V Santhosh Kumar
8	Subin M. C.	HVAC Up Gradation of commercial green house using cooperative cooling	Dr. N.K. Miller Jothi
9	Sidharth Zutshi	Authentication and Authorization Protocols for SaaS in University Based Cloud	Dr. V. Santhosh Kumar
10	Kaveeshwar Ashwini Vasant	Study and analysis of MEMS Cantilever for Pyroelectric Energy Conversion	Dr. R. Swarnalatha
11	Ankita Das	Applications of Microalgae in Bioremediation of waste water	Dr. S. Ramachandran
12	Abdulrahiman P J	Design and Optimization of Building Access Equipment	Dr. R. Udayakumar
13	Zilpelwar Ankur Sudhir	Enhancing Intelligence of Personal Assistant through Analysis of Speech and Images	Dr. M. Madijagan
14	Kranthikiranreddy M	Targeted Computer Viruses detection and handling	Dr. Sujala D. Shetty
15	Arathi Ajay	VLSI Implementation of Multipliers for FET computation in Bio Medical Applications	Dr. R Mary Lourde
16	Mahendra Singh Thakur	Selection of Sensor Architecture and Design of Sensor Frame work for a Module of BPDC Server Cooling System	Dr. M. Madijagan
17	K Hidayathulla	Architectural Design and Analysis for cloud Based Industrial Process Control Systems	Dr. B. Vijayakumar
18	Nikhil Narahari Gokhale	Data Driven Model for predicting Energy performance of Residential Buildings	Ms. J. Alamelumangai

SI No	Name	Topic	Supervisor
19	Mohamed Fazil P.A	Design and Implementation of a Search Algorithm based on query Semantics for Web Application	Ms. S. Jeyalatha
20	Chris Mary Joseph	Design a Low-Power GPS Sensor in mobile phones using Webench Designer Tool	Dr. Anand Kumar
21	Gaurav Chaudhary	Design and Simulation of MEMS Based FTIR for various Applications	Dr. K.K.Singh
22	Vrinda S. Nair	Study on the heavy metal contamination and salinity caused by desalination along the coastal waters of UAE.	Dr. D J Shariff
23	Ahammed Shamir Ali O	Implementation of FPGA Based Optoelectronic color sensing system using Fuzzy Logic	Dr. V. Kalaichelvi
24	Arshad Abdul Sherief	FPGA Based Speaker Identification system using Neural Networks	Dr. V. Kalaichelvi
25	Fawaz Ali Mohamed	FPGA Implementation of Fuzzy Based Signature Recognition(SR) System using VHDL	Dr. Jagadish Nayak
26	Bhatnagar Pranav Ravindra	CFD and structural analysis of wired turbine blades	Dr. Ram Karthikeyan
27	Suraj Ramadas	Study and Design of Utility Piping System for a vessel	Dr C. Perisamy
28	Chitrarekha Ray	Simulation & Verification of Cloud Computing System	Dr. S. Vadivel
29	Chintaluri V R Dheeraj	Design and Development of Hadoop Based Systems for GIS	Dr. S. Vadivel
30	Srinivasan S V	Physical level Design of IC Chip for Fast Fourier Transforms using Vedic Mathematics	Dr. Abdul Rajak A.R
31	Revathy G	Design and Study of Performance of FinFET with Reduced Switching Energy	Dr. Abdul Rajak A.R
32	Neenu Sivanand	Physical level IC Implementation for Speed Control of Three Phase Induction Motors	Dr. R. Gomathi Bhavani
33	Tamil Selvi C	Cloud to Device Messaging with Voice Notification using GCM	Dr. B. Vijayakumar
34	Raghav Gupta	Comsol MultiPhysics & MATLAB Simulation for Micro & Nano Level structure for Virus Detection	Dr. S. Swaminathan
35	S R Shyam Sumukh	Simulation of NAND-FET Device Using TCAD Tools	Dr. S. Swaminathan
36	Shahid P K	FPGA Implementation of Gabor Filter Design for Finger Print Recognition	Dr. Jagadish Nayak
37	Sreeja Rajendran	Design and Analysis of Robust FINFET Based RAM	Dr. R Mary Lourde
38	Mohamed Riyas A	Design of FPGA Chip for Elevator Controller	Dr. T.G. Thomas

LIST OF FIRST DEGREE THESES**Second Semester 2013-2014 (February 2014 to June 2014)**

Sl. No	Name	Topic	Supervisor
1	Vivek Radhakrishnan	Design of Economical Automated Safety features in automobile	Dr.R.K. Mittal
2	Pooja N Shah	Effect of Crystallographic Orientation on the properties of Cold Rolled Grain Oriented Electrical Steel (CRGO)	Dr. Ram Karthikeyan
3	Saurabh Saboo	Turbo Charging in Low Heat Rejection Engines using Rankine Cycle	Dr. Udaya Kumar
4	Aditya Jain	Analysis of Man-in-the-Middle attacks on Computer Networks and Preventive Techniques	Dr. V. Santhosh Kumar
5	Ganesh Kumar S	Analysis and prevention of Cross Site Scripting Attacks	Ms. Susila S.
6	Archana Nageswaran	Ancient Indian Mathematics and Its Relevance to Present Times	Dr. Priti Bajpai
7	Ahmad Hasan	Study and Analysis of Lean Management Techniques in an Industry	Dr. Surendra Kumar
8	Ankit Raj	Analysis of Fading Channels in Communication Engineering	Dr. A.B. Chattopadyay
9	Reuben Sharma	Environmental Pollution and its New Advancements	Dr. B Muralidharan
10	Pratik Sen	Auto Scaling Hadoop Cluster	Dr. S .Vadivel
11	Aswathy Preetha Jayakumar	Optimization of Micro Algae Mass Production for Industrial Application	Dr. B. G. Prakash Kumar
12	Gunjan Khera Anil Kumar Khera	Bio Diversity of Micro Algae in Arid Regions and its Biotechnological Applications	Dr. S. Ramachandran
13	Anshuman Shastri	Modeling and Designing A Wireless Domestic Power Automation System	Dr. Anand Kumar
14	Anu Singhal	Cloud Based Employee Utilization and Profitability Tool	Dr. Sujala D. Shetty
15	Osama Zeya Anwar	Study of Micro level entrepreneurs: Issues and Challenges in Sharjah, Ajman and Ras Al Khaimah	Dr. A. Srinivasa Rao
16	Muntasir Hamza Nur Elhuda Aukiman	Design and Analysis of oil storage vessels used in petroleum Industry	Dr. M.V.N. Sankaram
17	Abhimanyu Sarin	Developing a fast Iris Recognition System for Security Purposes	Dr. Jagadish Nayak

First Semester 2014-2015 (September 2014 to January 2015)

SI No	Name	Topic	Supervisor
1	Varun Dubey	Palm print based user Authentication	Dr. S. Vadivel
2	N.Manikanta	Rapid prototyping and Analysis of 3D printed Model	Dr. Ram Karthikeyan
3	Prarthana Clare	Production of Microalgal biomass using treated waste water in a Tubular Photobioreactor	Dr. S. Ramachandran
4	Akshay Deshpande	Production of Microalgal Biomass using fresh water in a Tubular Photobioreactor.	Dr. B.G. Prakash Kumar
5	Busireddy Surya Teja Reddy	Computer Aided Design and analysis of Solar Energy Driven Stirling Engine	Dr. M.V.N. Sankaram
6	Shivam Walia	Design and Implementation of Sampling Algorithms for Data Mining	Dr. V. Santhosh Kumar
7	Zeba Rahman	Simulation Studies on Modeling and Control of a Level Process	Dr. Kalaichelvi
8	Ashish Batra	Design for production process layout in automobile industries	Dr.M.Parveen
9	Vinit Bediya	Power Generation on Biogas	Dr. N.K.Miller Jothi
10	Shruthi Vellingiri	Field theoretic and practical analysis of PCB structures used in high data interface.	Dr. Jagadish Nayak
11	Shwetha N.	Study of the nuclear lamina and pore complex during the DNA damage response	Dr. Basuthkar J. Rao (Off Campus, TIFR, Mumbai) and Dr. Neeru Sood
12	P. Rangapriya	3D image reconstruction using a DLP projector in conjunction with an industrial camera	Dr. Jagadish Nayak
13	Yashasvi Vedula	Leveraging Smart phone Technology to Enhance Emergency Response Services	Dr. B. Vijaykumar
14	Sudarshan Santhanam	FPGA based personal authentication using Fingerprint.	Dr. Vilas Gaidhane

DETAILS OF DISTRIBUTION OF PS I STUDENTS AND FACULTY OVER PRACTICE SCHOOL- I STATIONS DURING THE SUMMER TERM 2013-2014

(08.06.2014 – 04.08.2014)

S. No.	STATION	No. OF STUDENTS	No. OF FACULTY
I. Stations in United Arab Emirates (UAE)			
ia. Stations at Abu Dhabi			
1	ADMA-OPCO	3	1
2	Automech Engineering Co. LLC	3	1
3	DBA Infotech	2	1
4	GLOBAL Enterprises	3	1
5	Gulf and Safa Dairies	5	1
6	National Petroleum Construction Company (NPCC)	3	1
7	Solution Middle East	3	1
8	Universal Voltas LLC	5	1
9	Worley Parson	2	1
ib. Stations at Ajman			
10	Elfit Arabia*	2	1
11	Lavish Living International	4	1
ic. Stations at Al Ain			
12	Technofutura	2	1
id. Stations at Dubai			
13	ABB	3	1
14	Al Faizan Electrical Installations LLC	3	1
15	Al Khaleej Sugar Co.	2	1
16	Bits IT Solutions LLC	4	1
17	Cluttons*	2	1
18	Constellation Marine Services LLC	3	1
19	Cosmos Star Consultant	2	1
20	Eastern Biotech and Life Sciences FZ LLC	3	1
21	Emerson Process Management FZE*	3	1
22	Emirates Glass LLC	2	1
23	Energy Automation*	3	1
24	ETA Mechanical & Electrical*	4	1
25	ETA MELCO	2	1
26	ETA Star Portal LLC*	6	1
27	Evanssion FZCo	3	1
28	Fedex Express	4	1
29	FerroFab FZE	4	1
30	Levtech Consulting	4	1
31	Globelink Weststar Shipping LLC	2	1

S. No.	STATION	No. OF STUDENTS	No. OF FACULTY
32	Granteq	3	1
33	Grundfos	4	1
34	Gulf Center for Soap & Chemical Industries LLC	4	1
35	Gulf Metal Foundry LLC	5	1
36	Gulf Radiant Electricals Trading LLC	4	1
37	Gulf Wireless and Television LLC	4	1
38	Hasan Al Safar BM LLC.	4	1
39	Infinique Middle East FZCo	5	1
40	Infratech Controls BM LLC	4	1
41	Innosoft	2	1
42	Intercoil	4	1
43	Interiors Quotient	3	1
44	Kingsmen ME LLC*	5	1
45	L & T Electrical and Automation FZE*	4	1
46	MEOS	2	1
47	Miltech Rugged Computing Solutions	5	1
48	Oasis Investments	3	1
49	Paramount Computer Systems FZ LLC*	2	1
50	Premier Diagnostic Center	3	1
51	Professionals & Accountancy Centre	5	1
52	Q-People Solutions	2	1
53	Ras Infotech	4	1
54	Reliance Facilities Management Global	2	1
55	Roto Packing	3	1
56	Safety Electricals & Switchgear Manufacturing LLC	3	1
57	Sanbook Quality Consultancy*	8	1
58	Scan Technology LLC	6	1
59	Screen Check	2	1
60	Shen Milsom & Wilke LLC	1	1
61	Siemens*	5	1
62	Solico Fiber Glass factory	4	1
63	Solutions Middle East*	4	1
64	Spira Power Gasket Manufacturing LLC	4	1
65	Star Cement LLC (Aditya Birla Group)*	4	1
66	Steinweg-Sharaf	4	1
67	Tech Robotix FzCo*	3	1
68	Technofab Steel Manufacturing LLC.	3	1
69	Technovaa Industries LLC	2	1
70	Teknoware*	2	1
71	Topnet Distribution FzCo*	2	1
72	Transgulf Electro Mechanical	3	1
73	Transworld Group of Companies	3	1
74	Twinvey	2	1

S. No.	STATION	No. OF STUDENTS	No. OF FACULTY
75	United Diesel	6	1
76	YMC FZ LLC*	5	1
77	Zio Technologies LLC*	3	1
le. Stations at Ras Al-Khaimah			
78	Ashok Leyland	2	1
If. Stations at Sharjah			
79	Cluttons*	2	1
80	Computer Networks Middle East	4	1
81	Consilium Middle East FZLLC	2	1
82	Diplomat Engineering	5	1
83	L & T Hydrocarbons	3	1
84	Petrofac*	5	1
85	Saipem	2	1
86	SIEG Middle East FZC	1	1
87	Verger et Delporte Ltd.	5	1
II. Stations in India			
Ila. Stations at Chandigarh			
88	Eon Infotech Ltd.	4	1
89	Nahar Spinning Mills Ltd	9	1
Ilb. Stations at Delhi			
90	BEL	2	1
91	BHEL	5	1
92	Fortis Escorts Heart Institute	4	1
93	HCL Systems	6	1
94	Microtek International Pvt. Ltd.	6	1
95	Okaya Power Ltd.	5	1
96	Power Grid Corporation	5	1
Ilc. Stations at Hyderabad			
97	EUROFLEX	12	1
98	SRR Projects	6	1
99	Sujana Metal Products Ltd.	13	1

Summary:

Total number of students	369
Total number of Stations	99
Total number of Faculty	26**

Note:

* - also PS II station

** - Each PS I Faculty was allotted more than one station to monitor.

SOME PRACTICE SCHOOL- II STATISTICS

Statistical Details of the Distribution of Students & Faculty over Practice School-II during the year 2014:

S. No.	Name of the PS Station	Second Semester 2013-14 03.02.2013 – 15.07.2013		First Semester 2014-15 04.08.2013 – 09.01.2014		Total No. of Students
		No. of Students	No. of Faculty	No. of Students	No. of Faculty	
A. Stations at Abu Dhabi						
1	Genesis Oil and Gas Consultants Ltd	2	1	-	-	2
2	Honeywell Process Solutions	3	1	-	-	3
3	IMCC	-	-	2	1	2
4	Sanbook Quality Consultancy*	-	-	3	1	3
5	Siemens*	-	-	1	1	1
6	Solutions Middle East*	-	-	9	1	9
7	Technip	-	-	1	1	1
B. Stations at Ajman						
8	Elfit Arabia*	4	1	4	1	8
9	Lavish Living International*	-	-	4	1	4
C. Stations at Dubai						
10	Al Abbas Group	3	1	4	1	7
11	AZBIL Corporation	3	1	2	1	5
12	Caparo Middle East	-	-	2	1	2
13	Central motors & Equipment (BOSCH)	2	1	1	1	3
14	Cluttons	2	1	-	-	2
15	DIA LLC	3	1	-	-	3
16	DNV	1	1	-	-	1
17	Dodsall Engg	-	-	2	1	2
18	ECS ME LLC	2	1	2	1	4
19	Emerson Process Management*	10	1	8	1	18
20	Energy Automation JLT*	2	1	2	1	4
21	ETA Cars LLC	3	1	3	1	6
22	ETA M & E*	4	1	4	1	8
23	ETA Star Portal LLC*	4	1	6	1	10
24	Evanssion Middle East*	-	-	3	1	3
25	FedEX Express*	-	-	4	1	4
26	Granteq*	-	-	3	1	3
27	Infinique Middle East FZCO*	2	1	-	-	2
28	Infratech Controls BM LLC*	3	1	-	-	3
29	Innosoft Gulf	1	1	-	-	1
30	Intercoil LLC*	-	-	4	1	4
31	ITC Infotech	4	1	-	-	4
32	Kingsmen Middle East LLC*	-	-	4	1	4
33	L&T Electrical & Automation FZE*	13	1	7	1	20
34	Levtech Consulting (Frequency Events)*	-	-	3	1	3
35	Lucy Switchgear FZE	3	1	2	1	5

S. No.	Name of the PS Station	Second Semester 2013-14 03.02.2013 – 15.07.2013		First Semester 2014-15 04.08.2013 – 09.01.2014		Total No. of Students
		No. of Students	No. of Faculty	No. of Students	No. of Faculty	
36	MSD Merck Sharp & Dhome	4	1	4	1	8
37	Paramount Computers Systems FZ LLC*	2	1	3	1	5
38	Petrofac International	3	1	-	1	3
39	Prismatic FZCO	-	-	3	1	3
40	Proserv Middle East	3	1	3	1	6
41	Protiviti Member Firm Middle East Ltd.	4	1	-	-	4
42	Ras Infotech Limited*	2	1	-	-	2
43	Redcube Systems LLC	2	1	2	1	4
44	Sanbook Quality Consultancy	6	1	-	-	6
45	Scientechinc	4	1	4	1	8
46	Seven seas Computers LLC Duabi	3	1	-	-	3
47	Siemens LLC*	4	1	5	1	9
48	Solution Middle East*	-	-	6	1	6
49	Spira Power Gasket Manufacturing LLC*	3	1	4	1	7
50	Star Cement Co. LLC*	3	1	-	-	3
51	TechRobotix FZCO*	2	1	4	1	6
52	Teknoware FZCO*	-	-	2	1	2
53	Thyssen Krupp Elevator LLC	4	1	5	1	9
54	Topnet Distribution FZCO*	-	-	3	1	3
55	Trinity Holdings	2	1	2	1	4
56	Young and Mubeen Controls*	7	1	-	-	7
57	Zio Technologies*	3	1	3	1	6
D. Sharjah						
58	Central motors & Equipment (BOSCH)	1	1	1	1	2
59	Cluttons*	2	1	-	-	2
60	Corrosion Technology Services LLC	-	-	2	1	2
61	ESRI	2	1	2	1	4
62	Gulf Petrochem	-	1	3	1	3

Summary:

Total No. of PS II stations in Semester II – 42

Total No. of PS II stations in Semester I – 45

Common Stations in Both Semesters - 27

Total No. of students in Semester II – 140

Total No. of students in Semester I – 151

* Also PS I stations

PRACTICE SCHOOL STATISTICS**PRACTICE SCHOOL- I**

Session	No. of students who attended PS- I	No. of faculty who supervised PS- I	No. of PS- I Stations
Summer 2002	53	04	07
Summer 2003	102	10	24
Summer 2004	94	14	26
Summer 2005	155	21	49
Summer 2006	260	28	81
Summer 2007	256	32	91
Summer 2008	357	40	117
Summer 2009	357	40	126
Summer 2010	457	49	139
Summer 2011	343	32	89
Summer 2012	294	28	76
Summer 2013	325	23	89
Summer 2014	369	26	99

PRACTICE SCHOOL II

Year	Semester	Period (Duration)	No. of Stations	No. of Students	No. of Faculty
2003-04	I	July 2003 to January 2004 (09.07.2003 to 18.01.2004)	17	27	16
	II	February 2004 to July 2004 (09.02.2004 to 22.07.2004)	16	26	13
2004-05	I	August 2004 to January 2005 (02.08.2004 to 10.01.2005)	27	43	17
	II	February 2005 to July 2005 (01.02.2005 to 14.07.2005)	28	39	26
2005-06	I	July 2005 to January 2006 (24.07.2005 to 05.01.2006)	30	47	30
	II	February 2006 to July 2006 (02.02.2006 to 16.07.2006)	31	43	27
2006-07	I	July 2006 to January 2007 (31.07.2006 to 12.01.2007)	40	76	40
	II	February 2007 to July 2007 (01.02.2007 to 15.07.2007)	45	75	38
2007-08	I	August 2007 to January 2008 (1.08.2007 to 15.01.2008)	59	116	50
	II	February 2008 to July 2008 (3.02.2008 to 17.07.2008)	57	115	50
2008-09	I	August 2008 to January 2009	67	140	52

Year	Semester	Period (Duration)	No. of Stations	No. of Students	No. of Faculty
		(3.08.2008 to 15.01.2009)			
	II	February 2009 to July 2009 (01.02.2009 to 15.07.2009)	61	133	51
2009-10	I	August 2009 – January 2010 (02.08.2009 to 14.01.2010)	73	155	60
	II	January 2010 to July 2010 (31.01.2010 to 14.07.2010)	59	163	52
2010-11	I	August 2010 to January 2011 (1.08.2010 to 13.01.2011)	71	170	65
	II	February 2011 – July 2011 (30.01.2011 to 14.07.2011)	66	199	59
2011-12	I	August 2011 – January 2012 (1.08.2011 to 12.01.2012)	71	204	62
	II	February 2012 – July 2012 (1.02.2012 to 12.07.2012)	76	242	60
2012-13	I	August 2012 – January 2013 (1.08.2012 to 10.01.2013)	40	144	38
	II	February 2013 – July 2013 (3.02.2013 to 15.07.2013)	42	152	40
2013-14	I	August 2013 – January 2014 (4.08.2013 to 9.01.2014)	41	134	39
	II	February 2014 – July 2014 (2.02.2014 to 3.07.2014)	42	141	41
2014-15	I	August 2014 – January 2015 (5.08.2014 to 8.01.2015)	47	152	43

FACILITIES AVAILABLE AT PS I STATIONS DURING THE YEAR 2013-14

S. No.	STATION	Out of pocket allowance in AED & Others Facilities
I. Stations in United Arab Emirates (UAE)		
Ia. Stations at Abu Dhabi		
1	Automech Engineering Co. LLC	1000
2	GLOBAL Enterprises	1000
3	Solution Middle East LLC	750
Ib. Stations at Ajman		
4	Elfit Arabia	750
5	Lavish Living International FZC	1500
Ic. Stations at Dubai		
6	Cluttons	1500
7	Constellation Marine Services LLC	750
8	Cosmos Star Consultant	500
9	Emerson Process Management FZE	500
10	Energy Automation	1000
11	Globelink Weststar Shipping LLC	1000
12	Infratech Controls BM LLC	1500
13	Kingsmen ME LLC	800
14	L & T Electrical and Automation FZE	2000
15	Q-People Solutions	750
16	Roto Packing	750
17	Safety Electricals & Switchgear Manufacturing LLC	750
18	Sanbook Quality Consultancy	750
19	Siemens	1000
20	Solutions Middle East	750
21	Topnet Distribution FZCo	1000
22	Transworld Group of Companies	1000
23	YMC FZ LLC	1000
24	Zio Technologies LLC	1000
Id. Stations at Sharjah		
25	Cluttons	1500
26	L & T Hydrocarbons	1000
27	Petrofac	4500

FACILITIES AVAILABLE AT PS II STATIONS DURING THE YEAR 2013-14

S. No.	Name of the PS Station	Out of pocket allowance in AED & Others Facilities
la. Stations at Abu Dhabi		
1	Genesis Oil	1500
2	Solutions MiddleEast	1000
3	Sanbook Quality Consultancy	500
4	Siemens	3500
5	Technip	1500
lb. Stations at Ajman		
6	Elfit Arabia	750
7	Lavish Livings International FZC	1500
lc. Stations at Dubai		
8	Al Abbas Group	1500
9	Azbil Corporation	1500
10	BOSCH (Central Motors)	2500
11	Caparo ME	1000
12	Cluttons	1500
13	DIA LLC	1500
14	DNV	2000
15	DODSAL Engg.	1500
16	ECS ME LLC	1500
17	Emerson Process Management FZE	500
18	Energy Automation	1000
19	Granteq	500
20	Infratech Controls LLC	1000
21	Intercoil	2000
22	Kingsmen ME LLC	1000
23	KPTAC	1200
24	L&T Electrical & Automation FZE	2000
25	Levtech Consulting	750
26	Lucy Switchgear	1500
27	Merck Sharp & Dohme	2000
28	Paramount Computer Systems LLC	2000
29	Prismatic	500
30	Proserv	2000
31	Protiviti Member Firm (Middle East) Ltd	2000
32	RAS Infotech Limited	1000
33	Redcube Systems LLC	1000
34	Sciencetech	2000
35	Seven Seas Computer LLC	1000

S. No.	Name of the PS Station	Out of pocket allowance in AED & Others Facilities
36	Siemens	3400
37	Solution Middle East	1000
38	Spira Power	1500
39	Techrobotix	750
40	Teknoware	750
41	Thyssenkrupp Elevators	1500
42	Topnet Distribution FZCo	1000
43	Young and Mubeen Control	1000
44	Zio Technologies	1500
Id. Sharjah		
45	BOSCH (Central Motors)	2500
46	Cluttons	1500
47	Corrossion Technology Services	2000
48	ESRI	3500
49	Petrofac	4500

Annexure B4-19
(5 pages)

LIST OF PROJECT ASSIGNMENTS FOR PS II - FIRST SEMESTER 2014-15

- 1 IMCC, Abu Dhabi, UAE**
 - 1 The Construction of a Rising Turret Module for an FPSO Unit
- 2 Siemens, Abu Dhabi, UAE**
 - 3 Process and Automation Projects - Energy Sector
 - 4 Automation Programs and Projects - Energy Sector
- 3 Solutions Middle East, Abu Dhabi UAE**
 - 5 Support and sales in SME
 - 6 An overview of marketing & sales in SME
- 4 Standard Global Consultancy, Abu Dhabi, UAE**
 - 7 Implementation of HACCP in Food Industries
- 5 Technip, Abu Dhabi, UAE**
 - 8 Hail oil field development project
 - 9 Hail oil field development -separator project
- 6 Elfit Arabia, Ajman, UAE**
 - 10 Energy Auditing In Elfit Arabia
 - 11 Programmable Logic Controller And Its Application In Winch Machine
 - 12 Fusion Splicing And Manufacturing Of Fiber Optics
- 7 Lavish Living International, Ajman, UAE**
 - 13 Project Management on E - Commerce Drop shipping
 - 14 Inventory Management with Online Trading
 - 15 Supply chain management and its benefits
- 8 Al Abbas Group, Dubai, UAE**
 - 16 Analysis of Financial Statement of Al Abbas Trading Company
 - 17 Computer Microprocessors
 - 18 PC Architecture and Client-Server Architecture
 - 19 Cloud Computing and its uses
 - 20 Introduction to ORACLE e-Business Suite HRMS
- 9 AZBIL Corporation, Dubai, UAE**
 - 21 HVAC Integrated With BMS
 - 22 Building Management System (Savec-Net Fx)
- 10 Caparo Middle East , Dubai, UAE**
 - 23 Y3k CCTV Camera
 - 24 Cable Management System
- 11 Central motors & Equipment (BOSCH), Dubai, UAE**
 - 25 Business Development & Bosch Car Service In Central Motors & Equipment
- 12 DNV, Dubai, UAE**
 - 26 Business Assurance Service Portfolio
 - 27 Offshore Classification in DNV-GL : Plan Approval and Project Engineering
- 13 Dodsall Engg, Dubai, UAE**
 - 28 Study Of Separators
 - 29 Process Engineering Deliverables In An Epc Company
- 14 Emerson Process Management, Dubai, UAE**

- 30 An analysis of cavitations, flashing and noise in control valves
- 31 Supply Chain Management And Lean Manufacturing
- 32 Open Communication Protocol In Field Instruments Manufactured In Emerson
- 33 Control And Monitoring Of Transmitters In Line With Instrumentation
- 34 Design And Analysis Of A MEMS Based Differential Pressure Sensor For Level Measurement Applications
- 35 Case Study And Comparative Analysis – Oracle Demantra
- 36 Impact Of ISO 9001 Standard On Quality Management Practices And Supply Chain Management In Emerson
- 15 Energy Automation JLT, Dubai, UAE**
 - 37 Automation Of Building Management Systems & Hvac Systems
 - 38 Energy Savings In Building Management Systems
- 16 ETA Cars LLC , Dubai, UAE**
 - 39 Mechanical Repairs
 - 40 Braking System
 - 41 Lubricant Services
- 17 ETA M & E, Dubai, UAE**
 - 42 Fire Protection System At Burj Al Salam
 - 43 Air Conditioning System At Burj Al Salam
 - 44 Building Management System At Burj Al Salam
 - 45 Low Voltage Distribution-Main Distribution Board Description And Air Circuit Breakers
- 18 ETA Star Portal LLC, Dubai, UAE**
 - 46 Supply Chain
 - 47 Facility Management And Health Management
 - 48 E-Sourcing And Procurement Outsourcing
 - 49 Construction Project Management
 - 50 Bio-Based Plastics
 - 51 Worldwide procurement and sourcing : Global strategy management and Analysis.
- 19 Evanssion Middle East, Dubai**
 - 52 Evaluation Of Soffront CRM Solution
 - 53 CRM Implementation
 - 54 Analysis & Evaluation Of Customer Relation Management Software - Sugarcrm
- 20 FedEx Express, UAE**
 - 55 Automation Of Booking Retrieval System And Creation Of New Fedex Account
 - 56 Application Development On CE Portal Using Microsoft Sharepoint
 - 57 Preemptive Support Automation At Fedex
 - 58 Operations And Support At Customer Service Level At Fedex
- 21 Granteq, Dubai, UAE**

- 59 Innovation In Av Technology
- 60 Interactive White Boards
- 61 Audio Visual Equipment In Educational Sector
- 22 Intercoil LLC, Dubai, UAE**
 - 62 Quilting Section & Erp Transition At Intercoil International, Dubai
 - 63 Health And Safety Measures In Mattress Production And Automated Truck Loading System
 - 64 Process Flow, Machinery And Quality Control In Mattress Production
 - 65 Mattress Manufacturing - Padding
 - 66 Lean Manufacturing Implementation At Intercoil International
- 23 Kingsmen Middle East LLC, Dubai, UAE**
 - 67 Dsg@Gitex Technology Week 2014
 - 68 Project Management Methodology
 - 69 Project Execution In Interior Department.
 - 70 Arab International Aluminium Conference 2014
- 24 L&T Electrical & Automation FZE, Dubai, UAE**
 - 71 SCADA and Troubleshooting Drawings
 - 72 Design Level Implementation Of User-Interface Screens, Panel Logistics And Testing
 - 73 Detailed Design Engineering of Oil and Gas Systems
 - 74 Panel Automation And Fundamentals Behind Chiller Process Plant
 - 75 Quality Control and Certification of Electrical, Electronic and Telecommunication Products
 - 76 System Integration and Testing of RTU Panels
 - 77 Detailed Design Engineering of Telecom Systems
- 25 Levtech Consulting, Dubai, UAE**
 - 78 Understanding Enterprise Business Solutions & Different Marketing Techniques
 - 79 Business Solutions & Services by Levtech Consulting
 - 80 Introduction to Business Solutions & Role of Marketing in an Organization
- 26 Lucy Switchgear FZE, Dubai, UAE**
 - 81 Energy Monitoring & Management
 - 82 It Asset Management
- 27 MSD Merck Sharp & Dhome, Dubai, UAE**
 - 83 Business Operations - Digital Execution and Performance Monitoring
 - 84 Business Operations- Sales Report Automation And Analysis
 - 85 Business Operations- Designing and Creating Complex Dashboards
 - 86 Business Operations- Advancement of Promotional Coordination
 - 87 Human Resource Information System
- 28 Paramount Computers Systems FZ LLC, Dubai, UAE**
 - 88 Network Security
 - 89 Cybercrime Agent Classification
 - 90 Firewalls
- 29 Prismatic FZCO, Dubai, UAE**
 - 91 Elements That Help Create A Website
 - 92 Elements That Help Create A Website
 - 93 Structured Cabling and Instrumentation
- 30 Proserv Middle East, Dubai, UAE**
 - 94 Engineering, Production And Management Of Wellhead Control Panels
 - 95 Manufacturing Of Chemical Injection Skids And Its Functioning In Offshore Fields
 - 96 Engineering And Production Of Pressure Test Units

31 Redcube Systems LLC, Dubai, UAE

- 97 Estimation Procurement And Installation Of Electro-Mechanical Services.
- 98 Closed Circuit Television Cameras And Security Systems

32 Sanbook Quality Consultancy

- 99 Estimation of uncertainty in oil done at Sanbook
- 100 Implementation of information security management system in service industries
- 101 Study Of ISO 22716 In The Manufacturing Sector And Laboratories
- 102 Implementation Of Quality Management System In Perfume Industries
- 103 Environmental Impact Assessment Studies in the Construction, Manufacturing And Service Industries
- 104 Implementation & Accreditation In Calibration & Testing Labs as Per ISO 17025:2005
- 105 Study on hazard analysis and critical control points at Sanbook Quality Consultancy
- 106 Importance of occupational health and safety in industries and laboratories

33 Scientechnic, Dubai, UAE

- 107 Fire Safety In A Steel Plant
- 108 The Calculation Of Fm200 Gas Flow Requirement Including Operation And Maintenance Of Fire Fighting Systems
- 109 Dubai Tram
- 110 Al Sufouh Tramway Consortium

34 Siemens LLC, Dubai, UAE

- 111 Building management systems using DESIGO XWORKS PLUS
- 112 Programming fresh air handling unit
- 113 Building automation and Direct digital control
- 114 Building automation and access control system
- 115 Project Management

35 Solutions Middle East, Dubai, UAE

- 116 Support At Solutions Me
- 117 The Functions And Duties Of Hr Department At Solutions Middle East
- 118 Marketing Of Information Technology Related Products & Solutions In Solutions Middle East
- 119 SME Pre-Sales Team Structure
- 120 Sales Of Information Technology Related Products & Solutions In Solutions Middle East

36 Spira Power Gasket Manufacturing LLC, Dubai, UAE

- 121 Study And Automation Of Advanced Gasket Cutting Machines
- 122 Study Of Lathe Machines And Industrial Application Of Gaskets
- 123 Study Of Safe Seal Usage And Gasket Installation Process
- 124 Study Of Gaskets And Gasket Production Process

37 TechRobotix FZCO

- 125 Developing Applications On Intuiface
- 126 Ministry Of Culture Youth And Community Development
- 127 Application And Sales Of Smart Display Solutions
- 128 Development Of Website And Installation Of Screens

38 Teknoware FZCO, Dubai, UAE

- 129 Emergency Lighting Solutions
- 130 Central Battery Systems

39 Thyssen Krupp Elevator LLC, Dubai, UAE

- 131 A Study of Modernization Techniques and Implementation of Sustainability in ThyssenKrupp Products
- 132 Structure and Working of Service and Sales Departments at Thyssenkrupp Elevators
- 133 Energy Efficient Elevators
- 134 Preventive Maintenance and Installation Procedure for MRL Elevators

- 135 Structural Design and Safety Components Of A Machine Room-Less Elevator
- 40 Topnet Distribution FZCO, Dubai, UAE**
 - 136 Fiber Optic Communication
 - 137 Structured Cabling
- 41 Trinity Holdings, Dubai, UAE**
 - 138 Comparative Study and Redesign of Manufacturing Components in Trinity Mechanical Services
 - 139 Product Processing and Cost Evaluation of Machined Goods in Trinity Mechanical Services
- 42 Zio Technologies, Dubai, UAE**
 - 140 System Integration
 - 141 Security Surveillance & Access Control Systems
 - 142 Audio/Visual Systems
- 43 Central motors & Equipment (BOSCH), Sharjah, UAE**
 - 143 Al Fahim Group and Brands
- 44 Corrosion Technology Services LLC, Sharjah, UAE**
 - 144 Study on AC Mitigation Interference
 - 145 A Study on DC Voltage Gradient Pipeline Coating
- 45 ESRI, Sharjah, UAE**
 - 146 Development of Raster functions in Arcgis 10.2 and 10.3
 - 147 Software Development practices at ESRI
- 46 Gulf Petrochem, Sharjah, UAE**
 - 148 Application Of Wiped Film Evaporator And Production Of Bitumen In Gulf Petrochem
 - 149 HAZOP Analysis And Operations Of The Oil Refinery And The STRATCO Reactor At Gulf Petroc
 - 150 Hazop Analysis On Various Manufacturing Plants In Gulf Petrochem

COMPUTING FACILITIES ACROSS THE CAMPUS

S. No.	Location	Hardware	QTY	Software
		Equipment		
1	Server Room	Intel Xeon Quad Core E5310 1.60Ghz/1066 Mhz,8MB,IBM 146Gb SFF Non Hot Swap 10K SAS HDD,2Gb(2X1Gb) PC2-5300 667 MHz ECC Chipkill DDR2,Qlogic 4Gb SFF Fibre Channel Expansion Card for IBM eServer Blade Center	2	Windows Server 2003 R2- Enterprise x64 edition, Domain Controller, Windows Server 2008 – Web Server Backup
		Intel Xeon Quad Core E5310 1.60Ghz/1066 Mhz,8MB L2,2X1GB Chipkill, O/Bay SAS,2Gb(2X2Gb) PC2- 5300 667 MHz ECC Chipkill DDR2,IBM 146Gb SFF Non Hot Swap 10K SAS HDD FBDIMM,4gb SFF Fibre Channel Expansion card for IBM eServer Bladecenter	3	Windows Server 2003 R2- Enterprise x64 edition, Microsoft Exchange 2007(HT,CA and MB)
		Intel Xeon Quad Core E5420 80W 2.50GHz/133Mhz/12Mb L2,2X1Gb chk, O/Bay SAS,2Gb(2X1Gb) PC2-5300 667 MHz ECC Chipkill DDR2 FBDIMM,IBM 146Gb SFF Non Hot Swap 10K SAS HDD	3	Windows Server 2003 R2- Enterprise x64 –Spare proxy, Windows Server 2008 Domain Controller, Windows Server 2008 –Exchange 2010
		Cyberoam CR500ia		
		Intel Xeon Quad Core E5310 1.60Ghz/1066 Mhz,8MB,IBM 146Gb SFF Non Hot Swap 10K SAS HDD,2Gb(2X1Gb) PC2-5300 667 MHz ECC Chipkill DDR2,Qlogic 4Gb SFF Fibre Channel Expansion Card for IBM eServer Blade Center	1	Windows Server 2008 edition, DNS,DHCP
		Intel Xeon Quad Core E5310 1.60Ghz/1066 Mhz,8MB,IBM 146Gb SFF Non Hot Swap 10K SAS HDD,2Gb(2X1Gb) PC2-5300 667 MHz ECC Chipkill DDR2,Qlogic 4Gb SFF Fibre Channel Expansion Card for IBM eServer Blade Center	1	Windows Server 2003 R2- Enterprise x64 edition,Mathworks-Matlab
		3.06Ghz P4Intel Xeon Processor, 2 GB RAM and 80Gb Harddisk	1	Windows Server 2003-Standard Edition, Autocad
		3.05GhzP4 Intel Xeon Processor,1Gb RAM and 80Gb Hard disk	1	Windows Server 2003-Standard Edition, McAfee AntiVirus
		3.6GhzP4 Intel Processor, 1.72Gb RAM and 80Gb Hard disk	1	Windows Server 2003-Standard Edition,Catia
		2.40Ghz P4 Intel Xeon Processor, 1Gb RAM and 80Gb Hard disk	1	Windows Server 2003-Standard Edition,Tally
		Intel Core 2Ghz,1GB Ram,160Gb HDD	2	Windows Server-2003-Enterprise Edition,App Test & Student Projects
		Panasonic TDA 620	3	
Panasonic TDA 600	1			
Panasonic TVM 200	1			
2	Computer Programmin	Dell- OptiPlex 9020, Win 8.1 Enterprise		Windows 8.1, Win XP

S. No.	Location	Hardware	QTY	Software
		Equipment		
	g Lab	Processor Intel® Core (TM) i-7 4770, CPU @ 3.40GHz, Ether Link 10/100 DVD Combo	70	
		IBM -LENOVO-Think Centre:Inter® Core 2 CPU 4400@ 2.00 GHz,1.99Ghz , 1GB RAM,150GB Hard Disk, Broadcom NetLink Gigabit Ethernet Network Card,DVD Combo	3	
3	Catia Lab	IBM -LENOVO-Think Centre:Inter® Core 2 CPU 4400@ 2.00 GHz,1.99Ghz , 1GB RAM,150GB Hard Disk, Broadcom NetLink Gigabit Ethernet Network Card,DVD Combo	33	Windows XP, CATIA V5
4	Engineering Graphics Lab	Dell- OptiPlex 7020MT, Win 8.1 Enterprise Processor Intel® Core (TM) i-5 4770, CPU @ 3.40GHz, Ether Link 10/100 DVD Combo	80	Windows 8.1, AutoCad2015
5	Microprocessor Lab	IBM -LENOVO-Think Centre:Inter® Core 2 CPU 4400@ 2.00 GHz,1.99Ghz , 1GB RAM,150GB Hard Disk, Broadcom NetLink Gigabit Ethernet Network Card,DVD Combo	11	Windows XP, RedHat Linux 5.0 advanced platform
		Dell- OptiPlex 9020, Win 8.1 Enterprise Processor Intel® Core (TM) i-7 4770, CPU @ 3.40GHz, Ether Link 10/100 DVD Combo	30	Red Hat Linux, Ubuntu and Win 8.1
		IBM -LENOVO-Think Centre:Inter® Core 2 CPU 4400@ 2.00 GHz,1.99Ghz , 1GB RAM,150GB Hard Disk, Broadcom NetLink Gigabit Ethernet Network Card,DVD Combo	1	Windows XP
6	Physics Lab	ACER 5200,2.4Ghz\Intel,256MB	2	Windows XP,
7	Communication & Instrumentation Lab	ACER 5600,2.80Ghz/Intel, 512 MB RAM	6	Windows XP, Win 8.1
		Compaq D510 ,2.40Ghz\Intel, 256 MB Dell- OptiPlex 9020, Win 8.1 Enterprise Processor Intel® Core (TM) i-7 4770, CPU @ 3.40GHz, Ether Link 10/100 DVD Combo	8	
8	Digital Electronics Lab	IBM -LENOVO-Think Centre:Inter® Core 2 CPU 4400@ 2.00 GHz,1.99Ghz , 1GB RAM,150GB Hard Disk, Broadcom NetLink Gigabit Ethernet Network Card,DVD Combo	2	Windows XP
9	Analog /DSP LAB Electronics Lab	ACER: Intel® Pentium 4 - 2.8GHz ACPI uniprocessor PC, 512MB RAM, 40GB Hard Disk, 3COM Ether Link 10/100 Dell- OptiPlex 9020, Win 8.1 Enterprise Processor Intel® Core (TM) i-7 4770, CPU @ 3.40GHz, Ether Link 10/100 DVD Combo	20	Windows 8.1,

S. No.	Location	Hardware	QTY	Software
		Equipment		
10	EMEC Lab	ACER: Intel® Pentium 4 - 2.8GHz ACPI uniprocessor PC, 512MB RAM, 40GB Hard Disk, 3COM Ether Link 10/100	1	Windows XP
		Dell- OptiPlex 9020, Win 8.1 Enterprise Processor Intel® Core (TM) i-7 4770, CPU @ 3.40GHz, Ether Link 10/100 DVD Combo	2	Win 8.1
11	Heat Transformation Lab	ACER: Intel® Pentium 4 - 2.8GHz ACPI uniprocessor PC, 512MB RAM, 40GB Hard Disk, 3COM Ether Link 10/100	3	Windows XP
		Compaq D510, 2.40Ghz\Intel	1	
12	Communication Lab	ACER: Intel Core 2 CPU 2.0GHz, 1 GB RAM, 150GB Hard Disk, DVD Writer	2	Windows XP 2003 and Matlab 7 SIMULINK-R2010a
		Inter Core i5 CPU 650 @ 3.20 Ghz 2 Gb RAM 500 HDD	1	
13	MT (II) EEE Lab	ACER: Intel® Pentium 4 - 2.8GHz ACPI uniprocessor PC, 512MB RAM, 40GB Hard Disk, 3COM Ether Link 10/100	1	Windows XP
14	MT (II) Non EEE Lab	ACER: Intel® Pentium 4 - 2.8GHz ACPI uniprocessor PC, 512MB RAM, 40GB Hard Disk, 3COM Ether Link 10/100	1	Windows XP
15	Mechanical Workshop	ACER: Intel® Pentium 4 - 2.8GHz ACPI uniprocessor PC, 512MB RAM, 40GB Hard Disk, 3COM Ether Link 10/100	1	Windows XP
16	Transport Phenominon Lab	Assembled-3.0Ghz\Intel, 512 Mb RAM	1	Windows XP
17	CNC Lab	Assembled-3.0Ghz\Intel, 512 Mb RAM	2	Windows XP
18	Chemistry Lab	ACER: Intel® Pentium 4 - 2.8GHz ACPI uniprocessor PC, 512MB RAM, 40GB Hard Disk, 3COM Ether Link 10/100	1	Windows XP
19	Biology Lab	ACER: Intel® Pentium 4 - 2.8GHz ACPI uniprocessor PC, 512MB RAM, 40GB Hard Disk, 3COM Ether Link 10/100	1	Windows XP
20	Class Rooms	ACER: Intel® Pentium 4 - 2.8GHz ACPI uniprocessor PC, 1GB RAM, 40GB Hard Disk, 3COM Ether Link 10/100	30	Windows XP
21	Divisions (Grading, PSP, PS Div PCP, AAR, SW, I&E)	Dell- OptiPlex 9020, Win 8.1 Enterprise Processor Intel® Core (TM) i-7 4770, CPU @ 3.40GHz, Ether Link 10/100 DVD	3	Windows 8.1
		Dell- OptiPlex 9020, Win 8.1 Enterprise Processor Intel® Core (TM) i-7 4770, CPU @ 3.40GHz, Ether Link 10/100 DVD	3	
22	Library	IBM -LENOVO-Think Centre: Inter® Core 2 CPU 4400 @ 2.00 GHz, 1.99Ghz, 1GB RAM, 150GB Hard Disk, Broadcom NetLink Gigabit Ethernet Network Card, DVD Combo	6	Windows XP
		HP: Intel® Pentium 4 - 3.2GHz ACPI uniprocessor PC, 1GB RAM, 80GB Hard Disk, 3COM Ether Link 10/100	10	Windows XP

S. No.	Location	Hardware	QTY	Software
		Equipment		
		HP CompaqDL320 3.6Ghz Intel Xeon,1Gb,80GB HDD	1	Windows Server 2003-Standard Edition,Autolib
		Compaq D510 ,2.40Ghz\Intel	16	Windows XP
		ACER:Intel® Pentium 4 - 2.8GHzACPI uniprocessor PC, 512MB RAM, 40GB Hard Disk,3COM Ether Link 10/100	20	Windows XP
23	Faculty	IBM -LENOVO-Think Centre:Inter® Core 2 Dell- OptiPlex 9020, Win 8.1 Enterprise Processor Intel® Core (TM) i-7 4770, CPU @ 3.40GHz,Ether Link 10/100 DVD Combo HP Laptop	28 +28	Windows 8.1
24	Administration	IBM -LENOVO-Think Centre:Inter® Core 2 CPU 4400@ 2.00 GHz,1.99Ghz , 1GB RAM,150GB Hard Disk, Broadcom NetLink Gigabit Ethernet Network Card,DVD Combo Dell- Optiplex 9020, Win 8.1 Enterprise Processor Intel® Core (TM) i-7 4770, CPU @ 3.40GHz,Ether Link 10/100 DVD Combo	31 4	Windows XP Win 8.1
25	Admission	Dell- OptiPlex 9020, Win 8.1 Enterprise Processor Intel® Core (TM) i-7 4770, CPU @ 3.40GHz,Ether Link 10/100 DVD	4	Win 8.1
26	Students Services	Dell- OptiPlex 9020, Win 8.1 Enterprise Processor Intel® Core (TM) i-7 4770, CPU @ 3.40GHz,Ether Link 10/100 DVD	1	Win 8.1
27	Chemical LAB1	Dell- OptiPlex 9020, Win 8.1 Enterprise Processor Intel® Core (TM) i-7 4770, CPU @ 3.40GHz,Ether Link 10/100 DVD IBM-LENOVO-Think centre:Intel Core 2CPU 4400@ 2.00 GHz,1.99Ghz , 1GB RAM,150GB Hard Disk, Broadcom NetLinkGigabit Ethernet	4	Win XP

LIST OF EQUIPMENTS PROCURED DURING THE YEAR 2014

S. No	Name of Equipment	Used for Courses/Thesis/Dissertation Computational/Administrative Work
1	Torsional Pendulum	PHYSICS LAB
2	Rotational Motions of a rigid body	
3	PCI Add-On Cards 48 lines I/O Card	MICROPROCESSOR LAB
4	16 Channel 8-bit ADC Interface	
5	Stepper Motor Interface with Stepper Motor	
6	Altova XML Spy	CP Lab
7	DSP Starter Kit	DSP Lab
8	CC studio for 6713 DSK	
9	COMSOL Multiphysics	MEMS Lab
10	MEMS Modules	
11	Xilinx Spartan-6 LX45 FPGA	DECO
12	SPARTAN-3AN, USB TO JTAG, STARTER KIT	
13	SPARTAN-3A, LCD, VGA, STARTER KIT	
14	Academic LabVIEW	EIE LAB
15	VASP (Vienna ab initia simulation program) software	HD LAB
16	Trainer Board of MOSFET,BJT & IGBT	POWER ELECTRONICS LAB
17	Three phase PWM based Inverter module	
18	DC Motor Load Test Module	
19	DSP based controller	
20	Three Phase Inductive load Module	
21	Power Electronics Module	
22	Three Phase HV thyristor Control trainer	
23	Three phase VVVF Drive Trainer for squirrel cage induction motor	
24	Wind tunnel	PM FM LAB
25	Image analysis software	PT LAB
26	ANSYS 50 licenses	MECH. DEPT.
27	CATIA 50 licenses	CAD LAB
28	Vapor compression refrigeration test rig	PMFM LAB
29	Gas analyzer for IC engines	
30	Impact strength tester	PT LAB
31	Image analysis system	PT LAB
33	Vortex Mixer	IMA LAB
34	Analytical Balance	
35	Benchtop pH Meter,Conductivity,Infrared temperature measurement ,Lux meter	CHEMICAL ENGINEERING LAB-1
36	Aspentech University Program Licence	
37	SPSS software	General Science

S. No	Name of Equipment	Used for Courses/Thesis/Dissertation Computational/Administrative Work
38	Dell- OptiPlex 9020, Win 8.1 Enterprise Processor Intel® Core (TM) i-7 4770, CPU @ 3.40GHz,Ether Link 10/100 DVD Combo	Computer Programming Lab, Microprocessor Lab, Analog/DSP Lab, Communication & Instrumentation Lab, EMEC Lab, Faculty Chambers, Divisions(Grading, Administration, Admission, PSP, PS Div PCP,AAR,SW,I&E), Student Service
39	Dell- OptiPlex 7020MT, Win 8.1 Enterprise Processor Intel® Core (TM) i-5 4770, CPU @ 3.40GHz,Ether Link 10/100 DVD Combo	Engineering Graphics Lab
40	HP Pavilion 15-N221SE, Processor Intel® Core (TM) i-7, 8GB RAM, Windows 8.1, 2GB Graphic card	Faculty
41	LED Television 40"	Main Block Entrances

NEW COURSES OFFERED DURING 2014

S. No.	Course No.	Course Title
1	BITS G553	REAL TIME SYSTEMS
2	CS C422	PARALLEL COMPUTING
3	ME G521	MECHANICAL SYSTEM DESIGN
4	MEL G632	ANALOG IC DESIGN
5	SS G653	SOFTWARE ARCHITECTURES
6	DE G531	PRODUCT DESIGN
7	ME G515	COMPUT FLUID DYNAMICS
8	MBA C427	eBUSINESS & INTERNET MKT
9	ECON F212	FUNDA OF FIN AND ACCOUNT
10	GS F232	INTRODUCTORY PYSCHOLOGY
11	CHE F433	CORROSION ENGINEERING
12	CHE F471	ADVANCE PROCESS CONTROL
13	EEE F345	POWER APPARATUS & NETWK
14	ME F420	POWER PLANT ENGINEERING
15	CS F422	PARALLEL COMPUTING
16	INSTR F413	ADVANCE PROCESS CONTROL
17	INSTR F420	DESIGN OF INSTRU SYSTEMS
18	BIOT F423	DRUG DESIGN AND DELIVERY
19	ECE F472	SATELLITE COMMUNICATION
20	ECE F431	MOBILE TELECOM NETWORKS
21	BITS F412	PRACTICE SCHOOL II
22	BITS F421T	THESIS
23	BITS F466	SERVICE ORIENTED COMPUTING
24	EEE F376	DESIGN PROJECT
25	ECE F367	LABORATORY PROJECT
26	ECE F377	DESIGN PROJECT

S. No.	Course No.	Course Title
27	EEE F491	SPECIAL PROJECT
28	EEE F366	LABORATORY PROJECT
29	ME F367	LABORATORY PROJECT
30	CS F377	DESIGN PROJECT
31	INSTR F377	DESIGN PROJECT
32	ME F377	DESIGN PROJECT
33	BITS C419	MANAGEMENT OF CROSS CULTURAL ENGINEERING TEAMS
34	BITS F419	MANAGEMENT OF CROSS CULTURAL ENGINEERING TEAMS
35	BITS F462	RENEWABLE ENERGY
36	BITS F468	NEW VENTURE CREATION
37	BITS F416	INTRO TO NANOSCIENCE
38	BIOT F377	DESIGN PROJECT
39	BIOT F491	SPECIAL PROJECT
40	BITS F432	ENTREPRENEURSHIP
41	MGTS F233	PRIN OF MARKET FOR ENGRS
42	CS F444	REAL TIME SYSTEMS
43	CS G527	CLOUD COMPUTING

BITS Pilani

annual report 2014

Part B5: Work-Integrated Learning Programmes

CONTENTS

	Page No.
B5.1 SENIOR OFFICERS OF WILP	B5: 1
B5.2 HISTORY	B5: 1
B5.3 SALIENT FEATURES	B5: 1
B5.4 PROGRAMMES OFFERED	B5: 1-2
B5.5 MAP OF BITS WORK-INTEGRATED LEARNING & COLLABORATIVE PROGRAMMES 2012-2013	B5: 3
B5.6 ADMISSIONS	B5: 4
B5.7 REGISTRATION OF STUDENTS	B5: 4
B5.8 GEOGRAPHICAL DISTRIBUTION OF STUDENTS REGISTERED IN FIRST SEMESTER 2012-2013	B5: 4-5
B5.9 SPONSORED ORGANIZATIONS	B5: 5
B5.10 ACADEMIC CALENDAR	B5: 6-9
B5.11 COURSES OFFERED	B5: 9
B5.12 NEW COURSES INTRODUCED	B5: 9
B5.13 LIVE INTERACTIVE LECTURE SESSIONS	B5: 9-15
B5.14 PROJECT WORK AND DISSERTATION	B5: 15
B5.15 ACADEMIC AND PROFESSIONAL COUNSELLING	B5: 15
B5.16 AWARD OF DEGREES	B5: 16
B5.17 NEW COLLABORATIVE PROGRAMMES INTRODUCED	B5: 16
B5.18 COLLABORATIVE PROGRAMMES UNDER DISCUSSION	B5: 16
B5.19 NEW INITIATIVES	B5: 16

WORK-INTEGRATED LEARNING PROGRAMMES

B5.1 SENIOR OFFICERS OF THE WORK-INTEGRATED LEARNING PROGRAMMES

Prof. G Sundar, Director (Off-Campus Programmes & Industry Engagement)

Prof. S Gurunarayanan, Dean

Mr. K Venkatasubramanian, Associate Dean

Prof. G Venkiteswaran, Associate Dean

Prof. Raghunath Ratabole, Associate Dean

Prof. Srinivasa Prakash Regalla, Associate Dean

Prof. Anil Kumar, Associate Dean

B5.2 HISTORY

Since 1979, the Institute has been participating in the human resource development needs of the industries. The Institute has evolved several degree programmes by integrating the working environment of the employees with the learning environment required by the Institute. These programmes were first started as M.E. (Collaborative) programmes in 1979. Later, from 1988, the Institute ventured into Off-campus Work-Integrated Learning Programmes in Science and Technology areas. These programmes:

- (a) are targeted to meet the needs of continuing education of employed professionals;
- (b) are based on Science & Technology approach and operate disciplines that are non-conventional and Science & Technology oriented;
- (c) are designed for the purposeful acquisition of scientific methods, modern skills and involvement in open-ended experiments;
- (d) judiciously combine the flexibility and ingenuity of the off-campus system with all the regular features of the on-campus system; and
- (e) allow the employed professionals to pursue a meaningful and relevant university degree with minimum dislocation from their work environment.

B5.3 SALIENT FEATURES

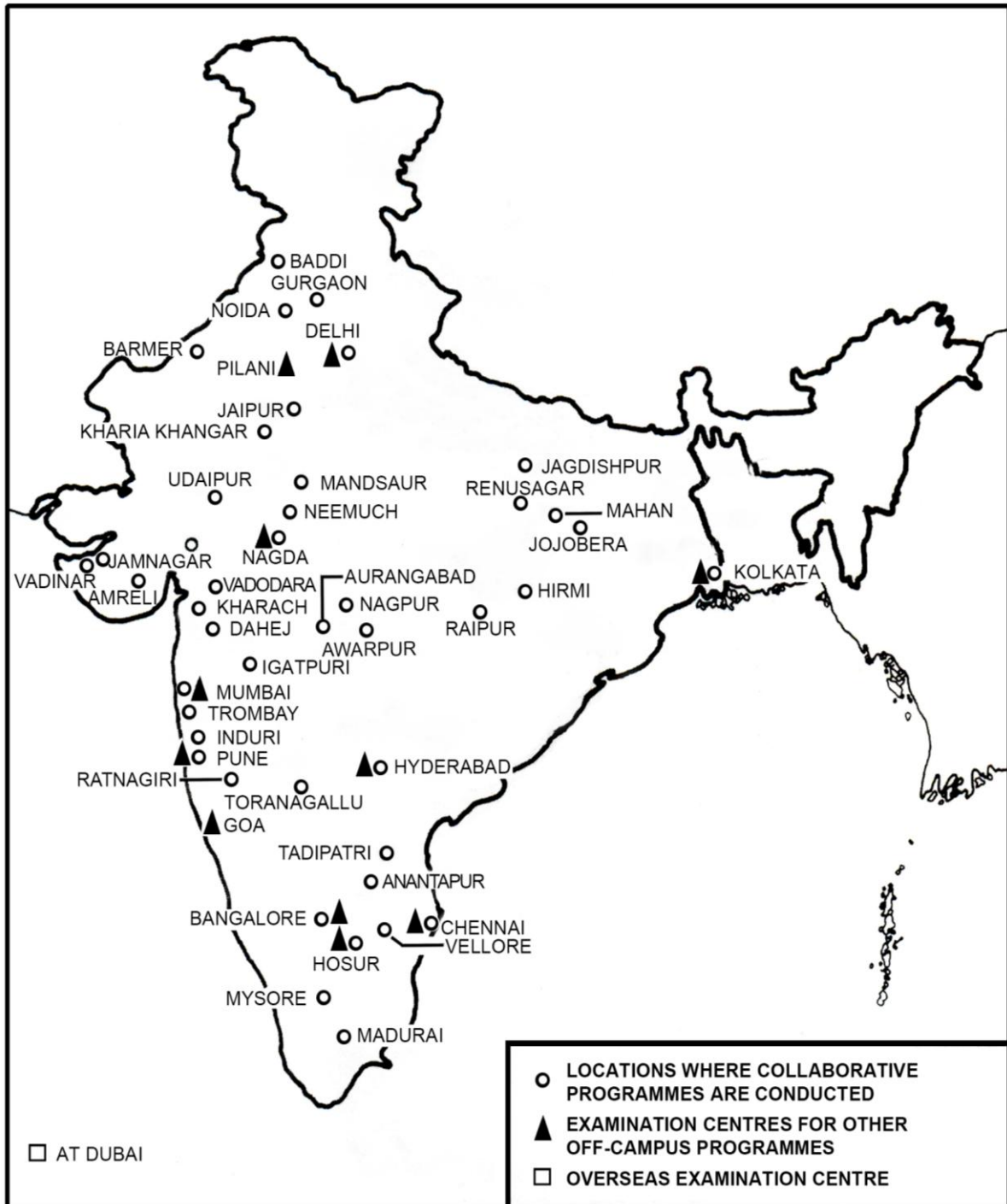
All programmes offered under the Work-Integrated Learning Programmes are characterized by a person - centered approach where the rigour and standard are maintained as in the institute's on-campus programmes. While a number of on-campus programmes are also available under off-campus, the Institute interacts with various organizations like industries, hospitals and national laboratories with a view to design and offer specialized programmes. Many organizations sponsor their employees for various programmes, in order to prepare their human resources to meet the challenges posed by the growth of industries and rapid advancement of technology in India and abroad.

B5.4 PROGRAMMES OFFERED

Programmes	Collaborating / Sponsoring Organization
B.S. Programmes	
1. Engineering Design	- Eaton Technologies, Pune; L&T IES, Vadodara
2. Engineering Technology	- Designed for the HRD needs of a diverse spectrum of Engineering Industries
3. Information Systems	- Designed for the HRD needs of a diverse spectrum of IT Industries, as well as Wipro Infotech, Mumbai, Wipro Technologies, Bangalore
4. Manufacturing Engineering	- Bharath Forge, Pune, TACO, Kirloskar, Pune; Vedanta, Jharsuguda, SKF, Pune
5. Marine Engineering	- Tolani Maritime Institute, Induri; RL Institute of Nautical Sciences, Madurai
6. Nautical Technology	- Tolani Maritime Institute, Induri; RL Institute of Nautical Sciences, Madurai
7. Optometry	- Sankara Nethralaya, Chennai; L V Prasad Eye Institute, Hyderabad; THONEH-NIOS, Malaysia
8. Physician Assistant	- Madras Medical Mission, Chennai; Frontier Lifeline, Chennai

Programmes	Collaborating / Sponsoring Organization
9. Power Engineering	- ABG, JSW Energy; Tata Power, Mumbai, Essar Power, Hazira
10. Process Engineering	- Aditya Birla Group (Cement Business); Hindalco, Renukoot; JSW, Toranagallu; IndoGulf, Jagdishpur, Hindalco, Dahej; DRL Hyderabad; Vedanta Aluminium, Jharsuguda
M.S. Programmes	
1. Automotive Engineering	- Tata Technologies, Pune
2. Consultancy Management	- Consultancy Development Centre, New Delhi
3. Design Engineering	- Eaton Technologies, Pune;
4. Embedded Systems	- Eaton Technologies, John Deere, Pune; L&T IES, Vadodara; iGate Patni, Mumbai
5. Engineering Management	- Technip, Chennai, Mahindra & Mahindra, Nagpur
6. Manufacturing Management	- Designed for the HRD needs of a diverse spectrum of Engineering Industries
7. Medical Laboratory Technology	- Sankara Nethralaya, Chennai
8. Microelectronics	- Wipro Technologies, Cypress, IBM, Qualcomm, Texas, Analog, Bangalore
9. Pharmaceutical Operations & Management	- Lupin, Mumbai;
10. Project Engineering & Management	- DCPL, Kolkata
11. Quality Management	- Indian Institute of Quality Management, Jaipur
12. Science Communication	National Council of Science Museums, Kolkata
13. Software Engineering	- Wipro Technologies, Wipro Infotech, Yahoo, SAP Labs, EMC, Bangalore; Cognizant, Chennai; Tech Mahindra, Pune and Hyderabad, Qualcomm, Hyderabad; Persistent Systems, Cybage, BMC Software, Pune; iGate Patni, Mumbai; Aricent, Virtusa, Chennai; TCS, Hyderabad
14. Software Systems	- Designed for the HRD requirements of a diverse spectrum of IT Industries
15. Systems Engineering	- Wipro Infotech, Wipro Technologies, Bangalore
16. Telecommunications & Software Engineering	- Tech Mahindra, Avaya, Pune
M.Tech.	
1. Automotive Engineering	- Tata Technologies, Pune
2. Manufacturing Management	- Designed for the HRD needs of a diverse spectrum of Engineering Industries, as well as Vedanta Aluminium, Jharsuguda and Lanjigarh
3. Pharmaceutical Operations & Management	- Cipla, Mumbai
4. Quality Management	- Indian Institute of Quality Management, Jaipur
5. Software Systems	- Designed for the HRD requirements of a diverse spectrum of IT Industries
M.B.A.	
Consultancy Management	Consultancy Development Centre, New Delhi
Manufacturing Management	Designed for the HRD needs of a diverse spectrum of Engineering Industries
Quality Management	Indian Institute of Quality Management, Jaipur
M.Phil.	
1. Hospital and Health Systems Management	- CMC Vellore; Bombay Hospital, Mumbai
2. Optometry	- Sankara Nethralaya, Chennai

**B5.5 MAP OF BITS WORK-INTEGRATED LEARNING & COLLABORATIVE PROGRAMMES
2014-2015**



B5.6 ADMISSIONS

The number of students admitted in each of the semester is given below.

	Integrated First Degree Programmes	Higher Degree Programmes	Total
Second Semester 2013-2014	373(007)	2538(872)	2911(879)
First Semester 2014-2015	948(133)	2324(505)	3272(638)

The programme-wise details are given in **Annexure 1 (Part B5)**.

B5.7 REGISTRATION OF STUDENTS

The registration processes for both the semesters was completed on the first day of each semester.

Semester	Number of students registered
Second Semester 2013-2014	22188
First Semester 2014-2015	22522

Details of Registration of students for the First Semester 2014-2015 are given in **Annexure 2 (Part B5)**.

B5.8 GEOGRAPHICAL DISTRIBUTION OF STUDENTS REGISTERED IN FIRST SEMESTER 2014-2015**(A) INDIA**

State	No. of students		
	Specific	Non Specific	Total
Andhra Pradesh	2616	553	3169
Assam		13	13
Bihar		10	10
Chandigarh		9	9
Chhattisgarh		9	9
Dadra & Nagar Haveli		1	1
Delhi	592	235	827
Goa		19	19
Gujarat	9	112	121
Haryana		204	204
Himachal Pradesh		6	6
Jammu & Kashmir		27	27
Karnataka	5174	1644	6818
Kerala	253	240	493
Madhya Pradesh		60	60
Maharashtra	3671	867	4538

State	No. of students		
	Specific	Non Specific	Total
Meghalaya		1	1
Mizoram		5	5
Nagaland		3	3
Orissa		43	43
Pondicherry		26	26
Punjab		52	52
Rajasthan		108	108
Tamil Nadu	2867	1558	4425
Telangana	95	88	183
Uttar Pradesh	8	263	271
Uttarakhand		29	29
West Bengal	430	90	520
Total	15715	6275	21990

(B) Foreign

Country	No. of students		
	Specific	Non Specific	Total
China		1	1
Georgia		1	1
KSA		8	8
Kuwait		18	18
Malaysia	105		105
Oman		30	30
Qatar		58	58
Singapore		38	38
UAE		254	254
UK		5	5
USA		14	14
Total	105	427	532
Grand Total	15820	6702	22522

B5.9 SPONSORING ORGANIZATIONS

During the year, 4428 organizations have sponsored their employees for Work Integrated Learning Programmes. List of the organizations are given in *Annexure 'B5-3'*.

B5.10 ACADEMIC CALENDAR

For the year 2014, Second Semester 2013-2014 started on 14-12-2013 and ended on 30-04-2014, while First Semester 2014-2015 started on 19-07-2014 and ended on 19-12-2014 for all programmes except the following:

Second Semester 2013-2014

Degree Programme	Organization	Semester Start and End Date
B.S. Engineering Design	Eaton, Pune	19-01-2014 to 14-06-2014
B.S. Information Systems	Wipro Infotech, Bangalore	08-03-2014 to 14-07-2014
B.S. Manufacturing Engineering	Bharat Forge, Pune	12-01-2014 to 08-06-2014
B.S. Manufacturing Engineering	TACO, Pune	18-01-2014 to 14-06-2014
B.S. Manufacturing Engineering	Kirloskar, Pune	01-02-2014 to 21-06-2014
B.S. Marine Engineering	RLINS, Madurai	10-02-2014 to 12-07-2014
B.S. Marine Engineering	TMI, Pune	10-02-2014 to 12-07-2014
B.S. Nautical Technology	RLINS, Madurai	10-02-2014 to 12-07-2014
B.S. Nautical Technology	TMI, Pune	10-02-2014 to 12-07-2014
B.S. Optometry	L.V.P.E.I., Hyderabad	01-01-2014 to 31-05-2014
B.S. Optometry	Sankara Netralaya, Chennai	06-01-2014 to 30-06-2014
B.S. Optometry	THONEH Malaysia	03-02-2014 to 20-06-2014
B.S. Physician Assistant	Frontier Lifeline, Chennai	06-01-2014 to 30-06-2014
B.S. Physician Assistant	ICVD, Chennai	02-01-2014 to 30-06-2014
B.S. Power Engineering	ABG, Mumbai	16-01-2014 to 15-06-2014
B.S. Power Engineering	JSW Energy, Barmer	20-01-2014 to 15-06-2014
B.S. Process Engineering	ABG, Mumbai	16-01-2014 to 15-06-2014
B.S. Process Engineering	DRL, Hyderabad	22-03-2014 to 10-08-2014
B.S. Process Engineering	Indogulf, Jagdishpur	16-01-2014 to 15-06-2014
B.S. Process Engineering	JSW Steel Ltd, Toranagallu	08-03-2014 to 14-07-2014
B.S. Process Engineering	Vedanta, Jhasurguda	22-01-2014 to 13-06-2014
M.PHIL. Optometry	Sankara Netralaya, Chennai	06-01-2014 to 30-06-2014
M.S. Automobile Engineering	Tata Technologies, Pune	23-01-2014 to 20-04-2014
M.S. Design Engineering	Eaton, Pune	19-01-2014 to 14-06-2014
M.S. Embedded Systems	Eaton, Pune	19-01-2014 to 14-06-2014
M.S. Embedded Systems	IGate, Mumbai	01-02-2014 to 14-06-2014
M.S. Embedded Systems	John Deere, Pune	11-01-2014 to 17-05-2014
M.S. Embedded Systems	L&T IES, Vadodara)	06-01-2014 to 15-06-2014
M.S. Engineering Management	Mahindra & Mahindra, Nagpur	06-01-2014 to 15-04-2014
M.S. Engineering Management	Technip, Chennai	27-01-2014 to 31-05-2014
M.S. Manufacturing Management	Vedanta, Jhasurguda	06-01-2014 to 15-04-2014
M.S. Medical Laboratory Technology	Sankara Netralaya, Chennai	12-12-2013 to 30-05-2014
M.S. Microelectronics	Qualcomm, Cypress & IBM	10-02-2014 to 12-07-2014
M.S. Microelectronics	Texas, Analog Bangalore	08-02-2014 to 26-07-2014
M.S. Microelectronics	Wipro Technologies, Bangalore	08-03-2014 to 14-07-2014
M.S. Pharmaceutical Operation & Management	Wockhardt, Aurangabad	18-01-2014 to 20-04-2014
M.S. Pharmaceutical Operation & Management	Lupin, Mumbai	16-12-2013 to 30-04-2014

Degree Programme	Organization	Semester Start and End Date
M.S. Project Engineering & Management	DCPL, Kolkata	04-01-2014 to 14-06-2014
M.S. Science Communication	NCSM, Kolkata	01-01-2014 to 31-05-2014
M.S. Software Engineering	Aricent Technologies, Chennai & Gurgaon	12-12-2013 to 30-05-2014
M.S. Software Engineering	BMC, Pune	11-01-2014 to 30-06-2014
M.S. Software Engineering	CTS, Chennai	03-02-2014 to 30-07-2014
M.S. Software Engineering	Cybage, Pune	11-01-2014 to 17-05-2014
M.S. Software Engineering	EMC, Bangalore	15-12-2013 to 17-05-2014
M.S. Software Engineering	EMC, Bangalore	16-03-2014 to 17-07-2014
M.S. Software Engineering	IGate, Mumbai	01-02-2014 to 14-06-2014
M.S. Software Engineering	Tech Mahindra, Hyderabad	18-01-2014 to 08-06-2014
M.S. Software Engineering	Persistent, Pune	11-01-2014 to 17-05-2014
M.S. Software Engineering	Qualcomm, Hyderabad	02-02-2014 to 29-06-2014
M.S. Software Engineering	SAP Labs, Bangalore	02-02-2014 to 14-06-2014
M.S. Software Engineering	TCS, Bangalore	23-01-2014 to 20-04-2014
M.S. Software Engineering	Tech Mahindra, Pune	18-01-2014 to 31-05-2014
M.S. Software Engineering	Virtusa, Chennai	18-01-2014 to 08-06-2014
M.S. Software Engineering	Wipro Technologies, Bangalore	08-03-2014 to 14-07-2014
M.S. Software Engineering	Yahoo, Bangalore	25-01-2014 to 09-06-2014
M.S. Systems Engineering	Wipro Infotech, Bangalore	08-03-2014 to 14-07-2014
M.S. Systems Engineering	Wipro Technologies, Bangalore	08-03-2014 to 14-07-2014
M.S. Telecommunications & Software Engineering	Avaya, Pune	05-12-2013 to 30-05-2014
M.S. Telecommunications & Software Engineering	Tech Mahindra, Pune	18-01-2014 to 31-05-2014

First Semester 2014-2015

Course Programme	Organization	Semester Start and End Date
B.S. Engineering Design	Eaton, Pune	27-07-2014 To 21-12-2014
B.S. Engineering Design	L&Ties, Vadodara	27-07-2014 To 21-12-2014
B.S. Information Systems	Wipro Infotech, Bangalore	25-08-2014 To 05-03-2015
B.S. Manufacturing Engineering	Bharat Forge, Pune	27-07-2014 To 21-12-2014
B.S. Manufacturing Engineering	TACO., Pune	26-07-2014 To 20-12-2014
B.S. Manufacturing Engineering	Kirloskar, Pune	26-07-2014 To 20-12-2014
B.S. Marine Engineering	RLINS, Madurai	01-08-2014 To 31-12-2014
B.S. Marine Engineering	TMI, Pune	11-08-2014 To 17-01-2015
B.S. Nautical Technology	RLINS, Madurai	01-08-2014 To 31-12-2014
B.S. Nautical Technology	TMI, Pune	11-08-2014 To 17-01-2015
B.S. Optometry	L.V.P.E.I., Hyderabad	07-07-2014 To 06-12-2014
B.S. Optometry	Sankara Netralaya, Chennai	14-07-2014 To 15-12-2014
B.S. Optometry	THONEH Malaysia	06-08-2014 To 29-11-2014
B.S. Physician Assistant	ICVD, Chennai	16-07-2014 To 20-12-2014
B.S. Power Engineering	ABG, Mumbai	01-08-2014 To 30-12-2014
B.S. Power Engineering	Essar Power, Hazira	01-08-2014 To 30-12-2014

Course Programme	Organization	Semester Start and End Date
B.S. Power Engineering	JSW Energy, Barmer	01-08-2014 To 30-12-2014
B.S. Power Engineering	Tata Power, Mumbai	01-08-2014 To 30-12-2014
B.S. Process Engineering	ABG, Mumbai	01-08-2014 To 30-12-2014
B.S. Process Engineering	DRL, Hyderabad	22-03-2014 To 10-08-2014
B.S. Process Engineering	Indogulf, Jagdishpur	01-08-2014 To 30-12-2014
B.S. Process Engineering	JSW Steel, Toranagallu	08-06-2014 To 05-03-2015
B.S. Process Engineering	JSW Steel, Toranagallu	08-06-2014 To 19-11-2014
B.S. Process Engineering	Vedanta, Jhasurguda	01-08-2014 To 30-12-2014
M.PHIL. Optometry	Sankara Netralaya, Chennai	14-07-2014 To 15-12-2014
M.S. Automobile Engineering	Tata Technologies, Pune	01-09-2014 To 30-01-2015
M.S. Design Engineering	Eaton, Pune	27-07-2014 To 21-12-2014
M.S. Design Engineering	L&Ties Vadodara	01-08-2014 To 30-12-2014
M.S. Design Engineering	SKF, Pune	27-07-2014 To 23-11-2014
M.S. Embedded Systems	Igate, Mumbai	26-07-2014 To 20-12-2014
M.S. Embedded Systems	L&Ties Vadodara	01-08-2014 To 30-12-2014
M.S. Engineering Management	Mahindra & Mahindra, Nagpur	01-08-2014 To 30-12-2014
M.S. Engineering Management	Technip, Chennai	07-07-2014 To 27-12-2014
M.S. Integrated Software Systems	ATOS, Pune	19-07-2014 To 19-12-2014
M.S. Integrated Software Systems	Tech Mahindra, Pune	02-08-2014 To 13-12-2014
M.S. Manufacturing Engineering	Vedanta, Jhasurguda	01-08-2014 To 30-12-2014
M.S. Microelectronics	Qualcomm, Cypress & IBM	23-08-2014 To 10-01-2015
M.S. Microelectronics	Texas, Analog Bangalore	23-08-2014 To 07-02-2015
M.S. Microelectronics	Wipro Technologies, Bangalore	02-08-2014 To 25-11-2014
M.S. Pharmaceutical Operation & Management	Wockhardt, Aurangabad	01-08-2014 To 30-12-2014
M.S. Pharmaceutical Operation & Management	Lupin, Mumbai	11-08-2014 To 13-12-2014
M.S. Project Engineering & Management	DCPL, Kolkata	21-07-2014 To 17-11-2014
M.S. Science Communication	NCSM, Kolkata	05-08-2014 To 17-11-2014
M.S. Software Engineering	Aricent Technologies, Chennai & Delhi	02-08-2014 To 10-01-2015
M.S. Software Engineering	BMC, Pune	20-07-2014 To 23-11-2014
M.S. Software Engineering	CTS, Chennai	26-07-2014 To 21-12-2014
M.S. Software Engineering	Cybage, Pune	12-07-2014 To 07-12-2014
M.S. Software Engineering	EMC, Bangalore	21-06-2014 To 06-12-2014
M.S. Software Engineering	EMC, Bangalore	03-08-2014 To 30-12-2014
M.S. Software Engineering	Igate, Mumbai	26-07-2014 To 20-12-2014
M.S. Software Engineering	Persistent, Pune	12-07-2014 To 06-12-2014
M.S. Software Engineering	Qualcomm, Hyderabad	03-08-2014 To 21-12-2014
M.S. Software Engineering	SAP Labs, Bangalore	09-08-2014 To 20-12-2014
M.S. Software Engineering	TCS, Hyderabad	30-08-2014 To 17-01-2015
M.S. Software Engineering	Tech Mahindra, Hyderabad	27-07-2014 To 14-12-2014
M.S. Software Engineering	Tech Mahindra, Pune	02-08-2014 To 13-12-2014
M.S. Software Engineering	Virtusa, Chennai	05-07-2014 To 21-12-2014
M.S. Software Engineering	Wipro Technolgies, Bangalore	25-08-2014 To 05-03-2015
M.S. Software Engineering	Wipro Technolgies, Bangalore	18-10-2014 To 01-03-2015

Course Programme	Organization	Semester Start and End Date
M.S. Software Engineering	Yahoo, Bangalore	05-07-2014 To 15-11-2014
M.S. Systems Engineering	Wipro Infotech, Bangalore	25-08-2014 To 21-11-2014
M.S. Telecommunications & Software Engineering	Avaya, Pune	20-07-2014 To 23-11-2014
M.S. Telecommunications & Software Engineering	Tech Mahindra, Pune	02-08-2014 To 13-12-2014
M.TECH. Manufacturing Engineering	Vedanta, Jharsuguda	01-08-2014 To 30-12-2014

B5.11 COURSES OFFERED

The number of courses, offered during the year 2014 is as follows:

	Number of Courses offered
Second Semester 2013-2014	704
First Semester 2014-2015	717

B5.12 NEW COURSES INTRODUCED

The new courses introduced during the year 2014 is as follows

S.No.	Course No.	Course Title
1.	BITS ZG628T	Dissertation
2.	CM ZG512	Consulting & People Skills
3.	CM ZG631	Strategic Change Management
4.	ED* ZC245	Fluid Mechanics and Machines
5.	ED* ZC453	Product Design and Development
6.	MBA ZC416	Managerial Economics
7.	MBA ZG511	Managing People & Organization
8.	MBA ZG526	Operations Management
9.	MBA ZG623T	Project
10.	ME* ZC323	Design of Machine Elements
11.	ME* ZC324	Mechatronics and Automation
12.	MM ZG533	Manufacturing Planning and Control
13.	MM ZG627	Managerial Corporate Finance
14.	PE* ZC221	Disinfection & Sterilization Processes
15.	PE* ZC316	Transport Phenomena – I
16.	PE* ZC317	Transport Phenomena – II
17.	PE* ZC452	Process Plant Safety & Environment
18.	PE* ZC453	Process Control & Instrumentation
19.	POW* ZC313	Power Generation
20.	POW* ZC314	Prime Movers & Fluid Machines
21.	QM ZG528	Reliability Engineering
22.	QM ZG531	Statistical Quality Control

B5.13 LIVE INTERACTIVE LECTURE SESSIONS

For the WILP courses offered during II Semester 2013-2014 and I Semester 2014-2015 for the B.S. Engineering Technology, B.S. Information Systems, B.S. Process Engineering, B.S. Power Engineering, M.S. Software Systems, M.S. Manufacturing Management, M.S. Embedded Systems degree programmes, live interactive online lecture sessions were delivered through Internet Based Desktop Video Conferencing systems using Cisco WebEx technology. The video lectures were also recorded and made available on-demand. The students and faculty could

also interact asynchronously and share learning resources through an online Learning Management System named Taxila, based on Moodle technology.

Second Semester 2013-2014

S.No.	Course No.	COURSE TITLE
1.	AAOC ZC111	PROBABILITY & STATISTICS
2.	AAOC ZC222	OPTIMIZATION
3.	AETT ZG524	VEHICLE DYNAMICS
4.	AETT ZG531	PRODUCT DESIGN
5.	AETT ZG532	COMPUTER AIDED ENGINEERING
6.	AETT ZG611	COMPUTATION FLUID DYNAMICS & HEAT TRANSFER
7.	BITS ZC461	SOFTWARE ENGINEERING
8.	BITS ZC471	MANAGEMENT INFORMATION SYSTEMS
9.	BITS ZC481	COMPUTER NETWORKS
10.	BITS ZG553	REAL TIME SYSTEMS
11.	BITS ZG659	TECHNICAL COMMUNICATION
12.	CS ZG525	ADVANCED COMPUTER NETWORKS
13.	CS ZG623	ADVANCED OPERATING SYSTEMS
14.	DELT ZG512	FINITE ELEMENT ANALYSIS
15.	DELT ZG535	ADVANCED ENGINEERING MATHEMATICS
16.	DELT ZG541	PRODUCT DESIGN
17.	DELT ZG631	MATERIALS TECHNOLOGY & TESTING
18.	EA ZC473	MULTIMEDIA COMPUTING
19.	EEE ZG512	EMBEDDED SYSTEM DESIGN
20.	EMMM ZC411	MARKETING
21.	EMMM ZG531	MECHATRONICS
22.	EMMM ZG532	QUALITY ASSURANCE & RELIABILITY
23.	EMMM ZG611	STRATEGIC MANAGEMENT & BUSINESS POLICY
24.	ENGG ZC111	ELECTRICAL & ELECTRONICS TECHNOLOGY
25.	ENGG ZC232	ENGINEERING MATERIALS
26.	ENGG ZC241	MECHANICAL TECHNOLOGY
27.	ENGG ZC242	MAINTENANCE AND SAFETY
28.	ES ZC261	DIGITAL ELECTRONICS & MICROPROCESSORS
29.	ESLT ZG512	EMBEDDED SYSTEM DESIGN
30.	ESLT ZG523	PROJECT MANAGEMENT
31.	ESLT ZG553	REAL TIME SYSTEMS
32.	ESLT ZG573	DIGITAL SIGNAL PROCESSING
33.	ET ZC341	INSTRUMENTATION & CONTROL
34.	ET ZC342	MATERIALS MANAGEMENT
35.	ET ZC362	ENVIRONMENTAL POLLUTION CONTROL
36.	ET ZC412	PRODUCTION PLANNING & CONTROL
37.	ET ZC414	PROJECT APPRAISAL
38.	ET ZC432	QUALITY CONTROL ASSURANCE & RELIABILITY
39.	IS ZC313	OBJECT ORIENTED PROG & DESIGN
40.	IS ZC323	SYSTEM PROGRAMMING
41.	IS ZC332	DATABASE SYSTEMS & APPLICATIONS
42.	IS ZC342	STRUCTURE OF PROGRAMMING LANGUAGES
43.	IS ZC353	COMPUTER ORGANIZATION & ARCHITECTURE
44.	IS ZC362	OPERATING SYSTEMS
45.	IS ZC363	DATA STRUCTURES & ALGORITHMS
46.	IS ZC415	DATA MINING
47.	IS ZC424	SOFTWARE FOR EMBEDDED SYSTEMS

S.No.	Course No.	COURSE TITLE
48.	IS ZC462	NETWORK PROGRAMMING
49.	MATH ZC161	ENGINEERING MATHEMATICS – I
50.	MATH ZC222	DISCRETE STRUCTURES FOR COMP SCIENCE
51.	MATH ZC232	ENGINEERING MATHEMATICS – II
52.	MATH ZC233	CALCULUS
53.	MATH ZC234	LINEAR ALGEBRA & OPTIMIZATION
54.	MGTS ZC211	PRINCIPLES OF MANAGEMENT
55.	MM ZC411	MARKETING
56.	MM ZC441	HUMAN RESOURCE MANAGEMENT
57.	MM ZG511	MANUFACTURING ORGAN & MANAGEMENT
58.	MM ZG513	MAINTENANCE ENGINEERING
59.	MM ZG514	LEADERSHIP & MANAGING CHANGE
60.	MM ZG521	FINANCIAL MANAGEMENT
61.	MM ZG522	TOTAL QUALITY MANAGEMENT
62.	MM ZG523	PROJECT MANAGEMENT
63.	MM ZG534	SUSTAINABLE MANUFACTURING
64.	MM ZG538	TOYOTA PRODUCTION SYSTEM
65.	MM ZG541	PRODUCT DESIGN
66.	MM ZG611	STRATEGIC MGT & BUSINESS POLICY
67.	MM ZG621	SUPPLY CHAIN MANAGEMENT
68.	MMVA ZC411	MARKETING
69.	MMVA ZC441	HUMAN RESOURCE MANAGEMENT
70.	MMVA ZG511	MANUFACTURING ORG & MGMT
71.	MMVA ZG611	STRATEGIC MANAGEMENT & BUSINESS POLICY
72.	PEAB ZC311	CHEMICAL ENGINEERING THERMODYNAMICS
73.	PEAB ZC321	CHEMICAL PROCESS CALCULATIONS
74.	PEAB ZC341	HEAT TRANSFER
75.	PEAB ZC351	MASS TRANSFER
76.	PERL ZC164	COMPUTER PROGRAMMING (MATLAB)
77.	PERL ZC221	DISINFECTION & STERILIZATION PROCESSES
78.	PERL ZC235	LINEAR ALGEBRA & OPTIMIZATION
79.	PERL ZC321	CHEMICAL PROCESS CALCULATIONS
80.	PEVA ZC164	COMPUTER PROGRAMMING
81.	PEVA ZC234	MANUFACTURING PROCESSES
82.	PEVA ZC235	LINEAR ALGEBRA & OPTIMIZATION
83.	PEVA ZC311	CHEMICAL ENGINEERING THERMODYNAMICS
84.	POMWH ZG515	PHARMACEUTICAL ADMIN & MGMT
85.	POMWH ZG521	STATISTICAL PROCESS CONTROL
86.	POMWH ZG532	SUPPLY CHAIN MANAGEMENT
87.	POMWH ZG534	ADVANCED PHARMACEUTICAL TECHNOLOGY
88.	POWAB ZC112	ELECTRICAL & ELECTRONICS TECHNOLOGY
89.	POWAB ZC164	COMPUTER PROGRAMMING
90.	POWAB ZC231	THERMODYNAMICS
91.	POWAB ZC233	CALCULUS
92.	POWAB ZC311	PRIME MOVERS & FLUID MACHINES
93.	POWAB ZC321	TECHNICAL REPORT WRITING
94.	POWAB ZC322	POWER GENERATION
95.	POWAB ZC331	INSTRUMENTATION & CONTROL
96.	POWJS ZC312	QUALITY CONTROL ASSURANCE & RELIABILITY
97.	POWJS ZC332	ENERGY MANGEMENT
98.	POWJS ZC342	POWER SYSTEM ENGINEERING – I

S.No.	Course No.	COURSE TITLE
99.	POWJS ZC481	PLANT LAYOUT AND DESIGN
100.	QMJ ZG658	TECHNICAL COMMUNICATION
101.	SS ZG513	NETWORK SECURITY
102.	SS ZG514	OBJECT ORIENTED ANALYSIS & DESIGN
103.	SS ZG515	DATA WAREHOUSING
104.	SS ZG516	COMPUTER ORGANIZATION & SOFT SYSTEMS
105.	SS ZG518	DATABASE DESIGN & APPLICATIONS
106.	SS ZG519	DATA STRUCTURES & ALGORITHMS DESIGN
107.	SS ZG527	CLOUD COMPUTING
108.	SS ZG531	PERVASIVE COMPUTING
109.	SS ZG552	SOFTWARE TESTING METHODOLOGIES
110.	SS ZG562	SOFTWARE ENGINEERING & MANAGEMENT
111.	SS ZG622	SOFTWARE PROJECT MANAGEMENT
112.	SS ZG653	SOFTWARE ARCHITECTURES
113.	TA ZC163	COMPUTER PROGRAMMING [C PROG]
114.	TA ZC164	COMPUTER PROGRAMMING (MATLAB)
115.	TA ZC232	ENGINEERING MEASUREMENTS
116.	TA ZC312	TECHNICAL REPORT WRITING

First Semester 2014-2015

S.No.	Course No.	COURSE TITLE
1.	AAOC ZC111	PROBABILITY & STATISTICS
2.	AAOC ZC222	OPTIMIZATION
3.	BITS ZC461	SOFTWARE ENGINEERING
4.	BITS ZC471 / CMZC471 / HHSM ZC471	MANAGEMENT INFORMATION SYSTEMS
5.	BITS ZC481	COMPUTER NETWORKS
6.	BITS ZG553	REAL TIME SYSTEMS
7.	BITS ZG659	TECHNICAL COMMUNICATION
8.	CS ZG525	ADVANCED COMPUTER NETWORKS
9.	CS ZG623	ADVANCED OPERATING SYSTEMS
10.	EA ZC473	MULTIMEDIA COMPUTING
11.	EEE ZG512	EMBEDDED SYSTEM DESIGN
12.	ENGG ZC111	ELECTRICAL & ELECTRONICS TECHNOLOGY
13.	ENGG ZC232	ENGINEERING MATERIALS
14.	ENGG ZC241	MECHANICAL TECHNOLOGY
15.	ENGG ZC242	MAINTENANCE AND SAFETY
16.	ES ZC261	DIGITAL ELECTRONICS & MICROPROCESSORS
17.	ET ZC234	MANUFACTURING PROCESSES
18.	ET ZC341	INSTRUMENTATION & CONTROL
19.	ET ZC342	MATERIALS MANAGEMENT
20.	ET ZC362	ENVIRONMENTAL POLLUTION CONTROL
21.	ET ZC412	PRODUCTION PLANNING & CONTROL
22.	ET ZC413	ENGINEERING DESIGN
23.	ET ZC414	PROJECT APPRAISAL
24.	ET ZC432	QUALITY CONTROL ASSURANCE & RELIABILITY
25.	HHSM ZC417	MANAGERIAL COMMUNICATION
26.	IS ZC313	OBJECT ORIENTED PROG & DESIGN
27.	IS ZC323	SYSTEMS PROGRAMMING
28.	IS ZC332	DATABASE SYSTEMS & APPLICATIONS
29.	IS ZC342	STRUCTURE OF PROGRAMMING LANGUAGES

S.No.	Course No.	COURSE TITLE
30.	IS ZC353	COMPUTER ORGANIZATION & ARCHITECTURE
31.	IS ZC362	OPERATING SYSTEMS
32.	IS ZC363	DATA STRUCTURES & ALGORITHMS
33.	IS ZC415	DATA MINING
34.	IS ZC424 / ESLT ZC424	SOFTWARE FOR EMBEDDED SYSTEMS
35.	IS ZC462	NETWORK PROGRAMMING
36.	MATH ZC222	DISCRETE STRUCTURES FOR COMP SCIENCE
37.	MATH ZC232	ENGINEERING MATHEMATICS – II
38.	MATH ZC233	CALCULUS
39.	MATH ZC234	LINEAR ALGEBRA & OPTIMIZATION
40.	MBA ZC415	FINANCIAL & MANAGEMENT ACCOUNTING
41.	MBA ZC416	MANAGERIAL ECONOMICS
42.	MBA ZC417 / MM ZG515 / QM ZG515 / MMVA ZG515	QUANTITATIVE METHODS
43.	MBA ZG511	MANAGING PEOPLE & ORGANIZATIONS
44.	QM ZG526	OPERATIONS MANAGEMENT
45.	MM ZG533 / MMVA ZG533	MANUFACTURING PLANNING & CONTROL
46.	MM ZC411 / QMJ ZC411	MARKETING
47.	MM ZC441	HUMAN RESOURCE MANAGEMENT
48.	MM ZG513	MAINTENANCE ENGINEERING
49.	MM ZG514 / MMVA ZG514	LEADERSHIP & MANAGING CHANGE
50.	MM ZG521	FINANCIAL MANAGEMENT
51.	MM ZG522/ CM ZG532 / HHSM ZG518 / QM ZG532 /MMVA ZG522	TOTAL QUALITY MANAGEMENT
52.	MM ZG523 / CM ZG523 / HHSM ZG519 / QMJ ZG523 / MMVA ZG523	PROJECT MANAGEMENT
53.	MM ZG534 / MMVA ZG534	SUSTAINABLE MANUFACTURING
54.	MM ZG538	TOYOTA PRODUCTION SYSTEM
55.	MM ZG541 / MMVA ZG541	PRODUCT DESIGN
56.	MM ZG611 / CM ZG611 / QMJ ZG611	STRATEGIC MGT & BUSINESS POLICY
57.	MM ZG621 / QMJ ZG621 / MMVA ZG621	SUPPLY CHAIN MANAGEMENT
58.	QM ZG528	RELIABILITY ENGINEERING
59.	SS ZG513	NETWORK SECURITY
60.	SS ZG514	OBJECT ORIENTED ANALYSIS & DESIGN
61.	SS ZG515	DATA WAREHOUSING
62.	SS ZG516	COMPUTER ORGANIZATION & SOFT SYSTEMS
63.	SS ZG518	DATABASE DESIGN & APPLICATIONS
64.	SS ZG519	DATA STRUCTURES & ALGORITHMS DESIGN
65.	SS ZG526	DISTRIBUTED COMPUTING
66.	SS ZG527	CLOUD COMPUTING
67.	SS ZG531	PERVASIVE COMPUTING
68.	SS ZG552	SOFTWARE TESTING METHODOLOGIES
69.	SS ZG562	SOFTWARE ENGINEERING & MANAGEMENT
70.	SS ZG622	SOFTWARE PROJECT MANAGEMENT
71.	SS ZG653	SOFTWARE ARCHITECTURES
72.	TA ZC163	COMPUTER PROGRAMMING (C)
73.	TA ZC164	COMPUTER PROGRAMMING (MATLAB)

S.No.	Course No.	COURSE TITLE
74.	TA ZC232	ENGINEERING MEASUREMENTS
75.	AETT ZG612	ADV IN MATERIALS, COMPOSITES & PLASTICS
76.	AETT ZG621	DURABILITY, CRASH AND SAFETY ENGG
77.	AETT ZG622	ADVANCED MANUFACTURING PROCESSES
78.	AETT ZG633	ADV IN VECHILE BODY STRUCTURES
79.	AETT ZG511	MECHATRONICS
80.	AETT ZG514	ADVANCED AUTOMOTIVE SYSTEMS
81.	AETT ZG516	ADVANCES IN IC ENGINES
82.	AETT ZG531	PRODUCT DESIGN
83.	DELT ZG511	MECHATRONICS
84.	DELT ZG532	MACHINE TOOL ENGINEERING
85.	DELT ZG561	MECHANISMS & ROBOTICS
86.	DELT ZG641	THEORY OF ELAST AND PLASTICITY
87.	EDLT ZC211	ELECTRICAL & ELECTRONICS TECHNOLOGY
88.	EDLT ZC232	ENGINEERING MATERIALS
89.	EDLT ZC233	CALCULUS
90.	EDLT ZC251	ENGINEERING MEASUREMENTS
91.	ESLT ZG611	ADVANCED CONTROL SYSTEMS
92.	ESLT ZG641	HARDWARE SOFTWARE CO-DESIGN
93.	ESLT ZC424	SOFTWARE FOR EMBEDDED SYSTEMS
94.	ESLT ZG511	MECHATRONICS
95.	MMVA ZG514	LEADERSHIP & MANAGING CHANGE
96.	MMVA ZG515	QUANTITATIVE METHODS
97.	MMVA ZG522	TOTAL QUALITY MANAGEMENT
98.	MMVA ZG523	PROJECT MANAGEMENT
99.	MMVA ZG533	MANUFACTURING PROCESS & CONTROL
100.	MMVA ZG534	SUSTAINABLE MANUFACTURING
101.	MMVA ZG541	PRODUCT DESIGN
102.	MMVA ZG621	SUPPLY CHAIN MANAGEMENT
103.	PEAB ZC322	KINETICS & REACTOR DESIGN
104.	PEAB ZC352	ENERGY MANAGEMENT
105.	PEAB ZC412	PROCESS EQUIPMENT DESIGN
106.	PEAB ZC441	PROCESS CONTROL & INSTRU
107.	PEAB ZC112	ELECTRICAL & ELECTRONICS TECHNOLOGY
108.	PEAB ZC213	ENGINEERING MEASUREMENTS
109.	PEAB ZC231	ENGINEERING MATERIALS
110.	PEAB ZC233	CALCULUS
111.	PERL ZC113	PROBABILITY & STATISTICS
112.	PERL ZC214	PHARMACEUTICAL ANALYSIS
113.	PERL ZC311	CHEMICAL ENGG THERMODYNAMICS
114.	PERL ZC316	TRANSPORT PHENOMENA-I
115.	PEVA ZC314	POWER PLANT ENGINEERING
116.	PEVA ZC316	TRANSPORT PHEHOMENA-I
117.	PEVA ZC321	CHEMICAL PROCESS CALCULATIONS
118.	PEVA ZC353	INDUSTRIAL ENGINEERING
119.	PEVA ZC112	ELECTRICAL & ELECTRONICS TECHNOLOGY
120.	PEVA ZC213	ENGINEERING MEASUREMENTS
121.	PEVA ZC231	ENGINEERING MATERIALS
122.	PEVA ZC233	CALCULUS
123.	PHCL ZG511	ADVANCED PHYSICAL PHARMACEUTICS
124.	PHCL ZG513	APPLICATION OF STATISTICS AND COMPUTERS IN PHARMACY

S.No.	Course No.	COURSE TITLE
125.	PHCL ZG514	QUALITY ASSURANCE & REGULATORY AFFAIRS
126.	PHCL ZG522	BIOPHARMACEUTICS
127.	POW* ZC234	LINEAR ALGEBRA & OPTIMIZATION
128.	POW* ZC242	ENGINEERING MEASUREMENTS
129.	POW* ZC313	POWER GENERATION
130.	POW* ZC343	MICROPROCESSORS & MICROCONTROLLERS
131.	POWAB ZC231	THERMODYNAMICS
132.	POWAB ZC112	ELECTRICAL & ELECTRONICS TECHNOLOGY
133.	POWAB ZC164	COMPUTER PROGRAMMING
134.	POWAB ZC233	CALCULUS
135.	POWAB ZC312	QUALITY CONTROL ASSUR & RELIAB
136.	POWAB ZC332	ENERGY MANAGEMENT
137.	POWAB ZC342	POWER SYSTEM ENGINEERING - I
138.	POWAB ZC481	PLANT LAYOUT & DESIGN
139.	POWES ZC231	THERMODYNAMICS
140.	POWES ZC112	ELECTRICAL & ELECTRONICS TECHNOLOGY
141.	POWES ZC164	COMPUTER PROGRAMMING
142.	POWES ZC233	CALCULUS
143.	POWJS ZC411	ENVIRONMENTAL POLLUTION CONT
144.	POWJS ZC421	ESSENTIALS OF PROJECT MANAGEMENT
145.	POWJS ZC431	MAINTENANCE & SAFETY
146.	POWJS ZC441	POWER SYSTEM ENGINEERING-II

B5.14 PROJECT WORK AND DISSERTATION

Students of B.S. programmes do a full-semester Project Work in their final semester, while students of higher degree programmes like M.S. and M.Phil. submit a Dissertation based on a research and development effort. **Annexure 4** and **Annexure 5** list the titles of some of the Projects and Dissertations submitted by the students of WILP during the year 2014.

B5.15 ACADEMIC AND PROFESSIONAL COUNSELLING

During the year, the Academic Monitoring Board (AMB), estimated the extent to which students under its purview fell short of the minimum academic performance, drew up a time-frame within which afflictions were to be removed, determined the package of courses for their registration in each semester and laid down the necessary stipulations for achieving intermediate targets. It further monitored their progress and applied necessary mid-course corrections, wherever required. The statistical summary of the number of students under its purview during the year is given below:

		II Semester 2013-2014	I Semester 2014-2015
1.	Registered and under the under the purview of AMB at the beginning of the semester	777	1440
2.	Declared outside the purview of AMB at the end of the semester	208	275
3.	Discontinued during the semester	1	7
4.	Continue to be under the purview of AMB	568	858
5.	New cases referred to AMB at the end of the Semester	871	665
6.	Under the purview of AMB at the beginning of the next semester	2749	3193
7.	Registered and under the purview of AMB at the beginning of the next semester	1440	1523

B5.16 AWARD OF DEGREES

During the year, a total of 4767 students graduated. The details on the award of degrees are given below.

	Number of degrees awarded
74 th Award (vide Board of Governors meeting held on 29.03.2014)	2444(596)
75 th Award (vide Board of Governors meeting held on 16.07.2014)	2323(454)
Total:	4767(1050)

Statistical details of these degrees are given in **Annexure 6 (Part B5)**.

B5.17 NEW COLLABORATIVE PROGRAMMES INTRODUCED

The following new corporate partnership programmes were introduced during the year 2014

1. M.Tech. Pharmaceutical Operations and Management (Cipla Ltd., Mumbai)
2. M.Tech. Software Systems (TCS, Hyderabad)

B5.18 COLLABORATIVE PROGRAMMES UNDER DISCUSSION

The new collaborative programmes under discussion are indicated below:

1. M.Tech. Embedded Systems (UTC Aerospace Systems, Bangalore)
2. M.Tech. Software Systems (Accenture, Bangalore)
3. B.Tech. Manufacturing Technology (Kirloskar, Pune)

B5.19 New Initiatives

WILP Transformation

As an outcome of the strategy building exercise that we undertook with McKinsey & Company, a Strategic Framework was developed for WILP Transformation.

As a part of the Strategic Framework, four work streams were identified which are Programme & Content Design, Content Development, Faculty, and Cluster Delivery. Teams of faculty members were formed under each work stream that in turn developed detailed objectives, outcomes and activities with timelines. A Project Management Office was setup to coordinate and monitor the progress of various initiatives under each work stream.

Also, as one of the outcomes of the strategy building exercise was the recognition that the WILP organization required strengthening and supplementing in order to help it deliver the kind of sustained growth that is required of it, several business and administrative functions including business development, sales and marketing, commercial, human resource management, IT infrastructure management, industry interaction, and instruction design were created as part of the organization structure. Professionals have been recruited for some of these functions and the remaining positions will be filled in the following year.

WILP Digital Content Development

The content development work stream drives two key initiatives, one on content development and the other on technology enablement for enhancing teaching and learning in WILP course offerings. Under the content development initiative, the WILP Division works with faculty members for developing high quality recorded content for various courses, while the technology enablement initiative focusses on creation of a Digital Asset Management System (in collaboration with LearningMate) as well as consolidating its existing systems and applications into a single integrated portal (in collaboration with Knowledge Ashram Pvt Ltd.).

WILP Digital Recording Studio at Hyderabad Campus

As part of the ongoing content development project for WILP courses, a state of the art digital recording studio has been set up at Hyderabad campus, similar to the studios set up at Pilani campus and K.K. Birla Goa campus earlier. The studio annexe has eight acoustically-isolated webcast classrooms for delivery of live lectures through Cisco Webex.

WILP Operations Management System

A new application platform called Operations Management System (OMS) was introduced to streamline and improve the operational processes, and facilitate smooth communication between students, faculty members, coordinators, officers and other staff members of WILP. The OMS helps the stakeholders to raise, keep track of, remind, escalate, and view the status of various issues needing resolution by the faculty, coordinators and staff members concerned.

LIST OF ANNEXURES

Annexure No.	Description	Page No.
B5-1	DETAILS OF ADMISSIONS MADE DURING THE YEAR 2014	B5: A-1-2
B5-2	NUMBER OF STUDENTS REGISTERED IN FIRST SEMESTER 2014-2015	B5: A-3-4
B5-3	LIST OF ORGANIZATIONS WHO HAVE SPONSORED THEIR EMPLOYEES FOR WORK INTEGRATED LEARNING PROGRAMMES OF BITS	B5: A-5-74
B5-4	LIST OF PROJECT WORK SUBMITTED BY STUDENTS UNDER THE WORK INTEGRATED LEARNING PROGRAMMES IN THE YEAR 2014	B5: A-75-86
B5-5	LIST OF DISSERTATION SUBMITTED BY STUDENTS UNDER THE WORK INTEGRATED LEARNING PROGRAMMES IN THE YEAR 2014	B5: A-87-132
B5-6	STATEMENT OF DEGREES AWARDED	B5: A-133
B5-7	A SCHEMATIC DEPICTING PERSON-CENTRED APPROACH TO A STUDENT'S PROGRAMME OF STUDY IN THE NONFORMAL SYSTEM AS VIEWED FROM THE STUDENT'S STAND-POINT	B5: A-134

DETAILS OF ADMISSIONS MADE DURING THE YEAR 2014

(A) Second Semester 2013-2014

PROGRAMMES	No. of students joined
1. Integrated First Degree Programmes:	
B.S.	
Engineering Technology	179(06)
Information Systems	18(00)
Manufacturing Engineering	29(01)
Power Engineering	97(00)
Process Engineering	50(00)
	373(007)
2. Higher Degree Programme:	
M.S.	
Design Engineering	108(008)
Embedded Systems	14(001)
Integrated Software Systems	174(072)
Manufacturing Management	206(017)
Microelectronics	31(008)
Software Engineering	1252(560)
Software Systems	641(172)
Systems Engineering	71(016)
Telecommunications and Software Engineering	41(018)
	2538(872)
Total	2911(879)

(B) First Semester 2014-2015

PROGRAMMES	No. of students joined
1. Integrated First Degree Programmes:	
B.S.	
Engineering Design	24(03)
Engineering Technology	284(11)
Manufacturing Engineering	78(01)
Marine Engineering	259(03)
Nautical Technology	80(02)
Optometry	99(75)
Physician Assistant	37(37)
Power Engineering	51(00)
Process Engineering	35(01)
	947(133)

2. Higher Degree Programmes:

M.S.

Consciousness Studies	1(00)	
Pharmaceutical Operation & Management	56(005)	
Science Communication	11(003)	
Software Engineering	182(076)	
Software Systems	1077(302)	
Telecommunications & Software Engineering	50(011)	1377(397)

M.Tech.

Automotive Engineering	34(02)	
Manufacturing Management	355(27)	
Pharmaceutical Operation & Management	48(03)	
Quality Management	182(21)	
Software Systems	43(06)	662(059)

M.B.A.

Consultancy Management	91(08)	
Manufacturing Management	87(11)	
Quality Management	65(14)	243(033)

M.Phil.

Hospital and Health Systems Management	32(10)	
Optometry	11(06)	43(007)

Total		3272(638)
-------	--	------------------

SUMMARY

	II Semester 2013-14	I Semester 2014-15	Total
Integrated First Degree Programmes	373(007)	948(133)	1321(0140)
Higher Degree Programmes	2538(872)	2324(505)	4862(1377)
Total	2911(879)	3272(638)	6183(1517)

NUMBER OF STUDENTS REGISTERED IN FIRST SEMESTER 2014-2015

Programme	Year of Admission						Total
	2009 and earlier	2010	2011	2012	2013	2014	
A. Integrated First Degree Programmes							
B.S.							
Engineering Design	-	-	-	22(5)	-	24(3)	46(8)
Engineering Technology	103(03)	37(01)	192(12)	349(06)	394(09)	284(11)	1359(42)
Information Systems	12(03)	5(00)	102(42)	167(62)	37(00)	0(0)	323(107)
Manufacturing Engineering	-	-	-	122(01)	108(03)	78(01)	308(05)
Marine Engineering	23(01)	33(00)	277(02)	234(01)	241(01)	259(22)	1067(27)
Nautical Technology	6(01)	13(00)	72(01)	77(01)	72(00)	80(02)	320(05)
Optometry	1(01)	2(01)	90(72)	83(61)	102(88)	99(75)	377(298)
Physician Assistant	-	-	27(20)	8(08)	23(20)	37(37)	95(85)
Power Engineering	-	-	-	77(00)	89(00)	51(00)	217(00)
Process Engineering	-	-	-	144(02)	126(03)	35(01)	305(06)
Sub. Total	145(09)	90(02)	760(149)	1283(147)	1192(124)	947(152)	4417(583)
B. Higher Degree Programmes							
MBA							
Consultancy Management	-	-	-	-	-	91(9)	91(9)
Manufacturing Management	-	-	-	7(00)	11(01)	87(11)	105(12)
Quality Management	-	-	-	-	2(00)	65(14)	67(14)
M.S.							
Automotive Engineering	-	-	-	-	31(01)	-	31(01)
Consultancy Management	2(01)	1(00)	3(01)	14(05)	104(17)	-	124(24)
Design Engineering	-	-	-	41(10)	103(08)	-	144(18)
Embedded Systems	-	-	2(00)	35(10)	14(01)	-	51(11)
Engineering Management	-	-	-	40(00)	20(06)	-	60(06)
Integrated Software Systems	-	-	-	-	152(69)	51(24)	203(93)
Manufacturing Management	2(00)	1(00)	3(01)	40(33)	174(16)	-	220(50)
Microelectronics	-	-	-	81(26)	64(13)	-	145(39)
Pharmaceutical Operations and Management	-	-	-	30(02)	-	56(05)	86(07)

Programme	Year of Admission						Total
	2009 and earlier	2010	2011	2012	2013	2014	
Project Engineering & Management	-	-	-	18(02)	-	-	18(02)
Quality Management	1(01)	-	2(01)	10(07)	147(28)	-	160(37)
Science Communication	-	-	-	16(05)	-	-	16(05)
Software Engineering	9(09)	2047(1109)	3350(1828)	4579(2663)	1559(767)	182(76)	11726(6452)
Software Systems	14(09)	11(06)	6(02)	78(54)	153(48)	246(69)	508(188)
Systems Engineering	-	82(27)	-	37(13)	68(16)	-	187(56)
Telecommunications & Software Engineering	-	-	1(01)	64(23)	74(34)	50(11)	189(69)
M.Phil.							
Hospital & Health Systems Management	-	1(01)	2(01)	7(03)	41(19)	32(10)	83(34)
Optometry	-	-	-	-	7(05)	11(06)	18(11)
M.Tech.							
Automotive Engineering	-	-	-	-	-	34(02)	34(02)
Pharmaceutical Operations and Management	-	-	-	-	-	48(00)	48(00)
Integrated Software Systems	-	-	-	-	7(01)	12(02)	19(03)
Manufacturing Management	4(00)	3(02)	8(05)	133(19)	385(25)	355(27)	888(78)
Quality Management	-	-	-	1(00)	12(03)	182(21)	195(24)
Software Systems	39(09)	26(06)	54(04)	470(17)	1253(367)	847(227)	2689(630)
Sub. Total	71(29)	2172(1151)	3431(1844)	5701(2892)	4381(1445)	2349(514)	18105(7875)
Total Off-campus							22522(8458)

Note: The numbers in brackets indicate number of female students.

**LIST OF ORGANIZATIONS WHO HAVE SPONSORED THEIR EMPLOYEES FOR WORK
INTEGRATED LEARNING PROGRAMMES OF BITS**

1.	[24]7 INC.	BANGALORE
2.	1HELLO.COM	PONDICHERRY
3.	300 PLUS CONSULTANT	NEW DELHI
4.	3DPLM SOFTWARE SOLUTIONS LTD.	PUNE
5.	3DPLM SOFTWARE SOLUTIONS LTD.	SOLPAUR
6.	3I TECHNOLOGY SOLUTIONS PVT. LTD.	BANGALORE
7.	3I-CORPORATION	NAGPUR
8.	3M ELECTRO & COMMUNICATION (I) PVT. LTD.	HOSUR
9.	3M INDIA LTD.	CHENNAI
10.	3M SINGAPORE PVT. LTD.	SINGAPORE
11.	3PILLAR GLOBAL	BHIWANI
12.	3PILLAR GLOBAL	NEW DELHI
13.	4I APPS SOLUTIONS	CHENNAI
14.	A CLP INDIA LTD.	JHAJJAR
15.	A. O. SMITH INDIA WATER HEATING PVT. LTD.	PUDUKKOTTAI
16.	A.T. INDIA AUTO PARTS PVT. LTD.	BANGALORE
17.	A2 INFOSYSTEM PVT. LTD.	BAREILLY
18.	A2Z FILTRATION SPECIALITIES PVT. LTD.	NEW DELHI
19.	AARVEE ASSOCIATES ARCHITECTS ENGINEERS	HYDERABAD
20.	ABB GLOBAL INDUSTRIES & SERVICES LTD.	BANGALORE
21.	ABB GLOBAL INDUSTRIES & SERVICES LTD.	CHENNAI
22.	ABB GLOBAL INDUSTRIES & SERVICES LTD.	DEVAPUR
23.	ABB GLOBAL INDUSTRIES & SERVICES LTD.	TIRUNELVELI
24.	ABB GLOBAL INDUSTRIES & SERVICES LTD.	TIRUVANNAMALAI
25.	ABB INDAI LTD.	ARIYALUR
26.	ABB INDAI LTD.	BAHGALORE
27.	ABB INDAI LTD.	CHENNAI
28.	ABB INDAI LTD.	FARIDABAD
29.	ABB INDAI LTD.	HASSAN
30.	ABB INDAI LTD.	KOMARAPALAYAM
31.	ABB INDAI LTD.	NASHIK
32.	ABB INDAI LTD.	NEW DELHI
33.	ABB INDAI LTD.	TIRUPPUR
34.	ABB INDAI LTD.	VADODARA
35.	ABB MALAYSIA SDN BHD	VILLUPURAM
36.	ABB PTE. LTD.	SINGAPORE
37.	ABB SPA PROCESS AUTOMATION DIVISION	KUWAIT
38.	ABCL SAFETY CONSULTANTS	DUBAI
39.	ABDULLAH A.M. AL-KHODARI SONS CO.	ALKHOBAR
40.	ABELLON CLEAN ENERGY LTD. AHMEDABAD	AHMEDABAD
41.	ABG CEMENT BUSINESS	MUMBAI
42.	ABHIJEET TECHNO-PLAST INDIA PVT. LTD.	NASHIK
43.	ABI SHOWATECH INDIA LTD.	SHOLINGHUR
44.	ABI SHOWATECH LLC	SALALAH
45.	ABILASH CHANDRAN	COIMBATORE
46.	ABOVE SOLUTIONS INDIA PVT. LTD.	BANGALORE
47.	ABS GROUP INC	ABU DHABI
48.	ABS GROUP SAUDI ARABIA CO. LTD.	TIRUCHIRAPPALLI
49.	ABSOLUTE QUALITY CERTIFICATION PVT. LTD.	GHAZIABAD
50.	ABU DHABI AIRCRAFT TECHNOLOGIES	ABU DHABI
51.	ABU DHABI COMPANY FOR ONSHORE OIL OPERATION	ABU DHABI
52.	ABU DHABI COMPANY FOR ONSHORE OIL OPERATION	KUMBAKONAM
53.	ABU DHABI GAS INDUSTRIES LTD.	ABU DHABI
54.	ABU DHABI GAS INDUSTRIES LTD.	ALAPPUZHA
55.	ABU DHABI GAS INDUSTRIES LTD.	KULITHALAI
56.	ABU DHABI GAS INDUSTRIES LTD.	RUWAI

57.	ABU DHABI MARITIME & MERCANTILE INTERNATIONAL	ABU DHABI
58.	ABUDHABI AIRCRAFT TECHNOLOGIES	ABU DHABI
59.	ABUDHABI COMPANY FOR ONSHORE OPERATIONS	ABU DHABI
60.	ABUDHABI HEALTH SERVICES CO,	ALAIN
61.	ABUDHABI OIL REFINING COMPANY	ABU DHABI
62.	ABUDHABI OIL REFINING COMPANY	KADI
63.	ABUDHABI OIL REFINING COMPANY	RUWAIS
64.	ABUL KHAIR STEEL MELTING LTD.	JODHPUR
65.	ACC GLOBAL LTD. (HK)	KANNUR
66.	ACC LTD.	BELLARY
67.	ACC LTD.	KOLKATA
68.	ACC LTD.	MAINPURI
69.	ACCEL FRONTLINE LTD.	DELHI
70.	ACCEL FRONTLINE LTD.	ERNAKULAM
71.	ACCEL FRONTLINE LTD.	THRISSUR
72.	ACCENTURE SERVICES PVT. LTD.	BANGALORE
73.	ACCENTURE SERVICES PVT. LTD.	CHENNAI
74.	ACCENTURE SERVICES PVT. LTD.	COIMBATORE
75.	ACCENTURE SERVICES PVT. LTD.	DELHI
76.	ACCENTURE SERVICES PVT. LTD.	DOMBIVILI
77.	ACCENTURE SERVICES PVT. LTD.	ERNAKULAM
78.	ACCENTURE SERVICES PVT. LTD.	GHAZIABAD
79.	ACCENTURE SERVICES PVT. LTD.	GURGAON
80.	ACCENTURE SERVICES PVT. LTD.	HOSUR
81.	ACCENTURE SERVICES PVT. LTD.	HUBLI
82.	ACCENTURE SERVICES PVT. LTD.	HYDERABAD
83.	ACCENTURE SERVICES PVT. LTD.	KOLKATA
84.	ACCENTURE SERVICES PVT. LTD.	KOTTAYAM
85.	ACCENTURE SERVICES PVT. LTD.	LUDHIANA
86.	ACCENTURE SERVICES PVT. LTD.	MADURAI
87.	ACCENTURE SERVICES PVT. LTD.	MEERUT
88.	ACCENTURE SERVICES PVT. LTD.	MUMBAI
89.	ACCENTURE SERVICES PVT. LTD.	MYSORE
90.	ACCENTURE SERVICES PVT. LTD.	NEW DELHI
91.	ACCENTURE SERVICES PVT. LTD.	ODDANCHATRAM
92.	ACCENTURE SERVICES PVT. LTD.	PATHANAMTHITTA
93.	ACCENTURE SERVICES PVT. LTD.	PUDUCHERRY
94.	ACCENTURE SERVICES PVT. LTD.	PUNE
95.	ACCENTURE SERVICES PVT. LTD.	SECUNDERABAD
96.	ACCENTURE SERVICES PVT. LTD.	THANE
97.	ACCENTURE SERVICES PVT. LTD.	THRISSUR
98.	ACCENTURE SERVICES PVT. LTD.	TRICHY
99.	ACCENTURE SERVICES PVT. LTD.	VIDYANAGAR, HUBLI
100.	ACCESS INDIA IMPEX CENTRE PVT. LTD.	NEW DELHI
101.	ACCOLITE SOFTWARE INDIA PVT. LTD.	HYDERABAD
102.	ACCORD SOFTWARE & SYSTEMS PVT. LTD.	BANGALORE
103.	ACCORD SOFTWARE & SYSTEMS PVT. LTD.	MYSORE
104.	ACCURATE LOGISTICS	CHENNAI
105.	ACE MANUFACTURING SYSTEMS LTD.	BANGALORE
106.	ACG PAM PHARMA TECHNOLOGIES PVT. LTD.	MUMBAI
107.	ACG WORLDWIDE (BU:ACG PAMPAC)	PUNE
108.	ACI PAYMENT SYSTEMS	MANDYA
109.	ACI WORLDWIDE SOLUTIONS P LTD.	BANGALORE
110.	ACI WORLDWIDE SOLUTIONS P LTD.	MUMBAI
111.	ACIDAES SOLUTIONS PVT. LTD.	MUMBAI
112.	ACIDAES SOLUTIONS PVT. LTD.	NEW DELHI
113.	ACS INDIA PVT. LTD.	NOIDA
114.	ACS,A XEROX COMPANY	BANGALORE
115.	ACTION ISPAT & POWER (P) LTD.	KANPUR
116.	ACTUANT INDIA PVT. LTD.	BANGALORE
117.	ACUMENT FASTENING SYSTEMS	COIMBATORE
118.	ADA-DRDO	YAMUNANAGAR

119.	ADAMS STUDIO INDIA PVT. LTD.	CHENNAI
120.	ADANI DEVELOPERS PVT. LTD.	NAVI MUMBAI
121.	ADANI POWER MAHARASHTRA LTD.	BURNPUR
122.	ADANI POWER MAHARASHTRA LTD.	DURGAPUR
123.	ADD ENERGY & PARTNER LLC	ERODE
124.	ADD ENERGY & PARTNER LLC	NAGERCOIL
125.	ADDNODE INDIA PVT. LTD.	MUMBAI
126.	ADECCO INDIA PVT. LTD.	HALDWANI
127.	ADHUNIK METALIKS LTD.	ROURKELA
128.	ADITI TECHNOLOGIES PVT. LTD.	BANGALORE
129.	ADITYA AUTO PRODUCTS ENGG (I) PVT. LTD.	BANGALORE
130.	ADITYA MULTI CARE HOSPITAL	TUNI
131.	ADNOC DISTRIBUTION	ALAIN
132.	ADOBE SYSTEMS INDIA PVT. LTD.	BANGALORE
133.	ADOBE SYSTEMS INDIA PVT. LTD.	BIJNOR
134.	ADOBE SYSTEMS INDIA PVT. LTD.	DEHRADUN
135.	ADOBE SYSTEMS INDIA PVT. LTD.	DELHI
136.	ADOBE SYSTEMS INDIA PVT. LTD.	GHAZIABAD
137.	ADOBE SYSTEMS INDIA PVT. LTD.	MEERUT
138.	ADOBE SYSTEMS INDIA PVT. LTD.	NEW DELHI
139.	ADOBE SYSTEMS INDIA PVT. LTD.	NOIDA
140.	ADOBE SYSTEMS INDIA PVT. LTD.	RISHIKESH
141.	ADOR POWERTRON LTD.	PUNE
142.	ADP INDIA PVT. LTD.	HUZURABAD
143.	ADP INDIA PVT. LTD.	HYDERABAD
144.	ADP INDIA PVT. LTD.	PUNE
145.	ADP INDIA PVT. LTD.	TADIPATRI
146.	ADP SOLUTIONS PVT. LTD.	CHENNAI
147.	ADRENALIN ESYSTEMS LTD.	CHENNAI
148.	ADVAIYA SOLUTION PVT. LTD.	UDAIPUR
149.	ADVANCE MICRO DEVICES	BANGALORE
150.	ADVANCED ELECTRONICS COMPANY	RIYADH
151.	ADYARD ABUDHABI LLC	ABU DHABI
152.	AEQUOR INFORMATION TECHNOLOGIES PVT. LTD.	CHENNAI
153.	AERONAUTICAL DEVELOPMENT AGENCY	BANGALORE
154.	AEROSTRUCTURES ASSEMBLIES INDIA PVT. LTD.	BELGAUM
155.	AFFILIATED COMPUTER SERVICES	BANGALORE
156.	AFOUR TECHNOLOGIES PVT. LTD., PUNE	BANGALORE
157.	AGC NETWORKS LTD.	BANGALORE
158.	AGFA HEALTHCARE SOLUTIONS	DUBAI
159.	AGGREKO ENERGY RENTAL INDIA PVT. LTD.	FARIDABAD
160.	AGILENT TECHNOLOGIES (MANESAR)	MANESAR
161.	AGILENT TECHNOLOGIES INC.	DELHI
162.	AGILIAD TECHNOLOGIES	PUNE
163.	AGILIQ INFO SOLUTIONS	HYDERABAD
164.	AGNICE INTERNATIONAL & PARTNERS L.L.C	ERNAKULAM
165.	AGNITY TECHNOLOGIES PVT. LTD.	GHAZIABAD
166.	AGREEYA SOLUTIONS	DELHI
167.	AHLUWALIA CONTACTS INDIA LTD.	NEW DELHI
168.	AHMADIAH CONTRACTING & TRADING COMPANY	VIZIANAGARAM
169.	AIBEL PTE LTD.	CHENNAI
170.	AIBEL PTE LTD.	HOUGANG
171.	AIBEL PTE LTD.	SINGAPORE
172.	AIBEL PTE LTD.	TANJAVUR
173.	AIR INDIA SATS	NEW DELHI
174.	AIRBUS INDIA OPERATIONS PVT. LTD.	MADURAI
175.	AIRCOM INTERNATIONAL	GURGAON
176.	AIRFORCE	AGRA
177.	AIRWATCH TECHNOLOGIES INDIA PVT. LTD.	BANGALORE
178.	AIRWATCH TECHNOLOGIES INDIA PVT. LTD.	COIMBATORE
179.	AISECT COMPUTER EDUCATION	PILANI
180.	AJMER VIDHUT VITRAN NIGAM LTD.	BADNOR

181.	AKAMAI TECHNOLOGIES	BANGALORE
182.	AKAR TOOLS LTD.	NANDED
183.	AKC DATA SYSTEMS (I) PVT. LTD.	NOIDA
184.	AKER SOLUTIONS	PUNE
185.	AKSA SOFTWARE SOLUTIONS PVT. LTD.	SRINAGAR
186.	AKZONOBEL INDIA	NAVI MUMBAI
187.	AL AHALIA MEDICAL GROUP	THRISSUR
188.	AL AHLEIA SWITCHGEAR CO.	ERNAKULAM
189.	AL FUTTAIM CARILLION LLC	ABU DHABI
190.	AL GHURAIR IRON & STEELS LLC	ABU DHABI
191.	AL GHURAIR IRON & STEELS LLC	MUSSAFAH
192.	AL HADITHA PETROLEUM SERVICES S.A.O.C	MUSCAT
193.	AL HAMRA CONSTRUCTION CO LLC	AL JAZEERA
194.	AL HAMRAH CONSTRUCTION.CO.LLC	JAZEERA
195.	AL HOSN GAS(ABU DHABI GAS DEVELOPMENT CO	MADURAI
196.	AL JABER GROUP	ABU DHABI
197.	AL JABER GROUP	DUBAI
198.	AL JAZIRA METAL INDUSTRIES CO. LLC	ABU DHABI
199.	AL KHALEEJ SUGAR	DUBAI
200.	AL MAHASIN ELECTRICAL CONT.CO	SHARJAH
201.	AL MASAOOD BERGUM	MUSSAFAH
202.	AL MAZROEI BOWYER BUILDING	DUBAI
203.	AL MOAYYED TRADING & CONTRACTING	MANAMA
204.	AL OTHMAN INDUSTRIAL MARKETING COMPANY(I	NAGPUR
205.	AL RAJHI TAKAFUL	AL MALAZ
206.	AL RASHED FASTENERS	DAMMAM
207.	AL REYAMI STEEL	TRICHY
208.	AL SABBAH ELECTROMECHANICAL	ABU DHABI
209.	AL SHIRAWI ELECTRICAL&MECHANICAL	DUBAI
210.	AL TAJIR GLASS INDUSTRIES	DUBAI
211.	AL-AHLEIA SWITCHGEAR CO.	THIRUVALLA
212.	ALBONAIR INDIA PVT. LTD.	CHENNAI
213.	ALCATEL LUCENT INDIA LTD.	BANGALORE
214.	ALCATEL LUCENT INDIA LTD.	CHENNAI
215.	ALCATEL LUCENT INDIA LTD.	GURGAON
216.	ALCATEL LUCENT INDIA LTD.	PUNE
217.	ALCATEL LUCENT INDIA LTD.	RAJAPALAYAM
218.	ALCATEL LUCENT INDIA LTD.	SINGAPORE
219.	ALCHEMY SOLUTIONS	BANGALORE
220.	ALFANAR CO, (DAR ENGG)	DAMMAM
221.	ALFANAR ELECTRICAL SYSTEMS	KANATHUR
222.	ALFANAR ELECTRICAL SYSTEMS	RIYADH
223.	ALJABER ENERGY SERVICES LLC	ABU DHABI
224.	ALKEM LABORATORIES LTD.	PANCHKULA
225.	ALLGO EMBEDDED SYSTEMS PVT. LTD.	NEW DELHI
226.	ALLIANCE GLOBAL SERVICES	HYDERABAD
227.	ALLIANZ CORNHILL INFORMATION SERVICE	ERNAKULAM
228.	ALLIANZ MANAGED OPERATIONS & SERVICES	KOCHI
229.	ALLSCRIPTS (I) PVT. LTD.	BANGALORE
230.	ALLSTATE SOLUTIONS PVT. LTD.	BANGALORE
231.	ALLYZONE SOFTTECH PVT. LTD.	DELHI
232.	ALOK INDUSTRIES	NEW DELHI
233.	ALREEM HOSPICO COMPANY LLC	ALAIN
234.	ALSA ENGINEERING & CONSTRUCTION	KOLLAM
235.	ALSTOM BHARAT FORGE POWER LTD.	NOIDA
236.	ALSTOM INDIA LTD.	VADODARA
237.	ALSTOM MIDDLE EAST	ABU DHABI
238.	ALSTOM PROJECTS INDIA LTD.	DURGAPUR
239.	ALSTOM PROJECTS INDIA LTD.	NOIDA
240.	ALSTOM T&D INDIA LTD.	GHAZIABAD
241.	ALSTOM TRANSPORT INDIA LTD.	BANGALORE
242.	ALTAIR ENGINEERING INDIA	BANGALORE

243.	ALTEN INDIA PVT. LTD.	BANGALORE
244.	ALTIMETRIK INDIA PVT. LTD.	CHENNAI
245.	ALTIMETRIK INDIA PVT. LTD.	THIRUVANNAMALAI
246.	ALTIMETRIK INDIA PVT. LTD.	WARASEONI
247.	ALTISOURCE BUSINESS SOLUTIONS PVT. LTD.	BANGALORE
248.	ALTRAN INDIA PVT. LTD.	BANGALORE
249.	ALUTECH FOUNDRY INDIA(P)LTD.	DHARMAPURI
250.	AMADEUS SOFTWARE LABS INDIA PVT. LTD.	BANGALORE
251.	AMADEUS SOFTWARE LABS INDIA PVT. LTD.	CHENNAI
252.	AMADEUS SOFTWARE LABS INDIA PVT. LTD.	MYSORE
253.	AMANA CONCRETE MODULAR CONSTRUCTIONS	DUBAI
254.	AMARPRAKASH DEVELOPERS PVT. LTD.	CHENNAI
255.	AMAX TECHNOLOGIES	RIYADH
256.	AMAZON DEVELOPMENT CENTRE INDIA PVT. LTD.	BANGALORE
257.	AMAZON DEVELOPMENT CENTRE INDIA PVT. LTD.	CHENNAI
258.	AMAZON DEVELOPMENT CENTRE INDIA PVT. LTD.	HYDERABAD
259.	AMAZON DEVELOPMENT CENTRE INDIA PVT. LTD.	THANJAVUR
260.	AMAZON DEVELOPMENT CENTRE INDIA PVT. LTD.	VILLUPURAM
261.	AMBE ENGINEERS PVT. LTD.	FARIDABAD
262.	AMC SPECIAL SERIVCES	DOMBIVILI
263.	AMD INDIA PVT. LTD.	BANGALORE
264.	AMD INDIA PVT. LTD.	HYDERABAD
265.	AMDOCS INDIA PVT. LTD.	GURGAON
266.	AMDOCS INDIA PVT. LTD.	LIMASSOL
267.	AMDOCS INDIA PVT. LTD.	NAVI MUMBAI
268.	AMDOCS INDIA PVT. LTD.	PUNE
269.	AMEC BLACKCAT LLC	CUDDALORE
270.	AMEC BLACKCAT LLC	KANNUR
271.	AMEC INTERNATIONAL LTD.	ABU DHABI
272.	AMERICAN EXPRESS INDIA PVT. LTD.	BANGALORE
273.	AMERICAN EXPRESS INDIA PVT. LTD.	GURGAON
274.	AMERICAN MEGATRENDS INDIA PVT. LTD.	CHENNAI
275.	AMERICAN SOLUTIONS PVT. LTD.	VISAKHAPATNAM
276.	AMETEK INSTRUMENTS INDIA PVT. LTD.	BANGALORE
277.	AMETEK INSTRUMENTS INDIA PVT. LTD.	CHENNAI
278.	AMITY UNIVERSITY	DUBAI
279.	AMPHENOL INTERCONNECT INDIA PVT. LTD.	KANCHEEPURAM
280.	AMPLEX EMIRATES LLC	ABU DHABI
281.	AMRAPALI GROUP OF INSTITUTIONS	HALDWANI
282.	AMRAPALI GROUP OF INSTITUTIONS	LUCKNOW
283.	AMW MOTORS LTD.	BHUJ
284.	ANALOG DEVICES INC.	BANGALORE
285.	ANANTPRABHA SOFTWARE SOLUTIONS	PUNE
286.	ANGLER TECHNOLOGIES INDIA PVT. LTD.	COIMBATORE
287.	ANIRUDDHA TELEMETRY SYSTEMS	MUMBAI
288.	ANSALDO STS - UNION SWITCH & SIGNAL	CHENNAI
289.	ANSELL - SURETEX PROPHYLACTICS (I) LTD.	BANGALORE
290.	ANSR CONSULTING INDIA PVT. LTD.	BANGALORE
291.	ANSYS FLUENT INDIA PVT. LTD.	PUNE
292.	ANSYS FLUENT PVT. LTD.	PUNE
293.	ANTZ MCS PVT. LTD.	BANGALORE
294.	ANUBAVAM TECHNOLOGIES	CHENNAI
295.	ANZ OPERATIONS & TECHNOLOGY	BANGALORE
296.	ANZ TECHNOLOGIES	BANGALORE
297.	AON HEWITT	DELHI
298.	AON HEWITT	DINDIGUL
299.	AON HEWITT	NOIDA
300.	AONE TECHNOLOGY PVT. LTD.	NEW DELHI
301.	AOP COMPUTER CENTRE	NEW DELHI
302.	APAR TECHNOLOGIES PTE LTD.	SINGAPORE
303.	APARA ENTERPRISE SOLUTIONS PVT. LTD.	BANGALORE
304.	APNA INSTRUMENTATION SOLUTIONS PVT. LTD.	CHENNAI

305.	APOLLO DRDO HOSPITAL, HYDERABAD	HYDERABAD
306.	APOLLO HOSPITALS	CHENNAI
307.	APOLLO TYRES LTD.	ALWAYE
308.	APOLLO TYRES LTD.	CHENNAI
309.	APOLLO TYRES LTD.	TINDIVANAM
310.	APOLLO TYRES LTD.	VADODARA
311.	APPAREL TRAINING & DESIGN CENTRE	GURGAON
312.	APPLABS, A CSC COMPANY	SECUNDERABAD
313.	APPECT LEARNING SYSTEMS PVT. LTD.	NEW DELHI
314.	APPLIED ELECTRO MAGNETICS PVT. LTD.	MEERUT
315.	APPLIED MATERIALS INDIA PVT. LTD.	BANGALORE
316.	APPLIED MATERIALS INDIA PVT. LTD.	CHENNAI
317.	APPLIED RESEARCH INTERNATIONAL (P) LTD,	NEW DELHI
318.	APPS ASSOCIATES	HYDERABAD
319.	APTECH LTD.	PUNE
320.	AQ MECH'L & ELECT'L MFG. INDIA PVT. LTD.	PUNE
321.	ARAB GULF VOLTECH SERVICES LLC	ABU DHABI
322.	ARAB SHIPBUILDING & REPAIR YARD	THRISSUR
323.	ARABI ENERTECH KUWAIT	FAHEHEEL
324.	ARABIAN AUTOMOBILES CO LLC	MADURAI
325.	ARABIAN CONSTRUCTION COMPANY	ABU DHABI
326.	ARABIAN INDUSTRIES PROJECTS	ALRUSAYL
327.	ARABIAN MEP CONTRACTING	DOHA
328.	ARABIAN TECHNICAL TRADING EST.	DAMMAM
329.	ARABTEC CONSTRUCTION LLC	TRICHIRAPALLI
330.	ARCELOR NEEL TAILORED BLANK LTD.	CHENNAI
331.	ARCELORMITTAL DESIGN & ENGINEERING CENTRE	ABHOY NAGAR
332.	ARESS SOFTWARE & EDUCATION TECHNOLOGIES	NASHIK
333.	AREVA (ALSTOM GRID)	KANCHEEPURAM
334.	AREVA T&D (ALSTOM GRID)	ERODE
335.	ARGHA TECHNOLOGY SERVICES INDIA PVT. LTD.	HYDERABAD
336.	ARIBA TECHNOLOGIES INDIA PVT. LTD.	BANGALORE
337.	ARICENT TECHNOLOGIES LTD.	ALLAHABAD
338.	ARICENT TECHNOLOGIES LTD.	BANGALORE
339.	ARICENT TECHNOLOGIES LTD.	BILASPUR
340.	ARICENT TECHNOLOGIES LTD.	CHENNAI
341.	ARICENT TECHNOLOGIES LTD.	COIMBATORE
342.	ARICENT TECHNOLOGIES LTD.	DELHI
343.	ARICENT TECHNOLOGIES LTD.	ERODE
344.	ARICENT TECHNOLOGIES LTD.	FARIDABAD
345.	ARICENT TECHNOLOGIES LTD.	GUNTUR
346.	ARICENT TECHNOLOGIES LTD.	GURGAON
347.	ARICENT TECHNOLOGIES LTD.	JAIPUR
348.	ARICENT TECHNOLOGIES LTD.	KANCHEEPURAM
349.	ARICENT TECHNOLOGIES LTD.	KANGAYAM
350.	ARICENT TECHNOLOGIES LTD.	KARNAL
351.	ARICENT TECHNOLOGIES LTD.	MADURAI
352.	ARICENT TECHNOLOGIES LTD.	NAGERCOIL
353.	ARICENT TECHNOLOGIES LTD.	NAMAKKAL
354.	ARICENT TECHNOLOGIES LTD.	NEW DELHI
355.	ARICENT TECHNOLOGIES LTD.	NEYVELI
356.	ARICENT TECHNOLOGIES LTD.	PANIPAT
357.	ARICENT TECHNOLOGIES LTD.	PERAMBALUR
358.	ARICENT TECHNOLOGIES LTD.	PUDUCHERRY
359.	ARICENT TECHNOLOGIES LTD.	ROHTAK
360.	ARICENT TECHNOLOGIES LTD.	SALEM
361.	ARICENT TECHNOLOGIES LTD.	TIRUPPUR
362.	ARIES MARINE ENGG.SERVICES.	VEPPAMPATTU
363.	ARINC INCORPORATED	DUBAI
364.	ARIS GLOBAL SOFTWARE PVT. LTD.	BELGAUM
365.	ARISTOCRAT TECHNOLOGIES INDIA PVT. LTD.	DELHI
366.	ARISTOCRAT TECHNOLOGIES INDIA PVT. LTD.	PATIALA

367.	ARKIPLAN CONSULTING ARCHITECTS & ENGINEE	DEIRA
368.	ARMED FORCES	DELHI
369.	ARMSEL MHE PVT. LTD.	BANGALORE
370.	ARMSTRONG INTERNATIONAL PVT. LTD.	CHENNAI
371.	ARMSTRONG PUMPS	BANGALORE
372.	ARMY	BATHINDA
373.	ARMY	PANAJI
374.	ARMY (CORPS OF EME)	C/O 56 APO
375.	ARRIS GROUP INC	DHARMAPURI
376.	ARROW ELECTRONICS INDIA PVT. LTD.	BANGALORE
377.	ARS SOFTWARE ENGINEERING	THALASSERY
378.	ARS T&TT INDIA PVT. LTD.	KOLLAM
379.	ARTECH INFOSYSTEMS PVT. LTD.	BANGALORE
380.	ARTERIA TECHNOLOGIES PVT. LTD.	MUMBAI
381.	ARVIND ACCEL LTD.	VIJAYAWADA
382.	ARYAKA NETWORKS	BANGALORE
383.	ARYAKA NETWORKS INDIA PVT. LTD.	BANGALORE
384.	ASAHI INDIA GLASS LTD.	DELHI
385.	ASCENDAS SERVICES INDIA PVT. LTD.	BANGALORE
386.	ASHIRVAD PIPES PVT. LTD.	BANGALORE
387.	ASHLEY ALTEAMS INDIA LTD.	CHENNAI
388.	ASHLEY ALTEAMS INDIA LTD.	KANCHEEPURAM
389.	ASHOK LEYLAND LTD.	BANGALORE
390.	ASHOK LEYLAND LTD.	CHENNAI
391.	ASHOK LEYLAND LTD.	COIMBATORE
392.	ASHOK LEYLAND LTD.	HALDWANI
393.	ASHOK LEYLAND LTD.	HARUR
394.	ASHOK LEYLAND LTD.	HOSUR
395.	ASHOK LEYLAND LTD.	NOIDA
396.	ASHOK LEYLAND LTD.	RAJAPALAYAM
397.	ASHOK LEYLAND LTD.	TRICHY
398.	ASHOK LEYLAND LTD.	VELLORE
399.	ASHTON TECHNOLOGIES	MUMBAI
400.	ASHVINI MAGNETS PVT. LTD.	PUNE
401.	ASIA MOTOR WORKS PVT. LTD.	BHUJ
402.	ASIAN PAINTS LTD.	CHENNAI
403.	ASIAN PAINTS LTD.	HYDERABAD
404.	ASIAN PAINTS LTD.	MUMBAI
405.	ASIAN PAINTS LTD.	PONDICHERRY
406.	ASL DRDO MINISTRY OF DEFENCE	HYDERABAD
407.	ASM TECHNOLOGIES LTD.	BANGALORE
408.	ASPECT TECHNOLOGIES	BANGALORE
409.	ASPIRE SYSTEMS PVT. LTD.	MANAVLAKURICHI
410.	ASPIRE SYSTEMS PVT. LTD.	SRIKALAHASTI
411.	ASPIRE SYSTEMS PVT. LTD.	CHENNAI
412.	ASSAM POWER DISTRIBUTION COMPANY LTD.	SILCHAR
413.	ASSAM POWER DISTRIBUTION COMPANY LTD.	TEZPUR
414.	AST ENGINEERING CONSULTANTS PVT. LTD.	VIJAYAWADA
415.	ASTER MINDS ENTERPRISE SOLUTIONS	HYDERABAD
416.	AT&T COMMUNICATION SERVICES INDIA PVT. LTD.	BANGALORE
417.	AT&T GBS INDIA PVT. LTD.	HYDERABAD
418.	ATCS INC.	JAIPUR
419.	ATHENAHEALTH INDIA PVT. LTD.	CHENNAI
420.	ATHENAHEALTH TECHNOLOGY PVT. LTD.	ARAKKONAM
421.	ATHENTA TECHNOLOGIES PVT. LTD.	NOIDA
422.	ATIBIR INDUSTRIES CO.LTD.	VIJAYAWADA
423.	ATLAS CAST ALLOY LTD.	PUNE
424.	ATLAS COPCO (I) LTD.	NASHIK
425.	ATLAS COPCO (I) LTD.	PUNE
426.	ATLAS COPCO INDIA LTD.	PUNE
427.	ATMEL R&D INDIA PVT. LTD.	CHENNAI
428.	ATOS INDIA PVT. LTD.	CHENNAI

429.	ATOS INDIA PVT. LTD.	DOMBIVILI
430.	ATOS INDIA PVT. LTD.	KALAMBOLI
431.	ATOS INDIA PVT. LTD.	KOLKATA
432.	ATOS INDIA PVT. LTD.	MUMBAI
433.	ATOS INDIA PVT. LTD.	NASHIK
434.	ATOS INDIA PVT. LTD.	NAVI MUMBAI
435.	ATOS INDIA PVT. LTD.	NEW DELHI
436.	ATOS INDIA PVT. LTD.	PUNE
437.	ATOS INDIA PVT. LTD.	THANE
438.	AUTODESK INDIA PVT. LTD.	NELLORE
439.	AUTOLIV INDIA PVT. LTD.	BANGALORE
440.	AUTOLIV INDIA PVT. LTD.	CHITRADURGA
441.	AUTOMATIC DATA PROCESSING PVT. LTD.	HYDERABAD
442.	AUTOMOTIVE DESIGN & ENGINEERING SOLUTION	HYDERABAD
443.	AUTOMOTIVE ROBOTICS ENGINEERING SERVICES	BANGALORE
444.	AUTOMOTIVE ROBOTICS INDIA PVT. LTD.	CHENNAI
445.	AUTOMOTIVE ROBOTICS INDIA PVT. LTD.	HYDERABAD
446.	AUTOMOTIVE ROBOTICS INDIA PVT. LTD.	PULIVENDULA
447.	AUTOMOTIVE ROBOTICS INDIA PVT. LTD.	THANJAVUR
448.	AVALON TECHNOLOGIES PVT. LTD.	CHENNAI
449.	AVASARALA TECHNOLOGIES LTD.	BANGALORE
450.	AVAYA INDIA PVT. LTD.	PUNE
451.	AVERY DENNISON INDIA PVT. LTD.	BANGALORE
452.	AVEVA SOFTWARE INDIA PVT. LTD.	HYDERABAD
453.	AVL INDIA PVT. LTD.	DELHI
454.	AVL INDIA PVT. LTD.	GURGAON
455.	AVTEC LTD.	HOSUR
456.	AVVAS INFOTECH	PUNE
457.	AWAL GULF AIR CONDITIONING & REFREG.	CHENNAI
458.	AWAL GULF MFG CO. B.S.C C	VILLUPURAM
459.	AWALGULF MANUFACTURING CO.BSC.	TRICHIRAPPALLI
460.	AWAREGLOBAL HOSPITAL	HYDERABAD
461.	AWAREGLOBAL HOSPITAL	MANDAMARRI
462.	AWARPUR CEMENT WORKS, UTCL AWARPUR MH	CHANDRAPUR
463.	AXA TECHNOLOGY SERVICES	PATNA
464.	AXA TECHNOLOGY SERVICES	BANGALORE
465.	AXIOM CONSULTING PVT. LTD.	BANGALORE
466.	AXIS IT&T LTD.	HYDERABAD
467.	AXIS IT&T LTD.	THIRUVALLUR
468.	AXIS IT&T LTD.	KANPUR
469.	AXIS IT&T LTD.	MYSORE
470.	AXSYS HEALTHTECH LTD.	HYDERABAD
471.	AYNARA TECHNOLOGY SOLUTIONS PVT. LTD.	CHENNAI
472.	AZUL SYSTEMS	BANGALORE
473.	B FOURESS PVT. LTD.	BANGALORE
474.	B/E AEROSPACE PVT. LTD.	HYDERABAD
475.	B/E AEROSPACE PVT. LTD.	VISAKHAPATNAM
476.	B/E AEROSPACE PVT. LTD.	COIMBATORE
477.	BA CONTINUUM INDIA PVT. LTD.	PUDUKKOTTAI
478.	BA CONTINUUM INDIA PVT. LTD.	THANE
479.	BA CONTINUUM INDIA PVT. LTD.	CHENNAI
480.	BA CONTINUUM INDIA PVT. LTD.	GUNTUR
481.	BACARDI INDIA PVT. LTD.	MYSORE
482.	BAHWAN CYBERTEK IT PARK	THIRUPPUR
483.	BAHWAN CYBERTEK PVT. LTD.	TRICHY
484.	BAJAJ AUTO LTD.	PUNE
485.	BAJAJALLIANZ LIFE INSURANCE COMPANY	BARGARH
486.	BAKER HUGHES	DUBAI
487.	BAKER HUGHES GHANA LTD.	MUMBAI
488.	BALLY TECHNOLOGIES INDIA PVT. LTD.	BANGALORE
489.	BALLY TECHNOLOGIES INDIA PVT. LTD.	CHENNAI
490.	BANK NOTE PRESS DEWAS	DEWAS

491.	BANK OF AMERICA	GURGAON
492.	BANK OF AMERICA	HYDERABAD
493.	BANK OF AMERICA CONTINUUM INDIA PVT. LTD.	DELHI
494.	BAPS PRAMUKH SWAMI HOSPITAL	SURAT
495.	BARALA HOSPITAL	JHUNJHUNU
496.	BARCLAYS TECHNOLOGY CENTRE INDIA PVT. LTD.	PUNE
497.	BARCLAYS TECHNOLOGY CENTRE INDIA PVT. LTD.	HYDERABAD
498.	BARCO ELECTRONIC SYSTEMS (P) LTD.	NOIDA
499.	BARCO ELECTRONIC SYSTEMS (P) LTD.	GURGAON
500.	BASE CONTROL TECH FZC	SHARJAH
501.	BASF INDIA LTD.	MANGALORE
502.	BAXTER BIOSCIENCES,SARL,	KARUR
503.	BAXTER HEALTHCARE SA,	MARSILING
504.	BAXTER HEALTHCARE SA,	SINGAPORE
505.	BAYER CROPSCIENCE LTD.	THANE
506.	BCS INFOSOFT INDIA PVT. LTD.	GURGAON
507.	BDS STEEL DETAILERS AUSTRALIA PTY. LTD.	CHENNAI
508.	BE AEROSPACE	HYDERABAD
509.	BEHR INDIA LTD.	PUNE
510.	BEHR PROCESS PAINTS	PUNE
511.	BELHASA PROJECTS LLC	TIRUNELVELI
512.	BELSONICA AUTO COMPONENT INDIA PVT. LTD.	GURGAON
513.	BEML LTD.	BANGALORE
514.	BEML LTD.	JAIPUR
515.	BEML LTD.	MYSORE
516.	BENCHMARK TECHNOLOGY	RIYADH
517.	BENGAL INSTITUTE OF TECHNOLOGY MGMT.	KOLKATA
518.	BENNETT COLEMAN & CO LTD.	PUNE
519.	BEROE CONSULTING INDIA PVT. LTD.	CHENNAI
520.	BETSOL SOFTWARE INDIA PVT. LTD.	BANGALORE
521.	BG EXPLORATION & PRODUCTION INDIA LTD.	DAHANU
522.	BG EXPLORATION & PRODUCTION INDIA LTD.	NAVI MUMBAI
523.	BG EXPLORATION & PRODUCTION INDIA LTD.	PERUMBAVOOR
524.	BG EXPLORATION & PRODUCTION INDIA LTD.	VADODARA
525.	BGR ENERGY SYSTEMS LTD.	CHENNAI
526.	BHABHA ATOMIC RESEARCH CENTRE	MUMBAI
527.	BHARAT BUSINESS CHANNEL LTD.	GREATER NOIDA
528.	BHARAT DYNAMICS LTD.	HYDERABAD
529.	BHARAT EARTH MOVERS LTD.	TRICHY
530.	BHARAT ELECTRONICS LTD.	BANGALORE
531.	BHARAT ELECTRONICS LTD.	CHENNAI
532.	BHARAT ELECTRONICS LTD.	GHAZIABAD
533.	BHARAT ELECTRONICS LTD.	GURGAON
534.	BHARAT ELECTRONICS LTD.	HYDERABAD
535.	BHARAT ELECTRONICS LTD.	VARANASI
536.	BHARAT FORGE LTD.	NEW DELHI
537.	BHARAT FORGE LTD.	PUNE
538.	BHARAT HEAVY ELECTRICALS LTD.	BHOPAL
539.	BHARAT HEAVY ELECTRICALS LTD.	TRICHY
540.	BHARAT HEAVY ELECTRICALS LTD.	TRIVANDRUM
541.	BHARAT HEAVY ELECTRICALS LTD.	VELLORE
542.	BHARAT HEAVY ELECTRICALS LTD.	CHENNAI
543.	BHARAT HEAVY ELECTRICALS LTD.	TIRUCHIRAPPALLI
544.	BHARAT PETROLEUM CORPORATION LTD.	MADURAI
545.	BHARAT PETROLEUM CORPORATION LTD.	NAVI MUMBAI
546.	BHARAT SANCHAR NIGAM LTD.	FATEHABAD
547.	BHARAT SANCHAR NIGAM LTD.	RAIPUR
548.	BHARTI AIRTEL LTD.	GURGAON
549.	BHARTI AIRTEL LTD.	NEW DELHI
550.	BHARTI AIRTEL LTD.	NILAKOTTAI
551.	BHATIA HOSPITAL	AMBARNATH
552.	BHAWAN ENGINEERING CO LLC	PUNE

553.	BHORUKA CHARITABLE TRSUT	JAIPUR
554.	BHUMITRA ENERGY AUDITING & CONSULTANCY	GUNTUR
555.	BHUSHAN STEEL LTD.	ANGUL
556.	BHUSHAN STEEL LTD.	BETUL
557.	BIecco LAWRIE LTD.	KOLKATA
558.	BIesse MANUFACTURING PVT. LTD.	BANGALORE
559.	BIGSTEM ANALYTICS PVT. LTD.	FARIDABAD
560.	BIGTECH SOFTWARE PVT. LTD.	COIMBATORE
561.	BILT MIDDLE EAST LLC	TIRUNELVELI
562.	BIMAKING.COM	NEW DELHI
563.	BIN SALIM ENTERPRISES LLC	MUSCAT
564.	BIN SAUD TECHNICAL TRADING EST.	ABU DHABI
565.	BINANI CEMENT LTD.	PINDWARA
566.	BINANI CEMENT LTD.	SIROHI
567.	BINANI ZINC LTD.	ERNAKULAM
568.	BINTHANI ELECTROMECHANICAL CONSTRUTCION	RAJAHMUNDRY
569.	BIOCON LTD.	BANGALORE
570.	BIRLA CELLULOSIC	BHARUCH
571.	BIRLASOFT	MADURANTAKAM
572.	BITS PILANI HYDERABAD CAMPUS	HYDERABAD
573.	BITS PILANI	PILANI
574.	BITS PILANI K K BIRLA GOA CAMPUS	GOA
575.	BLUE STAR LTD.	TIRUPUR
576.	BLUE STAR LTD.	BANGALORE
577.	BLUE STAR LTD.	DOMBIVLI
578.	BLUE STAR LTD.	GURGAON
579.	BLUE STAR LTD.	RAJAPALAYAM
580.	BLUE WHALE ADVISORY SERVICES PVT. LTD.	GURGAON
581.	BLUEROSE TECHNOLOGIES	BANGALORE
582.	BMC SOFTWARE INDIA PVT. LTD.	BANGALORE
583.	BMC SOFTWARE INDIA PVT. LTD.	PUNE
584.	BMW INDIA PVT. LTD.	HOSUR
585.	BOBST AFRICA MIDDLE EAST	DUBAI
586.	BOLTELL INFOMEDIA PVT. LTD.	BANGALORE
587.	BOMBARDIER TRANSPORTATION INDIA LTD.	KANCHARAPARA
588.	BOMBARDIER TRANSPORTATION INDIA LTD.	VALSAD
589.	BOMBAY HOSPITAL	NAVI MUMBAI
590.	BOMBAY HOSPITAL	THANE
591.	BOMBAY HOSPITAL	INDORE
592.	BOMBAY HOSPITAL	MUMBAI
593.	BONFIGLIOLI TRANSMISSIONS PVT. LTD.	SALEM
594.	BONFIGLIOLI TRANSMISSIONS PVT. LTD.	CHENNAI
595.	BORGWARNER MORSE TEC MURUGAPPA PVT. LTD.	TIRUVALLUR
596.	BORQS SOFTWARE SOLUTIONS PVT. LTD.	BANGALORE
597.	BOSCH LTD.	AHMEDABAD
598.	BOSCH LTD.	BANGALORE
599.	BOSCH LTD.	COIMBATORE
600.	BOSCH LTD.	GOA
601.	BOSCH LTD.	JAIPUR
602.	BOSCH LTD.	KRISHNAGIRI
603.	BOSCH LTD.	LUCKNOW
604.	BOSCH LTD.	MARGAO
605.	BOSCH LTD.	NAGPUR
606.	BOSCH LTD.	NASHIK
607.	BOSCH LTD.	PUNE
608.	BOSCOM SOFTWARE	HABRA
609.	BOUYGUES BATIMENT INTERNATIONAL	CHENNAI
610.	BPL TELECOM PVT. LTD.	PALAKKAD
611.	BRAHMOS AEROSPACE PVT. LTD.	HYDERABAD
612.	BRAKES INDIA LTD.	CHENNAI
613.	BRAKES INDIA LTD.	HYDERABAD
614.	BRAKES INDIA LTD.	PONDICHERRY

615.	BRAKES INDIA LTD.	VELLORE
616.	BRAKES INDIA LTD.	VIRUDHUNAGAR
617.	BRAVURA SOLUTIONS INDIA PVT. LTD.	NEW DELHI
618.	BREACH CANDY HOSPITAL TRUST	MUMBAI
619.	BREMBO BRAKE INDIA PVT. LTD.	PUNE
620.	BRIDGESTONE INDIA PVT. LTD.	MUMBAI
621.	BRILLIO TECHNOLOGIES	BANGALORE
622.	BRILLIO TECHNOLOGIES	ERNAKULAM
623.	BRILLIO TECHNOLOGIES	KARWAR
624.	BRISTLECONE INDIA PVT. LTD.	BANGALORE
625.	BRITANNIA INDUSTRIES LTD.	AMBATTUR
626.	BRITISH TELECOM	BANGALORE
627.	BROADCOM COMMUNICATIONS TECHNOLOGIES PVT. LTD.	BANGALORE
628.	BROADCOM COMMUNICATIONS TECHNOLOGIES PVT. LTD.	HYDERABAD
629.	BROADCOM COMMUNICATIONS TECHNOLOGIES PVT. LTD.	JANGAON
630.	BROADCOM COMMUNICATIONS TECHNOLOGIES PVT. LTD.	KAKINADA
631.	BROADRIDGE FINANCIAL SOLUTIONS	HYDERABAD
632.	BROADRIDGE JAPAN LTD.	CHENNAI
633.	BROCADE COMMUNICATIONS SYSTEMS PVT. LTD.	BANGALORE
634.	BRUNEL ENERGY KUWAIT, EQUATE PETROCHEMIC	CHENNAI
635.	BSES YAMUNA POWER LTD.	GHAZIABAD
636.	BSNL	BANGALORE
637.	BSNL	BHUBANESWAR
638.	BSNL	CUTTACK
639.	BSNL	FATEHABAD
640.	BT E-SERV INDIA PVT. LTD.	BANGALORE
641.	BT E-SERV INDIA PVT. LTD.	GURGAON
642.	BT E-SERV INDIA PVT. LTD.	KANYAKUMARI
643.	BT E-SERV INDIA PVT. LTD.	SRIKALAHASTI
644.	BUHLER (I) PVT. LTD.	BANGALORE
645.	BUHLER (I) PVT. LTD.	HOSUR
646.	BUHLER (I) PVT. LTD.	ATTIBELE
647.	BURCKHARDT COMPRESSION (I) PVT. LTD.	PUNE
648.	BUREAU OF INDIAN STANDARDS	NEW DELHI
649.	BUREAU VERITAS	BAPATLA
650.	BUREAU VERITAS	DEIRA
651.	BUREAU VERITAS	WADIKABIR
652.	BUREAU VERITAS	MIRZAPUR
653.	BURKERT CONTROMATIC PVT. LTD.	THRISSUR
654.	BUSH ELECTRICALS & ENGINEERS	NASHIK
655.	BUSINESS INTELLIGENCE & SOLUTIONS	CHENNAI
656.	BUTTERFLY GANDHIMATHI APPLIANCES LTD.	VELLORE - DISTRICT
657.	BUTTERFLY THEMES DESIGN & BRANDING P LTD.	THANE
658.	C&C HOTELS VENTURE PVT. LTD.	NEW DELHI
659.	C&S ELECTRIC LTD.	NEW DELHI
660.	CA TECHNOLOGIES (I) PVT. LTD.	BANGALORE
661.	CA TECHNOLOGIES (I) PVT. LTD.	NALGONDA
662.	CA TECHNOLOGIES (I) PVT. LTD.	HYDERABAD
663.	CADD CENTRE TRAINING SERVICES	THIRUVALLA
664.	CADENCE DESIGN SYSTEMS (I) PVT. LTD.	DELHI
665.	CADENCE DESIGN SYSTEMS (I) PVT. LTD.	GHAZIABAD
666.	CADENCE DESIGN SYSTEMS (I) PVT. LTD.	JAIPUR
667.	CADENCE DESIGN SYSTEMS (I) PVT. LTD.	NOIDA
668.	CADENCE DESIGN SYSTEMS (I) PVT. LTD.	BANGALORE
669.	CADILA PHARMACEUTICAL LTD.	DHRANGADHRA
670.	CADSYS (I) LTD.	HYDERABAD
671.	CAIRN ENERGY INDIA PTY LTD.	NEW DELHI
672.	CAIRN ENERGY INDIA PTY LTD.	VADODARA
673.	CALSOFT LABS (I) PVT. LTD.	BANGALORE
674.	CALSOFT LABS (I) PVT. LTD.	CHENNAI
675.	CALSOFT LABS (I) PVT. LTD.	KOCHI
676.	CALSOFT LABS (I) PVT. LTD.	MANCHERIAL

677.	CAMBRIDGE SOLUTION PVT. LTD.	BANGALORE
678.	CAMERON MANUFACTURING INDIA PVT. LTD.	COIMBATORE
679.	CAMERON MANUFACTURING INDIA PVT. LTD.	TIRUPPUR
680.	CAMP SYSTEMS PVT. LTD.	HYDERABAD
681.	CANARA HYDRAULICS PVT. LTD.	COIMBATORE
682.	CANDOUR SYSTEMS	ALIGARH
683.	CANRAY HEALTH ALLIANCE PVT. LTD.	CHENNAI
684.	CANVERA DIGITAL TECHNOLOGIES PVT. LTD.	BANGALORE
685.	CAP GEMINI CONSULTING LTD.	BANGALORE
686.	CAPARO ENGINEERING INDIA LTD.	CHENNAI
687.	CAPGEMINI INDIA PVT. LTD.	BANGALORE
688.	CAPGEMINI INDIA PVT. LTD.	CHENNAI
689.	CAPGEMINI INDIA PVT. LTD.	CHIKMAGALORE
690.	CAPGEMINI INDIA PVT. LTD.	DOMBIVILI
691.	CAPGEMINI INDIA PVT. LTD.	HOSUR
692.	CAPGEMINI INDIA PVT. LTD.	HYDERABAD
693.	CAPGEMINI INDIA PVT. LTD.	JABALPUR
694.	CAPGEMINI INDIA PVT. LTD.	KANCHEEPURAM
695.	CAPGEMINI INDIA PVT. LTD.	KARAD
696.	CAPGEMINI INDIA PVT. LTD.	MUMBAI
697.	CAPGEMINI INDIA PVT. LTD.	NAGPUR
698.	CAPGEMINI INDIA PVT. LTD.	PUNE
699.	CAPILLARY TECHNOLOGIES INDIA PVT. LTD.	BANGALORE
700.	CAPITOL HOSPITAL	SRINAGAR
701.	CAPTRONIC SYSTEMS PVT. LTD.	BANGALORE
702.	CARBONYX ENGINEERING (I) PVT. LTD.	PANAJI
703.	CARBORUNDUM UNIVERSAL LTD.	BANGALORE
704.	CARBORUNDUM UNIVERSAL LTD.	CHENNAI
705.	CARBORUNDUM UNIVERSAL LTD.	COCHIN
706.	CARBORUNDUM UNIVERSAL LTD.	KANCHEEPURAM
707.	CARE HOSPITALS,BANJARA HILLS	HYDERABAD
708.	CARESOFT GLOBAL PVT. LTD.	CHENNAI
709.	CARGOTEC INDIA PVT. LTD.	NAVI MUMBAI
710.	CARGOTEC QATAR WLL	DOHA
711.	CARRARO TECHNOLOGIES INDIA PVT. LTD.	PUNE
712.	CASHEDGE INDIA PVT. LTD.	CHENNAI
713.	CATERPILLAR INDIA PVT. LTD.	ARNI
714.	CATERPILLAR INDIA PVT. LTD.	CHENNAI
715.	CATERPILLAR INDIA PVT. LTD.	COIMBATORE
716.	CATERPILLAR INDIA PVT. LTD.	HOSUR
717.	CATERPILLAR INDIA PVT. LTD.	HYDERABAD
718.	CATERPILLAR INDIA PVT. LTD.	VELLORE
719.	CAVIUM NETWORKS (I) PVT. LTD.	BANGALORE
720.	CAVOTEC ENGG. SERVICES INDIA PVT. LTD.	PUNE
721.	CBI EASTERN ANSTALT	SALEM
722.	CEGELEC OIL & GAS	VIRUDHUNAGAR
723.	CEGELEC OIL & GAS	ABU DHABI
724.	CEGELEC OIL & GAS	VADALUR
725.	CELSTREAM TECHNOLOGIES PVT. LTD.	BANGALORE
726.	CEM SOLUTIONS PVT. LTD.	BANGALORE
727.	CENTUM ELECTRONICS LTD.	BANGALORE
728.	CENTUM RAKON INDIA PVT. LTD.	BANGALORE
729.	CENTURYLINK TECHNOLOGIES INDIA PVT. LTD.	BANGALORE
730.	CERNER HEALTH CARE SOLUTIONS PVT. LTD.	BANGALORE
731.	CG POWER SYSTEMS SAUDI ARABIA LTD.	DAMMAM
732.	CGI INFORMATION SYSTEMS & MANGEMENT CO	BANGALORE
733.	CGI INFORMATION SYSTEMS & MANGEMENT CO	ERODE
734.	CGI INFORMATION SYSTEMS & MANGEMENT CO	HOSUR
735.	CGI INFORMATION SYSTEMS & MANGEMENT CO	HYDERABAD
736.	CGI INFORMATION SYSTEMS & MANGEMENT CO	KADAPA
737.	CGI INFORMATION SYSTEMS & MANGEMENT CO	KOTTAYAM
738.	CGI INFORMATION SYSTEMS & MANGEMENT CO	MUMBAI

739.	CH2M HILL VECO ENGINEERING	ABU DHABI
740.	CH2M HILL VECO ENGINEERING	BANGALORE
741.	CHAIN-SYS (I) PVT. LTD.	CHENNAI
742.	CHAITANYA HI TECH ENGG COMPANY PVT. LTD.	VIRUDHUNAGAR
743.	CHAITANYA PRECI TECH PVT. LTD.	CHENNAI
744.	CHANGEPOND TECHNOLOGIES LTD.	CHENNAI
745.	CHECKTRONIX INDIA PVT. LTD.	CHENNAI
746.	CHECKTRONIX INDIA PVT. LTD.	DHARMAPURI
747.	CHECKTRONIX INDIA PVT. LTD.	TIRUVANNAMALAI
748.	CHEMTROLS INDUSTRIES LTD.	PANAJI
749.	CHEMTROLS INDUSTRIES LTD.	PANJIM
750.	CHEMTROLS INDUSTRIES LTD.	THANE
751.	CHENKUTTAVAN ENGINEERING & CONSULTANCY	THRISSUR
752.	CHENNAI INDUSTRIES	CHENNAI
753.	CHENNAI MEDICAL COLLEGE HOSPITAL & RESEARCH	TIRUCHIRAPPALLI
754.	CHENNAI METCO PVT. LTD.	VILLUPURAM
755.	CHETTINAD CEMENT CORPORATION LTD.	CHENNAI
756.	CHETTINAD CEMENT CORPORATION LTD.	DINDIGUL
757.	CHETTINAD MORIMURA SEMICONDUCTOR MATERIA	CHENNAI
758.	CHEVRON ORONITE PVT. LTD.	SINGAPORE
759.	CHILWORTH TECHNOLOGY P. LTD.	TRICHY
760.	CHIYODA ALMANA ENGINEERING LLC	DOHA
761.	CHOKSI LABORATORY	INDORE
762.	CHOLAMANDALAM MS RISK SERVICES	CHENNAI
763.	CHRISTIAN FELLOWSHIP HOSPITAL	ODDANCHATRAM
764.	CHRISTIAN MEDICAL ASSOCIATION OF INDIA	NEW DELHI
765.	CHRISTIAN MEDICAL COLLEGE & HOSPITAL	VELLORE
766.	CHRONUS SOFTWARE (I) PVT. LTD.	CHENNAI
767.	CHRYSLER INDIA AUTOMOTIVE PVT. LTD.	SATHUPALLY
768.	CHRYSLER INDIA AUTOMOTIVE PVT. LTD.	CHENNAI
769.	CIENA INDIA PVT. LTD.	DELHI
770.	CIENA INDIA PVT. LTD.	FARIDABAD
771.	CIENA INDIA PVT. LTD.	GURGAON
772.	CIENA INDIA PVT. LTD.	NEW DELHI
773.	CIGNEX DATAMATICS	AHMEDABAD
774.	CIGNEX DATAMATICS	GANDHINAGAR
775.	CIPLA LTD.	AHMEDABAD
776.	CIRCOR FLOW TECHNOLOGIES INDIA P LTD.	NAMAKKAL
777.	CISCO SYSTEMS INDIA PVT. LTD.	BANGALORE
778.	CISCO SYSTEMS INDIA PVT. LTD.	CHENNAI
779.	CISCO SYSTEMS INDIA PVT. LTD.	HYDERABAD
780.	CISCO SYSTEMS INDIA PVT. LTD.	KOCHI
781.	CISCO SYSTEMS INDIA PVT. LTD.	LONAVALA
782.	CISCO SYSTEMS INDIA PVT. LTD.	MADURAI
783.	CISCO SYSTEMS INDIA PVT. LTD.	PONDICHERRY
784.	CISCO SYSTEMS INDIA PVT. LTD.	PUNE
785.	CISCO SYSTEMS INDIA PVT. LTD.	TIRUNELVELI
786.	CISCO VIDEO TECHNOLOGIES INDIA PVT. LTD.	KOLLEMCODE
787.	CISCO VIDEO TECHNOLOGIES INDIA PVT. LTD.	BANGALORE
788.	CITRIX R&D INDIA PVT. LTD.	BANGALORE
789.	CITRIX R&D INDIA PVT. LTD.	KOTTAYAM
790.	CKR CONSULTING ENGINEERS	DUBAI
791.	CLARICE TECHNOLOGIES	PUNE
792.	CLARKE SAMADHIN ASSOCIATES	DUBAI
793.	CLASSIC AUTO TUBES LTD.	PUNE
794.	CLASSIC DESIGN ENGINEERING SYSTEM PVT. LTD.	CHENNAI
795.	CLOUDJET LABS	THRISSUR
796.	CLOVER INFOTECH PVT. LTD.	SHRIRAMPUR
797.	CLOVER INFOTECH PVT. LTD.	MUMBAI
798.	CMA SYSTEMS FZ LLC	DUBAI
799.	CMC LTD.	CHENNAI
800.	CMC LTD.	HYDERABAD

801.	CMC LTD.	SONEPAT
802.	CMC LTD.	TIRUMALAGIRI
803.	CMS INFOSYSTEM	NOIDA
804.	CNO IT SERVICES (I) PVT. LTD.	HYDERABAD
805.	COASTAL GUJARAT POWER LTD.	MUNDRA
806.	COCOON HOSPITAL	JAIPUR
807.	CODENOMICON SOFTWARE INDIA PVT. LTD.	NEW DELHI
808.	COGNIZANT TECHNOLOGY SOLUTIONS	ALAPPUZHA
809.	COGNIZANT TECHNOLOGY SOLUTIONS	ALIBAG
810.	COGNIZANT TECHNOLOGY SOLUTIONS	AMBUR
811.	COGNIZANT TECHNOLOGY SOLUTIONS	AMRAVATI
812.	COGNIZANT TECHNOLOGY SOLUTIONS	ANUPURAM
813.	COGNIZANT TECHNOLOGY SOLUTIONS	ARAKKONAM
814.	COGNIZANT TECHNOLOGY SOLUTIONS	ARIYALUR
815.	COGNIZANT TECHNOLOGY SOLUTIONS	ARNI
816.	COGNIZANT TECHNOLOGY SOLUTIONS	ASANSOL
817.	COGNIZANT TECHNOLOGY SOLUTIONS	ASHBURN
818.	COGNIZANT TECHNOLOGY SOLUTIONS	ATLANTA
819.	COGNIZANT TECHNOLOGY SOLUTIONS	AURANGABAD
820.	COGNIZANT TECHNOLOGY SOLUTIONS	AUSTIN
821.	COGNIZANT TECHNOLOGY SOLUTIONS	BADLAPUR
822.	COGNIZANT TECHNOLOGY SOLUTIONS	BAGALUR
823.	COGNIZANT TECHNOLOGY SOLUTIONS	BANGALORE
824.	COGNIZANT TECHNOLOGY SOLUTIONS	BAREILLY
825.	COGNIZANT TECHNOLOGY SOLUTIONS	BELLEVUE
826.	COGNIZANT TECHNOLOGY SOLUTIONS	BENTONVILLE
827.	COGNIZANT TECHNOLOGY SOLUTIONS	BERHAMPORE
828.	COGNIZANT TECHNOLOGY SOLUTIONS	BHIWANI
829.	COGNIZANT TECHNOLOGY SOLUTIONS	BHOPAL
830.	COGNIZANT TECHNOLOGY SOLUTIONS	BIJAPUR
831.	COGNIZANT TECHNOLOGY SOLUTIONS	BOKARO
832.	COGNIZANT TECHNOLOGY SOLUTIONS	BOTHELL
833.	COGNIZANT TECHNOLOGY SOLUTIONS	BUFFALO GROVE
834.	COGNIZANT TECHNOLOGY SOLUTIONS	BURGESS HILL
835.	COGNIZANT TECHNOLOGY SOLUTIONS	CARNEGIE
836.	COGNIZANT TECHNOLOGY SOLUTIONS	CHARLOTTE
837.	COGNIZANT TECHNOLOGY SOLUTIONS	CHATTANOOGA
838.	COGNIZANT TECHNOLOGY SOLUTIONS	CHENNAI
839.	COGNIZANT TECHNOLOGY SOLUTIONS	CHESTERFIELD
840.	COGNIZANT TECHNOLOGY SOLUTIONS	CHITTOOR
841.	COGNIZANT TECHNOLOGY SOLUTIONS	CLAYMONT
842.	COGNIZANT TECHNOLOGY SOLUTIONS	COCHIN
843.	COGNIZANT TECHNOLOGY SOLUTIONS	COIMBATORE
844.	COGNIZANT TECHNOLOGY SOLUTIONS	CROYDON
845.	COGNIZANT TECHNOLOGY SOLUTIONS	CUDDALORE
846.	COGNIZANT TECHNOLOGY SOLUTIONS	CUTTACK
847.	COGNIZANT TECHNOLOGY SOLUTIONS	DAVANGERE
848.	COGNIZANT TECHNOLOGY SOLUTIONS	DEARBORN
849.	COGNIZANT TECHNOLOGY SOLUTIONS	DELHI
850.	COGNIZANT TECHNOLOGY SOLUTIONS	DEORIA
851.	COGNIZANT TECHNOLOGY SOLUTIONS	DEWAS
852.	COGNIZANT TECHNOLOGY SOLUTIONS	DHANBAD
853.	COGNIZANT TECHNOLOGY SOLUTIONS	DHARMAPURI
854.	COGNIZANT TECHNOLOGY SOLUTIONS	DINDIGUL
855.	COGNIZANT TECHNOLOGY SOLUTIONS	DOMBIVILI
856.	COGNIZANT TECHNOLOGY SOLUTIONS	DURGAPUR
857.	COGNIZANT TECHNOLOGY SOLUTIONS	EAGAN
858.	COGNIZANT TECHNOLOGY SOLUTIONS	ERNAKULAM
859.	COGNIZANT TECHNOLOGY SOLUTIONS	ERODE
860.	COGNIZANT TECHNOLOGY SOLUTIONS	FAIZABAD
861.	COGNIZANT TECHNOLOGY SOLUTIONS	FARIDABAD
862.	COGNIZANT TECHNOLOGY SOLUTIONS	GLEN ELLYN

863.	COGNIZANT TECHNOLOGY SOLUTIONS	GLENDALE
864.	COGNIZANT TECHNOLOGY SOLUTIONS	GOBICHETTIPALAYAM
865.	COGNIZANT TECHNOLOGY SOLUTIONS	GREATER NOIDA
866.	COGNIZANT TECHNOLOGY SOLUTIONS	GUDUVANCHERRY
867.	COGNIZANT TECHNOLOGY SOLUTIONS	GURGAON
868.	COGNIZANT TECHNOLOGY SOLUTIONS	HALIFAX
869.	COGNIZANT TECHNOLOGY SOLUTIONS	HALISAHAR
870.	COGNIZANT TECHNOLOGY SOLUTIONS	HDYERABAD
871.	COGNIZANT TECHNOLOGY SOLUTIONS	HENRICO
872.	COGNIZANT TECHNOLOGY SOLUTIONS	HOOGLY
873.	COGNIZANT TECHNOLOGY SOLUTIONS	HOSUR
874.	COGNIZANT TECHNOLOGY SOLUTIONS	HOUNSLOW
875.	COGNIZANT TECHNOLOGY SOLUTIONS	HOWRAH
876.	COGNIZANT TECHNOLOGY SOLUTIONS	HYDERABAD
877.	COGNIZANT TECHNOLOGY SOLUTIONS	INDORE
878.	COGNIZANT TECHNOLOGY SOLUTIONS	JABALPUR
879.	COGNIZANT TECHNOLOGY SOLUTIONS	JAIPUR
880.	COGNIZANT TECHNOLOGY SOLUTIONS	JALGAON
881.	COGNIZANT TECHNOLOGY SOLUTIONS	JAMSHEDPUR
882.	COGNIZANT TECHNOLOGY SOLUTIONS	JOLARPETTAI
883.	COGNIZANT TECHNOLOGY SOLUTIONS	KALYAN
884.	COGNIZANT TECHNOLOGY SOLUTIONS	KANCHEEPURAM
885.	COGNIZANT TECHNOLOGY SOLUTIONS	KANNUR
886.	COGNIZANT TECHNOLOGY SOLUTIONS	KANTABANJI
887.	COGNIZANT TECHNOLOGY SOLUTIONS	KARAIKUDI
888.	COGNIZANT TECHNOLOGY SOLUTIONS	KARUR
889.	COGNIZANT TECHNOLOGY SOLUTIONS	KAYALPATNAM
890.	COGNIZANT TECHNOLOGY SOLUTIONS	KHAMMAM
891.	COGNIZANT TECHNOLOGY SOLUTIONS	KOCHI
892.	COGNIZANT TECHNOLOGY SOLUTIONS	KOLHAPUR
893.	COGNIZANT TECHNOLOGY SOLUTIONS	KOLKATA
894.	COGNIZANT TECHNOLOGY SOLUTIONS	KOLLAM
895.	COGNIZANT TECHNOLOGY SOLUTIONS	KOTTAYAM
896.	COGNIZANT TECHNOLOGY SOLUTIONS	KOZHICODE
897.	COGNIZANT TECHNOLOGY SOLUTIONS	KRISHNAGAR
898.	COGNIZANT TECHNOLOGY SOLUTIONS	KRISHNAGIRI
899.	COGNIZANT TECHNOLOGY SOLUTIONS	KUALA LUMPUR
900.	COGNIZANT TECHNOLOGY SOLUTIONS	KUMBAKONAM
901.	COGNIZANT TECHNOLOGY SOLUTIONS	LAUREL
902.	COGNIZANT TECHNOLOGY SOLUTIONS	LOUISVILLE
903.	COGNIZANT TECHNOLOGY SOLUTIONS	MADURAI
904.	COGNIZANT TECHNOLOGY SOLUTIONS	MAINPURI
905.	COGNIZANT TECHNOLOGY SOLUTIONS	MALAPPURAM
906.	COGNIZANT TECHNOLOGY SOLUTIONS	MANCHESTER
907.	COGNIZANT TECHNOLOGY SOLUTIONS	MANGALORE
908.	COGNIZANT TECHNOLOGY SOLUTIONS	MANWATH
909.	COGNIZANT TECHNOLOGY SOLUTIONS	MARGAO
910.	COGNIZANT TECHNOLOGY SOLUTIONS	MAVELIKARA
911.	COGNIZANT TECHNOLOGY SOLUTIONS	MEDARAMETLA
912.	COGNIZANT TECHNOLOGY SOLUTIONS	MELBOURNE
913.	COGNIZANT TECHNOLOGY SOLUTIONS	MORADABAD
914.	COGNIZANT TECHNOLOGY SOLUTIONS	MORRISVILLE
915.	COGNIZANT TECHNOLOGY SOLUTIONS	MUMBAI
916.	COGNIZANT TECHNOLOGY SOLUTIONS	NAGERCOIL
917.	COGNIZANT TECHNOLOGY SOLUTIONS	NAGPUR
918.	COGNIZANT TECHNOLOGY SOLUTIONS	NAMAKKAL
919.	COGNIZANT TECHNOLOGY SOLUTIONS	NASHIK
920.	COGNIZANT TECHNOLOGY SOLUTIONS	NELLORE
921.	COGNIZANT TECHNOLOGY SOLUTIONS	NEW DELHI
922.	COGNIZANT TECHNOLOGY SOLUTIONS	NEWARK
923.	COGNIZANT TECHNOLOGY SOLUTIONS	NILAKOTTAI
924.	COGNIZANT TECHNOLOGY SOLUTIONS	ORLANDO

925.	COGNIZANT TECHNOLOGY SOLUTIONS	PALAKKAD
926.	COGNIZANT TECHNOLOGY SOLUTIONS	PATNA
927.	COGNIZANT TECHNOLOGY SOLUTIONS	PERAMBALUR
928.	COGNIZANT TECHNOLOGY SOLUTIONS	PLAINSBORO
929.	COGNIZANT TECHNOLOGY SOLUTIONS	PLANO
930.	COGNIZANT TECHNOLOGY SOLUTIONS	PONDICHERRY
931.	COGNIZANT TECHNOLOGY SOLUTIONS	PUDUKKOTTAI
932.	COGNIZANT TECHNOLOGY SOLUTIONS	PUNE
933.	COGNIZANT TECHNOLOGY SOLUTIONS	QUINCY
934.	COGNIZANT TECHNOLOGY SOLUTIONS	RANCHI
935.	COGNIZANT TECHNOLOGY SOLUTIONS	RISHRA
936.	COGNIZANT TECHNOLOGY SOLUTIONS	SALEM
937.	COGNIZANT TECHNOLOGY SOLUTIONS	SANTA CLARA
938.	COGNIZANT TECHNOLOGY SOLUTIONS	SATANA
939.	COGNIZANT TECHNOLOGY SOLUTIONS	SECUNDERABAD
940.	COGNIZANT TECHNOLOGY SOLUTIONS	SERAMPORE
941.	COGNIZANT TECHNOLOGY SOLUTIONS	SHAMSHABAD
942.	COGNIZANT TECHNOLOGY SOLUTIONS	SHIRPUR
943.	COGNIZANT TECHNOLOGY SOLUTIONS	SINGAPORE
944.	COGNIZANT TECHNOLOGY SOLUTIONS	SIRUSERI
945.	COGNIZANT TECHNOLOGY SOLUTIONS	SIVAKASI
946.	COGNIZANT TECHNOLOGY SOLUTIONS	SOMERSET
947.	COGNIZANT TECHNOLOGY SOLUTIONS	STRONGSVILLE
948.	COGNIZANT TECHNOLOGY SOLUTIONS	TAMBARAM
949.	COGNIZANT TECHNOLOGY SOLUTIONS	TENKASI
950.	COGNIZANT TECHNOLOGY SOLUTIONS	THANE
951.	COGNIZANT TECHNOLOGY SOLUTIONS	THANJAVUR
952.	COGNIZANT TECHNOLOGY SOLUTIONS	THENI
953.	COGNIZANT TECHNOLOGY SOLUTIONS	THIRUVALLA
954.	COGNIZANT TECHNOLOGY SOLUTIONS	THIRUVALLUR
955.	COGNIZANT TECHNOLOGY SOLUTIONS	THODUPUZZHA
956.	COGNIZANT TECHNOLOGY SOLUTIONS	THORAIPAKKAM
957.	COGNIZANT TECHNOLOGY SOLUTIONS	THRISSUR
958.	COGNIZANT TECHNOLOGY SOLUTIONS	TIRUCHENGODE
959.	COGNIZANT TECHNOLOGY SOLUTIONS	TIRUCHIRAPPALLI
960.	COGNIZANT TECHNOLOGY SOLUTIONS	TIRUKOVILUR
961.	COGNIZANT TECHNOLOGY SOLUTIONS	TIRUNELVELI
962.	COGNIZANT TECHNOLOGY SOLUTIONS	TIRUPUR
963.	COGNIZANT TECHNOLOGY SOLUTIONS	TIRUVANNAMALAI
964.	COGNIZANT TECHNOLOGY SOLUTIONS	TRICHY
965.	COGNIZANT TECHNOLOGY SOLUTIONS	TRIVANDRUM
966.	COGNIZANT TECHNOLOGY SOLUTIONS	TULJAPUR
967.	COGNIZANT TECHNOLOGY SOLUTIONS	TUSTIN
968.	COGNIZANT TECHNOLOGY SOLUTIONS	UDAIPUR
969.	COGNIZANT TECHNOLOGY SOLUTIONS	UDGIR
970.	COGNIZANT TECHNOLOGY SOLUTIONS	UTRECHT
971.	COGNIZANT TECHNOLOGY SOLUTIONS	UTTARPARA
972.	COGNIZANT TECHNOLOGY SOLUTIONS	VELLORE
973.	COGNIZANT TECHNOLOGY SOLUTIONS	VERNON
974.	COGNIZANT TECHNOLOGY SOLUTIONS	VIJAYAWADA
975.	COGNIZANT TECHNOLOGY SOLUTIONS	VILLUPURAM
976.	COGNIZANT TECHNOLOGY SOLUTIONS	VIRUDHUNAGAR
977.	COGNIZANT TECHNOLOGY SOLUTIONS	VISAKHAPATNAM
978.	COGNIZANT TECHNOLOGY SOLUTIONS	WALNUT CREEK
979.	COGNIZANT TECHNOLOGY SOLUTIONS	WARANGAL
980.	COGNIZANT TECHNOLOGY SOLUTIONS	WAUKEGAN
981.	COGNIZANT TECHNOLOGY SOLUTIONS	WAYANAD
982.	COGNIZANT TECHNOLOGY SOLUTIONS	WEST DES MOINES
983.	COGNIZANT TECHNOLOGY SOLUTIONS	WOODBURY
984.	COGNIZANT TECHNOLOGY SOLUTIONS	YAVATMAL
985.	COLDFIRE DESIGN STUDIO PVT. LTD.	ROPAR
986.	COLGATE GLOBAL BUSINESS SERVICES PVT. LTD.	THANE

987.	COLGATE GLOBAL BUSINESS SERVICES PVT. LTD.	MUMBAI
988.	COLGATE GLOBAL BUSINESS SERVICES PVT. LTD.	NAVI MUMBAI
989.	COLLABERA TECHNOLOGIES PVT. LTD.	BANGALORE
990.	COLLABNET SOFTWARE PVT. LTD.	CHENNAI
991.	COLT TECHNOLOGY SERVICES	BANGALORE
992.	COLUMN SOFTWARE TECHNOLOGIES PVT. LTD.	PUNE
993.	COMGUARD FZ LLC	MUMBAI
994.	COMMTEL NETWORKS PVT. LTD.	MUMBAI
995.	COMMVault SYSTEMS INDIA PVT. LTD.	BANGALORE
996.	COMMVault SYSTEMS INDIA PVT. LTD.	CHENNAI
997.	COMMVault SYSTEMS INDIA PVT. LTD.	COIMBATORE
998.	COMPACT SOFTECH PVT. LTD.	AHMEDNAGAR
999.	COMPASS ENGINEERING SERVICES LLC	THRISSUR
1000.	COMPUCOM SOFTWARES LTD.	JAIPUR
1001.	COMPUTER SCIENCES CORPORATION INDIA PVT. LTD.	BANGALORE
1002.	COMPUTER SCIENCES CORPORATION INDIA PVT. LTD.	BAREILLY
1003.	COMPUTER SCIENCES CORPORATION INDIA PVT. LTD.	CHENNAI
1004.	COMPUTER SCIENCES CORPORATION INDIA PVT. LTD.	CUDDALORE
1005.	COMPUTER SCIENCES CORPORATION INDIA PVT. LTD.	DINDIGUL
1006.	COMPUTER SCIENCES CORPORATION INDIA PVT. LTD.	GHAZIABAD
1007.	COMPUTER SCIENCES CORPORATION INDIA PVT. LTD.	HYDERABAD
1008.	COMPUTER SCIENCES CORPORATION INDIA PVT. LTD.	LUCKNOW
1009.	COMPUTER SCIENCES CORPORATION INDIA PVT. LTD.	MACHILIPATNAM
1010.	COMPUTER SCIENCES CORPORATION INDIA PVT. LTD.	MUMBAI
1011.	COMPUTER SCIENCES CORPORATION INDIA PVT. LTD.	NEW DELHI
1012.	COMPUTER SCIENCES CORPORATION INDIA PVT. LTD.	NOIDA
1013.	COMPUTER SCIENCES CORPORATION INDIA PVT. LTD.	SRI GANGANAGAR
1014.	COMPUTER SCIENCES CORPORATION INDIA PVT. LTD.	TAMBARAM
1015.	COMPUTER SCIENCES CORPORATION INDIA PVT. LTD.	TRICHY
1016.	COMPUTER SCIENCES CORPORATION INDIA PVT. LTD.	VELLORE
1017.	COMVERSE NETWORK SYSTEMS	GURGAON
1018.	CONSOLIDATED CONTRACTORS COMPANY	SALEM
1019.	CONSOLIDATED CONTRACTORS COMPANY	SRIKALAHASTI
1020.	CONSOLIDATED CONTRACTORS COMPANY	ABU DHABI
1021.	CONSTRUCTION DEVELOPMENT COMPANY	CHENNAI
1022.	CONSTRUCTION DEVELOPMENT COMPANY	DOHA
1023.	CONSTRUCTION DEVELOPMENT COMPANY	NEMILI
1024.	CONTINENTAL DATA GRAPHIES PVT. LTD.	CHENNAI
1025.	CONTINENTAL INDIA LTD.	FARIDABAD
1026.	CONTROL COMPONENT INDIA PVT. LTD.	CHENNAI
1027.	CONTROL CONTRACTING & TRADING COMPANY	ABU DHABI
1028.	CONVERGYS IMG	HYDERABAD
1029.	CONVERTEAM EDC PVT. LTD.	CHENNAI
1030.	COOKSON INDIA PVT. LTD.	CUDDALORE
1031.	COOPER STANDARD AUTOMOTIVES	GHAZIABAD
1032.	CORDYS UK LTD.	KANNUR
1033.	COREN TECHNO-MECH PVT. LTD.	BANGALORE
1034.	COROB INDIA PVT. LTD.	DHULE
1035.	COROMANDEL INTERNATIONAL LTD.	ANKLESHWAR
1036.	COROMANDEL INTERNATIONAL LTD.	CHENNAI
1037.	CORPORATE EXECUTIVE BOARD	CHENNAI
1038.	CORPORATE EXECUTIVE BOARD	PILANI
1039.	COSMA INTERNATIONAL INDIA PVT. LTD.	CHENNAI
1040.	COSTRATEGIX TECHNOLOGIES PVT. LTD.	SALEM
1041.	COTMAC ELECTRONICS PVT. LTD.	PUNE
1042.	COVALENSE TECHNOLOGIES PVT. LTD.	VISAKHAPATNAM
1043.	COVANSYS A CSC COMPANY	CHENNAI
1044.	COVANSYS INDIA PVT. LTD.	BANGALORE
1045.	COVIDIEN ENGINEERING SERVICES PVT. LTD.	HYDERABAD
1046.	CREATIVE BUSINESS LABS PVT. LTD.	NEW DELHI
1047.	CREATIVE CONNECTION PVT. LTD.	MARGAO
1048.	CREATIVE SYNERGIES GROUP	BANGALORE

1049.	CREDIT INFORMATION BUREAU INDIA LTD.	NAVI MUMBAI
1050.	CREDIT SUISSE SERVICES (I) PVT. LTD.	PUNE
1051.	CREO-INVENT TECHNOLOGIES PVT. LTD.	PUNE
1052.	CRESTECH SOFTWARE SYSTEM	DELHI
1053.	CRI PUMPS PVT. LTD.	COIMBATORE
1054.	CROMPTON GRAVES LTD.	NASHIK
1055.	CROMPTON GREAVES LTD.	KOLKATA
1056.	CRYOGEN INSTRUMENTS INDIA PVT. LTD.	THANE
1057.	CSC INDIA PVT. LTD.	AGRA
1058.	CSC INDIA PVT. LTD.	BANGALORE
1059.	CSC INDIA PVT. LTD.	CHENNAI
1060.	CSC INDIA PVT. LTD.	COIMBATORE
1061.	CSC INDIA PVT. LTD.	CUDDALORE
1062.	CSC INDIA PVT. LTD.	DELHI
1063.	CSC INDIA PVT. LTD.	GHAZIABAD
1064.	CSC INDIA PVT. LTD.	GURGAON
1065.	CSC INDIA PVT. LTD.	HOSUR
1066.	CSC INDIA PVT. LTD.	HYDERABAD
1067.	CSC INDIA PVT. LTD.	NEW DELHI
1068.	CSC INDIA PVT. LTD.	NOIDA
1069.	CSC INDIA PVT. LTD.	PALAMPUR
1070.	CSC INDIA PVT. LTD.	SALEM
1071.	CSC INDIA PVT. LTD.	SECUNDERABAD
1072.	CSR INDIA PVT. LTD.	BANGALORE
1073.	CTR MANUFACTURING INDUSTRIES LTD.	AURANGABAD
1074.	CUE BLOCKS TECHNOLOGIES PVT. LTD.	LUDHIANA
1075.	CULLIGAN INTERNATIONAL (EMIRATES) LLC	DUBAI
1076.	CUMMINS EMISSION SOLUTION , DIV OF CUMMI	PUNE
1077.	CUMMINS INDIA LTD.	DAMAN
1078.	CUMMINS INDIA LTD.	PUNE
1079.	CUMMINS INDIA LTD.	PHALTAN
1080.	CUMMINS MIDDLE EAST	JEBEL ALI
1081.	CUMMINS MIDDLE EAST FZE	DUBAI
1082.	CUSTOMER ANALYTICS INDIA PVT. LTD.	CHENNAI
1083.	CYBAGE SOFTWARE PVT. LTD.	HYDERABAD
1084.	CYBAGE SOFTWARE PVT. LTD.	PUNE
1085.	CYIENT LTD.	BANGALORE
1086.	CYIENT LTD.	HYDERABAD
1087.	CYIENT LTD.	MEDAK
1088.	CYLINGAS COMPANY LLC	DUBAI
1089.	CYPRESS SEMICONDUCTOR TECHNOLOGY INDIA PVT. LTD.	BANGALORE
1090.	D.E. SHAW INDIA SOFTWARE PVT. LTD.	HYDERABAD
1091.	D.E. SHAW INDIA SOFTWARE PVT. LTD.	SHIMOGA
1092.	DAELIM INDUSTRIAL CO LTD.	KOLKATA
1093.	DAESUNG ELECTRIC INDIA PVT. LTD.	CHENNAI
1094.	DAIMLER INDIA COMMERCIAL VEHICLE PVT. LTD.	CHENNAI
1095.	DAIMLER INDIA COMMERCIAL VEHICLE PVT. LTD.	WALAJAPET
1096.	DAKSHIN SPEAKER MANUFACTURING PVT. LTD.	CHENNAI
1097.	DALMIA CEMENT (BHARAT) LTD.	CHENNAI
1098.	DALMIA CEMENT (BHARAT) LTD.	JAMMALAMADUGU
1099.	DALMIA CEMENT (BHARAT) LTD.	SALEM
1100.	DALMIA CEMENT (BHARAT) LTD.	SIRKALI
1101.	DAMCO SOLUTIONS PVT. LTD.	FARIDABAD
1102.	DANA INDIA PVT. LTD.	PUNE
1103.	DANA SPICER INDIA LTD.	PUNE
1104.	DANFOSS POWER SOLUTIONS INDIA PVT. LTD.	PUNE
1105.	DANIELI INDIA LTD.	KOLKATA
1106.	DANTAL HYDRAULICS PVT. LTD.	GURGAON
1107.	DANWAY EME LLC	DUBAI
1108.	DAR AL RIYADH	CHENNAI
1109.	DASSAULT SYSTEMES INDIA PVT. LTD.	BANGALORE
1110.	DATA101 SOLUTIONS PVT. LTD.	ONGOLE

1111.	DATAMATICS VISTA INFO SYSTEMS LTD.	CHENNAI
1112.	DATAPROCTOR PVT. LTD.	MUMBAI
1113.	DATTA MEGHE INSTITUTE OF MEDICAL SCIENCE	NAGPUR
1114.	DAVIS SOFTWARE SOLUTIONS PVT. LTD.	HYDERABAD
1115.	DAYALBAGH UNIVERSITY	AGRA
1116.	DB XENTO SYSTESMS PVT. LTD.	PUNE
1117.	DBQ TECHNOLOGIES PVT. LTD.	BANGALORE
1118.	DBXENTO SYSTEMS	NASHIK
1119.	DEEPTI ELECTRONICS & ELECTRO - OPTICS PV	BANGALORE
1120.	DEEYA ENERGY INDIA PVT. LTD.	GURGAON
1121.	DEFENCE LAND SYSTEM INDIA PVT. LTD.	FARIDABAD
1122.	DEFENCE MINISTRY	SECUNDERABAD
1123.	DEFENCE R&D ORGANISATION	DELHI
1124.	DEFENCE RESEARCH & DEVELOPMENT LABORATORY	HYDERABAD
1125.	DEFIANCE TECHNOLOGIES	CHENNAI
1126.	DEGREMONT LTD.	NEW DELHI
1127.	DELCAM SOFTWARE (INDIA) PVT. LTD.	PUNE
1128.	DELL FORCE10 NETWORKING	CHENNAI
1129.	DELL INC	TADIPATRI
1130.	DELL INDIA PVT. LTD.	BANGALORE
1131.	DELL INDIA PVT. LTD.	CHENNAI
1132.	DELL INDIA PVT. LTD.	CHICKBALLAPUR
1133.	DELL INDIA PVT. LTD.	KANCHIPURAM
1134.	DELL INDIA PVT. LTD.	MANDYA
1135.	DELL INDIA PVT. LTD.	NOIDA
1136.	DELL INDIA PVT. LTD.	TUMKUR
1137.	DELL INTERNATIONAL PVT. LTD.	BANGALORE
1138.	DELL SONICWALL INFO SECURITY PVT. LTD.	BANGALORE
1139.	DELLNER INDIA PVT. LTD.	CHENNAI
1140.	DELOITTE CONSULTING INDIA PVT. LTD.	BANGALORE
1141.	DELOITTE CONSULTING INDIA PVT. LTD.	GWALIOR
1142.	DELOITTE CONSULTING INDIA PVT. LTD.	HYDERABAD
1143.	DELOITTE CONSULTING INDIA PVT. LTD.	NEW DELHI
1144.	DELPHI AUTOMOTIVE SYSTEMS PVT. LTD.	BANGALORE
1145.	DELPHI AUTOMOTIVE SYSTEMS PVT. LTD.	DELHI
1146.	DELPHI AUTOMOTIVE SYSTEMS PVT. LTD.	HYDERABAD
1147.	DELPHI AUTOMOTIVE SYSTEMS PVT. LTD.	ONGOLE
1148.	DELPHI AUTOMOTIVE SYSTEMS PVT. LTD.	REWARI
1149.	DELPHI AUTOMOTIVE SYSTEMS PVT. LTD.	SALEM
1150.	DELPHI AUTOMOTIVE SYSTEMS PVT. LTD.	TRIVANDRUM
1151.	DELPHI TVS DIESEL SYSTEMS LTD.	CHENNAI
1152.	DELPHI TVS DIESEL SYSTEMS LTD.	COIMBATORE
1153.	DELTA (DOHA) CORPORATION	DOHA
1154.	DELTA EMBEDDED SOLUTIONS PVT. LTD.	BARAMATI
1155.	DENSO HARYANA INDIA PVT. LTD.	MOHINDER GARH
1156.	DENSO INDIA LTD.	DELHI
1157.	DENSO INDIA LTD.	NANGLOI
1158.	DENSO KIRLOSKAR INDUSTRIES PVT. LTD.	BANGALORE
1159.	DEODITA TECHNOLOGIES	MUMBAI
1160.	DESICREW SOLUTIONS PVT. LTD.	CHENNAI
1161.	DET NORSKE VERITAS AS	THIRUVANNAMALAI
1162.	DEUTSCH INDIA POWER CONNECTORS PVT. LTD.	KANNUR
1163.	DEVELOPMENT CONSULTANTS PVT. LTD.	KOLKATA
1164.	DG INFOTECH CONSULTANCY LLC LTD.	PUNE
1165.	DHANLAXMI BANK	BANGALORE
1166.	DIAMLER FINANCIAL SERVICES INDIA PVT. LTD.	CHENNAI
1167.	DICKINSON FOWLER PVT.LTD	HOSUR
1168.	DIEBOLD INDIA PVT. LTD.	PONDA
1169.	DIEBOLD SOFTWARE SERVICES LTD.	HYDERABAD
1170.	DIFACTO ROBOTICS & AUTOMATION PVT. LTD.	VELLORE
1171.	DIGIMAKER INDIA PVT. LTD.	BANGALORE
1172.	DIGITAL DREAMS,CHENNAI	CUDDALORE

1173.	DIGITAL INSIGHT INDIA PRODUCTS PVT. LTD.	BANGALORE
1174.	DIMENSION DATA INDIA LTD.	BANGALORE
1175.	DIMENSIONS CONSULTANTS	MUMBAI
1176.	DINSHAWS DAIRY FOODS LTD.	NAGPUR
1177.	DIRECTOR OF HEALTH	HYDERABAD
1178.	DIVGIWARNER PVT. LTD.	PUNE
1179.	DMG MORISEIKI INDIA MACHINES & SERVICE	AHMEDABAD
1180.	DNATA (EMIRATES GROUP)	DUBAI
1181.	DNB MANAGEMENT APPLICATIONS	HOSUR
1182.	DODSAL E&C PTE. LTD.	BHUBANESWAR
1183.	DODSAL E&C PTE. LTD.	VILLUPURAM
1184.	DOLPHIN ENERGY LTD.	DOHA
1185.	DOOSAN CHENNAI WORKS PVT. LTD.	CHENNAI
1186.	DOOSAN INFRACORE	CHENNAI
1187.	DOOSAN POWER SYSTEMS INDIA PVT. LTD.	CHENNAI
1188.	DOVER INDIA PVT. LTD.	BANGALORE
1189.	DOVER INDIA PVT. LTD.	CHENNAI
1190.	DOVER INDIA PVT. LTD.	HYDERABAD
1191.	DOW CHEMICAL INTERNATIONAL PVT. LTD.	CHENNAI
1192.	DOW CHEMICAL INTERNATIONAL PVT. LTD.	SINGAPORE
1193.	DR. L H HIRANANDANI HOSPITAL	MUMBAI
1194.	DR. REDDY'S LABORATORIES LTD.	HYDERABAD
1195.	DRAKE & SCULL INTERNATIONAL LLC	KANYAKUMARI
1196.	DRESSER VALVE INDIA PVT. LTD.	COIMBATORE
1197.	DS MAX PROPERTIES (P) LTD.	BANGALORE
1198.	DST BLUEDOOR PTY LTD.	BANGALORE
1199.	DST WORLDWIDE SERVICES	WARANGAL
1200.	DUBAI AIRPORT FREEZONE	DUBAI
1201.	DUBAI ALUMINIUM COMPANY	DUBAI
1202.	DUBAI CABLE COMPANY	DUBAI
1203.	DUBAI ELECTRICITY & WATER AUTHORITY	JEBEL ALI
1204.	DUFIL PRIMA FOODS PLC	BHUBANESWAR
1205.	DURR INDIA PVT. LTD.,	CHENNAI
1206.	DUTCO MC CONNELL DOWELL	DUBAI
1207.	DUTCO MCCONNELL DOWELL QATAR L.L.C	TIRUCHIRAPPALLI
1208.	DYANSYS INDIA PVT. LTD.	CHENNAI
1209.	DYNACAST SINGAPORE PTE LTD.	JURONG WEST
1210.	DYNASPEDE INTEGRATED SYSTEMS P LTD.	BANGALORE
1211.	DYNATRADE AUTOMOTIVE LLC	SHARJAH
1212.	E.I.D.PARRY INDIA LTD.	CHENNAI
1213.	E.I.DUPONT INDIA PVT. LTD.	VADODARA
1214.	E2INFOSYSTEMS PVT. LTD.	VELLORE
1215.	EAGLEBURGMANN (MALAYSIA) SDN BHD	MADURAI
1216.	EASI ENGINEERING, ALLEGIS SERVICES	TRICHY
1217.	EASUN REYROLLE LTD.	COIMBATORE
1218.	EASYTALK COMMUNICATIONS PVT. LTD.	HANUMANGARH
1219.	EATON POWER QUALITY PVT. LTD.	MUMBAI
1220.	EATON TECHNOLOGIES PVT. LTD.	AHMEDNAGAR
1221.	EATON TECHNOLOGIES PVT. LTD.	KOPPAL
1222.	EATON TECHNOLOGIES PVT. LTD.	NEW DELHI
1223.	EATON TECHNOLOGIES PVT. LTD.	PUNE
1224.	EATON TECHNOLOGIES PVT. LTD.	TULJAPUR
1225.	EBAY PAYPAL INDIA PVT. LTD.	BANGALORE
1226.	EBIZNEEDS INTERNET SOLUTIONS PVT. LTD.	JAIPUR
1227.	EBORN CONSULTING PVT. LTD.	NALASOPARA
1228.	EC SOFTWARE INDIA	CHENNAI
1229.	ECI TELECOM INDIA PVT. LTD.	BANGALORE
1230.	ECI TELECOM INDIA PVT. LTD.	CHENNAI
1231.	ECI TELECOM INDIA PVT. LTD.	TOHANA
1232.	ECIL RAPISCAN LTD.	AHMEDABAD
1233.	ECLERX SERVICE LTD.	PUNE
1234.	ECLINICAL WORKS INDIA PVT. LTD.	JAIPUR

1235.	ECLINICAL WORKS INDIA PVT. LTD.	NAVI MUMBAI
1236.	ECOLAB FOOD SAFETY & HYGIENE SOLUTION PVT. LTD.	MANNARGUDI
1237.	ECOLOGIKOL ADVISORS INDIA PVT. LTD.	CHENNAI
1238.	ECON METALLIC INDIA PVT. LTD.	MOHALI
1239.	E-CONNECT SOLUTIONS PVT. LTD.	UDAIPUR
1240.	ECOTECH IT SOLUTIONS PVT. LTD.	MUMBAI
1241.	EDUTECH MIDDLE EAST LLC	DUBAI
1242.	E-EMPHASYS SYSTEMS LTD.	DOMBIVLI
1243.	EFFECTIVE TELESERVICES PVT. LTD.	AHMEDABAD
1244.	EGESTALT TECHNOLOGIES PVT. LTD.	BANGALORE
1245.	EICHER ENGINEERING COMPONENTS DEWAS	INDORE
1246.	EICHER TRACTORS	BHOPAL
1247.	EICHER TRACTORS (TMTL)	HINGOLI
1248.	EIMCO ELECON (I) LTD.	KARAMSAD
1249.	E-INFOCHIPS PVT. LTD.	AHMEDABAD
1250.	E-INFOCHIPS PVT. LTD.	HALVAD
1251.	E-INFOCHIPS PVT. LTD.	PUNE
1252.	E-INFOCHIPS PVT. LTD.	SOLAPUR
1253.	EIQNETWORKS LTD.	HYDERABAD
1254.	EISYSTEMS SERVICES	MATHURA
1255.	ELCOM INDIA PVT. LTD.	COIMBATORE
1256.	ELCOME INTERNATIONAL LLC	DUBAI
1257.	ELCOME INTERNATIONAL LLC	JABALALI
1258.	ELCOSOFT PVT. LTD.	GURGAON
1259.	ELECTRA CARD SERVICES PVT. LTD.	CHENNAI
1260.	ELECTRA CARD SERVICES PVT. LTD.	PUNE
1261.	ELECTRO INDUSTRIES	DUBAI
1262.	ELECTRO MECHANICAL SERVICES LLC	RUWI
1263.	ELECTRO PHOENIX CONSULTING LLP.	PUNE
1264.	ELECTROARC CONSULTING ENGINEERS	BANGALORE
1265.	ELECTRONIC ARTS GAMES INDIA PVT. LTD.	HYDERABAD
1266.	ELECTRONICS CORPORATION OF INDIA LTD.	HYDERABAD
1267.	ELECTRONICS CORPORATION OF INDIA LTD.	SECUNDERABAD
1268.	ELECTROPNEUMATICS & HYDRAULICS (I) PVT. LTD.	PUNE
1269.	ELECTROSTEEL CASTING LTD.	KOLKATA
1270.	ELECTROTHERM (I) LTD.	SURENDRANAGAR
1271.	ELEGENCE INFOTECH	BANGALORE
1272.	ELGI EQUIPMENTS LTD.	COIMBATORE
1273.	ELGI EQUIPMENTS LTD.	TUTICORIN
1274.	ELITE SCHOOL OF OPTOMETRY	CHENNAI
1275.	ELMECH ELECTROMECHANICAL WORKS LLC	ABU DHABI
1276.	ELSYTEC POWER PROJECTS PVT. LTD.	CHENNAI
1277.	ELTEL INDUSTRIES	KRISHNAGIRI
1278.	EMBITEL TECHNOLOGIES INDIA PVT. LTD.	BANGALORE
1279.	EMC CORPORATION	BANGALORE
1280.	EMC CORPORATION	TIRUNELVELI
1281.	EMC DATA STORAGE INDIA PVT. LTD.	BANGALORE
1282.	EMC INDIA PVT. LTD.	BANGALORE
1283.	EMC SOFTWARE & SERVICES INDIA PVT. LTD.	BANGALORE
1284.	EMC SOFTWARE & SERVICES INDIA PVT. LTD.	FARIDABAD
1285.	EMC SOFTWARE SOLUTIONS INDIA PVT. LTD.	BANGALORE
1286.	EMCO LTD.	KOLKATA
1287.	EMDA ENGINEERING AS	TRICHY
1288.	EMERGYS SOFTWARE PVT. LTD.	CHENNAI
1289.	EMERGYS SOFTWARE PVT. LTD.	GUDUVANCHERRY
1290.	EMERSON DESIGN ENGINEERING CENTER	PUNE
1291.	EMERSON FZE	DUBAI
1292.	EMERSON PROCESS MANAGEMENT ASIA PACIFIC	SINGAPORE
1293.	EMIDS TECHNOLOGIES PVT. LTD.	BANGALORE
1294.	EMIRATES AIRLINES	DUBAI
1295.	EMIRATES ALUMINUM CO	ABU DHABI
1296.	EMIRATES ALUMINUM CO	AL TAWEELAH

1297.	EMIRATES ALUMINUM CO	CHENNAI
1298.	EMIRATES ALUMINUM CO	ERNAKULAM
1299.	EMIRATES ALUMINUM CO	SHARJAH
1300.	EMIRATES ALUMINUM CO	TAWEELA
1301.	EMIRATES ALUMINUM CO	VISAKHAPATNAM
1302.	EMIRATES FLOAT GLASS LLC	ABU DHABI
1303.	EMIRATES GAS LLC	FUJAIRAH
1304.	EMIRATES GROUP	DUBAI
1305.	EMIRATES STEEL	TIRUNELVELI
1306.	EMIRATES TECHNICAL ASSOCIATES	ABU DHABI
1307.	EMIRATES TRADING AGENCY	KADAYANALLUR
1308.	EMIRATES TRADING AGENCY	KOVILPATTI
1309.	EMIRATES TRADING AGENCY (ETA)	DUBAI
1310.	EMIRATES TRADING AGENCY LLC	DEIRA
1311.	EMISSION CONTROLS MANUFACTURERS ASSOCIAT	NEW DELHI
1312.	EMPIRE MACHINE TOOLS	CHENNAI
1313.	EMPOWER ENERGY SOLUTION	TIRUNELVELI
1314.	ENCO ENGINEERS COMBINE PVT. LTD.	HISAR
1315.	ENCORA TECHNOLOGIES PVT. LTD.	BANGALORE
1316.	ENDURANCE TECHNOLOGIES PVT. LTD.	AURANGABAD
1317.	ENDURANCE TECHNOLOGIES PVT. LTD.	HOSUR
1318.	ENDURANCE TECHNOLOGIES PVT. LTD.	KANCHIPURAM
1319.	ENERGOPROJEKT ENTEL LLC	KOVILPATTI
1320.	ENPEJAY RESEARCH INFORMATION SERVICES	VELLORE
1321.	ENTRIB TECHNOLOGIES PVT. LTD.	PUNE
1322.	ENVESTNET ASSET MANAGEMENT (INDIA) PVT. LTD.	TRIVANDRUM
1323.	EPCOS INDIA PVT. LTD.	REWARI
1324.	EPCOS INDIA PVT. LTD.	TIRUNELVELI
1325.	EPT ENGINEERING SERVICES (P) LTD.,	CHENNAI
1326.	EQ TECHNOLOGIC(INDIA) PVT. LTD.	PUNE
1327.	EQUATE PETROCHEMICAL COMPANY	ABUHALIFA
1328.	EQUATE PETROCHEMICAL COMPANY	FAHAHEEL
1329.	EQUATE PETROCHEMICAL COMPANY	KUWAIT
1330.	EQUATE PETROCHEMICAL COMPANY	SALMIYA
1331.	ERAM INTERNATIONAL QUALITY STANDARDISATI	ABU DHABI
1332.	ERICSSON INDIA GLOBAL SERVICES PVT. LTD.	BANGALORE
1333.	ERICSSON INDIA GLOBAL SERVICES PVT. LTD.	CHENNAI
1334.	ERICSSON INDIA GLOBAL SERVICES PVT. LTD.	COIMBATORE
1335.	ERICSSON INDIA GLOBAL SERVICES PVT. LTD.	DELHI
1336.	ERICSSON INDIA GLOBAL SERVICES PVT. LTD.	ERNAKULAM
1337.	ERICSSON INDIA GLOBAL SERVICES PVT. LTD.	FARIDABAD
1338.	ERICSSON INDIA GLOBAL SERVICES PVT. LTD.	JAIPUR
1339.	ERICSSON INDIA GLOBAL SERVICES PVT. LTD.	KOLKATA
1340.	ERICSSON INDIA GLOBAL SERVICES PVT. LTD.	MAHADEVAPURA
1341.	ERICSSON INDIA GLOBAL SERVICES PVT. LTD.	NOIDA
1342.	ERNST & YOUNG	KOLLAM
1343.	ERNST & YOUNG LLP	BANGALORE
1344.	ESAB MIDDLE EAST LLC	DUBAI
1345.	ESAB MIDDLE EAST LLC	THANJAVUR
1346.	ESCORTS LTD.	FARIDABAD
1347.	ESPIRE INFOLABS PVT. LTD.	GURGAON
1348.	ESPIRE INFOLABS PVT. LTD.	LUDHIANA
1349.	ESSAR OIL LTD.	JAMNAGAR
1350.	ESSAR POWER LTD.	SURAT
1351.	ESSAR PROJECTS INDIA LTD.	SURAT
1352.	ESSAR PROJECTS SINGAPORE PTE LTD.	HOSUR
1353.	ESSAR STEEL LTD.	CHENNAI
1354.	ESSAR STEELS LTD.	SURAT
1355.	ESSAYS2WIN LLC	HYDERABAD
1356.	ESSJAY ERICSSON INDIA PVT. LTD.	SRINAGAR
1357.	ESSQCON INSTRUMENTS	CHENNAI
1358.	ETA ASCON (M&E DIVISION)	MUMBAI

1359.	ETA ASCON GROUP OF COMPANIES	KADAYANALLUR
1360.	ETA M & E DIVISION,ETA ASCON	KADAYANALLUR
1361.	ETA-PCS SWITCHGEAR MANUFACTURING LLC	KAYALPATNAM
1362.	E-TEAM INFORMATICA INDIA (P) LTD.	THRISSUR
1363.	EUROFINS IT SOLUTIONS INDIA LTD.	BANGALORE
1364.	EURONET INDIA PVT. LTD.	PUNE
1365.	EUROTAS INFRASTRCTURE LTD.	NASHIK
1366.	EUTHENICS IT SERVICES PVT. LTD.	VISAKHAPATNAM
1367.	EVALUE SERVE.COM PVT. LTD.	NEW DELHI
1368.	EVALUESERVE.COM PVT. LTD.	FARIDABAD
1369.	EVERSENDI ENGINEERING FZE	SHARJAH
1370.	EVERSENDI ENGINEERING LLC	DUBAI
1371.	EVOLUTION DEVELOPERS LTD.	DELHI
1372.	EWAC ALLOYS LTD.	MAHISHADAL
1373.	EXCELACOM TECHNOLOGIES PVT. LTD.	CHENNAI
1374.	EXCELLENCE INFONET	JUNAGADH
1375.	EXETER SOFTWARE INDIA PVT. LTD.	BANGALORE
1376.	EXIDE INDUSTRIES LTD.	CHITTORGARH
1377.	EXILANT TECHNOLOGIES PVT. LTD.	BANGALORE
1378.	EXILANT TECHNOLOGIES PVT. LTD.	MYSORE
1379.	EXINOSIS TECHNOLOGIES PVT. LTD.	BANGALORE
1380.	EXPEDIA INDIA	GURGAON
1381.	EXPERION TECHNOLOGIES	TRIVANDRUM
1382.	EXTERRO R&D	COIMBATORE
1383.	EXTERRO R&D	SALEM
1384.	EXXON MOBIL CHEMICALS OPERATIONS PVT. LTD.	SINGAPORE
1385.	EXXON MOBIL CHEMICALS OPERATIONS PVT. LTD.	THELLAR
1386.	EXXONMOBIL CHEMICALS PTE LTD.	SINGAPORE
1387.	EYME TECHNOLOGIES PVT. LTD.	TRIVANDRUM
1388.	FAIR ISAAC SOFTWARE INDIA LTD.	BANGALORE
1389.	FAISAL JASSIM TRADING CO. LLC	DOHA
1390.	FAIVELEY TRANSPORT INDIA LTD.	HOSUR
1391.	FANUC INDIA PVT. LTD.	BANGALORE
1392.	FAURECIA EMISSIONS CONTROL TECHNOLOGIES LTD.	TIRUNELVELI
1393.	FAURECIA INTERIOR SYSTEMS INDIA PVT. LTD.	PUNE
1394.	FCI TECHNOLOGY SERVICES	PALAKKAD
1395.	FEARNLEY PROCTER FZE	DUBAI
1396.	FEDERAL MOGUL BEARINGS INDIA LTD.	UNA
1397.	FEDERAL-MOGUL CORPORATION	CHENNAI
1398.	FEDERALMOGUL GOETZE INDIA LTD.	BANGALORE
1399.	FEEDBACK INFRASTRUCTURES PVT. LTD.	KOTA
1400.	FEROZE GANDHI INSTT. OF ENGG. & TECHNOLOGY	RAEBARELI
1401.	FESTO CONTROLS PVT. LTD.	BANGALORE
1402.	FFV SERVICES PVT. LTD.	NEW DELHI
1403.	FIAT INDIA AUTOMOBILES LTD.	PUNE
1404.	FIBERLINK SOFTWARE PVT. LTD.	BANGALORE
1405.	FIDELITY BUSINESS SERVICES INDIA PVT. LTD.	BANGALORE
1406.	FIDELITY INVESTMENTS	BANGALORE
1407.	FIDELITY NATIONAL INFORMATION SERVICES	DELHI
1408.	FINANCIAL SOFTWARE SYSTEMS PVT. LTD.	CHENNAI
1409.	FINANCIAL SOFTWARE SYSTEMS PVT. LTD.	COIMBATORE
1410.	FINEORE TECHNOLOGIES LTD.	GURGAON
1411.	FIRST ADVANTAGE OFFSHORE SERVICES PVT . LTD.	BANGALORE
1412.	FIS GLOBAL BUSINESS SOLUTIONS PVT. LI	CHENNAI
1413.	FISERV INDIA PVT. LTD.	NEW DELHI
1414.	FISERV INDIA PVT. LTD.	PUNE
1415.	FISHER SANMAR LTD.	CHENNAI
1416.	FL SMIDTH PVT. LTD.	CHENNAI
1417.	FLEXTRONICS TECHNOLOGIES INDIA PVT. LTD.	CHENNAI
1418.	FLEXTRONICS TECHNOLOGIES INDIA PVT. LTD.	KANCHIPURAM
1419.	FLIPKART INDIA PVT. LTD.	BANGALORE
1420.	FLIPKART INTERNET PVT.LTD.	DAUSA

1421.	FLIPKART LTD.	MEERUT
1422.	FLOVEL ENERGY PVT. LTD.	DELHI
1423.	FLOW SERVE INDIA CONTROLS PVT. LTD.	TRICHY
1424.	FLOWSERVE INDIA CONTROLS PVT. LTD.	COIMBATORE
1425.	FLOWSERVE INDIA CONTROLS PVT. LTD.	HOSUR
1426.	FLSMIDTH PVT. LTD.	CHENNAI
1427.	FLSMIDTH PVT. LTD.	COIMBATORE
1428.	FLSMIDTH PVT. LTD.	ELURU
1429.	FLSMIDTH PVT. LTD.	GURGAON
1430.	FLSMIDTH PVT. LTD.	KARUR
1431.	FLSMIDTH PVT. LTD.	MADURAI
1432.	FLSMIDTH PVT. LTD.	TRICHY
1433.	FLUOR DANIEL INDIA PVT. LTD.	NEW DELHI
1434.	FLUOR KUWAIT COMPANY	AHMADI
1435.	FLUTURA BUSINESS SOLUTIONS	BANGALORE
1436.	FOLEY DESIGNS PVT. LTD.	BANGALORE
1437.	FORBES MARSHALL PVT. LTD.	PUNE
1438.	FORCE MOTORS LTD.	INDORE
1439.	FORCE MOTORS LTD.	PUNE
1440.	FORCE10 NETWORKS INDIA (P) LTD.	CHENNAI
1441.	FORD INDIA PVT. LTD.	AHMEDABAD
1442.	FORD INDIA PVT. LTD.	CHENNAI
1443.	FORD INDIA PVT. LTD.	ERODE
1444.	FORD INDIA PVT. LTD.	NASHIK
1445.	FORD TECHNOLOGY SERVICES INDIA	CHENNAI
1446.	FORMATIVE SOFTWARE SOLUTIONS PVT. LTD.	CHENNAI
1447.	FORTIS HEALTHCARE LTD.	GURGAON
1448.	FORTIS HOSPITAL SHALIMAR BAGH	NEW DELHI
1449.	FORTUNEPAY SOLUTIONS PVT. LTD.	BANGALORE
1450.	FORWARD TECHNOLOGY AGENCY PVT. LTD.	CHENNAI
1451.	FOSECO INDIA LTD.	PONDICHERRY
1452.	FREE SCALE SEMICONDUCTORS INDIA PVT. LTD.	DELHI
1453.	FREESCALE SEMICONDUCTORS INDIA PVT. LTD.	HYDERABAD
1454.	FREESCALE SEMICONDUCTORS INDIA PVT. LTD.	MALAPPURAM
1455.	FRESENIUS KABI INDIA PVT. LTD.	MAPUSA
1456.	FRONTIER LIFELINE PVT. LTD.	CHENNAI
1457.	FTD AUTOMATION PVT. LTD.	MYSORE
1458.	FTV PROCLAD LLC	BUR BUBAI
1459.	FUJAIRAH ASIA POWER COMPANY	QIDFA
1460.	FUJITSU CONSULTING INDIA	BANGALORE
1461.	FUJITSU CONSULTING INDIA	SALEM
1462.	FUJSENG CONSTRUCTION LLC.	FUJAIRAH
1463.	FUJSENG CONSTRUCTION LLC.	TRICHY
1464.	FUNDTECH INDIA LTD.	PUNE
1465.	FUNIZEN SOLUTIONS PVT. LTD.	CHENNAI
1466.	G.E. INDIA TECHNOLOGY CENTRE	BANGALORE
1467.	G.R.ENGINEERING WORKS	COIMBATORE
1468.	GABRIEL INDIA LTD.	CHENNAI
1469.	GABRIEL INDIA LTD.	ERODE
1470.	GABRIEL INDIA LTD.	HOSUR
1471.	GABRIEL INDIA LTD.	PARWANOO
1472.	GABRIEL INDIA LTD.	SALEM
1473.	GABRIEL INDIA LTD.	SOLAN
1474.	GACTEL TURNKEY PROJECTS LTD.	MUMBAI
1475.	GAMESA WIND TURBINES INDIA PVT.LTD	NAGERCOIL
1476.	GAMESA WIND TURBINES INDIA PVT.LTD	VADODARA
1477.	GAMMON INDIA LTD.	RAJAPALAYAM
1478.	GANDHI HOSPITAL	HYDERABAD
1479.	GAS TURBINE RESEARCH ESTABLISHMENT	BANGALORE
1480.	GATES ENGINEERING & SERVICES FZCO	DUBAI
1481.	GATES UNITTA INDIA COMPANY PVT. LTD.	CHENNAI
1482.	GATEWAY INFOTECH SYSTEMS PVT. LTD.	BANGALORE

1483.	GAVS INFORMATION SERVICES PVT. LTD.	CHENNAI
1484.	GE APPLIANCES & LIGHTING	BANGALORE
1485.	GE F&PT - DRESSER VALVE INDIA PVT. LTD.	COIMBATORE
1486.	GE HEALTHCARE	BANGALORE
1487.	GE INDIA EXPORTS PVT. LTD.	AMEENPUR
1488.	GE INDIA EXPORTS PVT. LTD.	HYDERABAD
1489.	GE INDIA EXPORTS PVT. LTD.	SECUNDERABAD
1490.	GE INDIA INDUSTRIAL PVT. LTD.	BANGALORE
1491.	GE INDIA INDUSTRIAL PVT. LTD.	GURGAON
1492.	GE INDIA TECHNOLOGY CENTRE	BANGALORE
1493.	GE INDUSTRIAL PVT. LTD.	GURGOAN
1494.	GE INTELLIGENT PLAT FORMS PVT. LTD.	PUNE
1495.	GE INTELLIGENT PLATFORMS PVT. LTD.	HYDERABAD
1496.	GE MEDICAL SYSTEMS PVT. LTD.	BANGALORE
1497.	GEA BGR ENERGY SYSTEM (I) LTD.	CHENNAI
1498.	GECO MECHANICAL & ELECTRICAL LTD.	SHARJAH
1499.	GEMINI SOFTWARE SOLUTIONS PVT. LTD.	MUMBAI
1500.	GENERAL ELECTRIC CO.	BANGALORE
1501.	GENERAL ELECTRIC CO.	HYDERABAD
1502.	GENERAL ELECTRIC INTERNATIONAL INC.	PUNE
1503.	GENERAL INSTRUMENT CORPORATION INDIA PVT LTD.	BANGALORE
1504.	GENERAL MOTORS INDIA PVT. LTD.	AURANGABAD
1505.	GENERAL MOTORS INDIA PVT. LTD.	BANGALORE
1506.	GENERAL MOTORS INDIA PVT. LTD.	HOSUR
1507.	GENERAL MOTORS INDIA PVT. LTD.	PUNE
1508.	GENERAL MOTORS INDIA PVT. LTD.	VADODARA
1509.	GENERAL MOTORS TECHNICAL CENTER INDIA PVT LTD.	BANGALORE
1510.	GENOME LIFE SCIENCES PVT. LTD.	CHENNAI
1511.	GENPACT HEADSTRONG CAPITAL MARKETS LTD.	BANGALORE
1512.	GENPACT HEADSTRONG CAPITAL MARKETS LTD.	DELHI
1513.	GENPACT HEADSTRONG CAPITAL MARKETS LTD.	GHAZIABAD
1514.	GENPACT HEADSTRONG CAPITAL MARKETS LTD.	GURGAON
1515.	GENPACT HEADSTRONG CAPITAL MARKETS LTD.	HYDERABAD
1516.	GENPACT HEADSTRONG CAPITAL MARKETS LTD.	MORADABAD
1517.	GENPACT HEADSTRONG CAPITAL MARKETS LTD.	NOIDA
1518.	GENPACT HEADSTRONG CAPITAL MARKETS LTD.	SAHARANPUR
1519.	GENPACT HEADSTRONG CAPITAL MARKETS LTD.	VISAKHAPATNAM
1520.	GEODESIC LTD.	COCHIN
1521.	GEOMETRIC LTD.	HOSUR
1522.	GEOMETRIC LTD.	JAYSINGPUR
1523.	GEOMETRIC LTD.	PUNE
1524.	GEOMETRIC LTD.	REWARI
1525.	GERMAN GULF ENTERPRISES	SHARJAH
1526.	GERMANISCHER LLOYD INDUSTRIAL SERVICES INDIA PVT.LTD.	TRICHY
1527.	GESTAMP SUNGWOON STAMPING & ASSY PVT. LTD.	CHENNAI
1528.	GGG INFORMATION SERVICES	CHENNAI
1529.	GHANTOOT GENERAL MECHANICAL ENGINEERING	PARAMAKUDI
1530.	GHANTOOT ROAD CONTRACTING	DUBAI
1531.	GILLETTE INDIA LTD.	BHIWADI
1532.	GIRNAR SOFTWARES PVT. LTD.	JAIPUR
1533.	GLOBAL ANALYTICS INDIA PVT. LTD.	CHENNAI
1534.	GLOBAL EDGE SOFTWARE LTD.	BANGALORE
1535.	GLOBAL EDGE SOFTWARE LTD.	COIMBATORE
1536.	GLOBAL FOUNDRIES PTE LTD.	CHENNAI
1537.	GLOBAL FOUNDRIES SINGAPORE PTE LTD.	CHENNAI
1538.	GLOBAL INFOTECH & ENGINEERING ASSOCIATE	SERAMPORE
1539.	GLOBAL LOGIC INDIA PVT. LTD.	BANGALORE
1540.	GLOBAL LOGIC INDIA PVT. LTD.	NOIDA
1541.	GLOBAL LOGIC INDIA PVT. LTD.	SANGRUR
1542.	GLOBAL LOGIC TECHNOLOGIES PVT. LTD.	SECUNDERABAD
1543.	GLOBAL PROCESS SYSTEMS	DUBAI
1544.	GLOBAL PROCESS SYSTEMS	MEDIA CITY

1545.	GLOBAL SOURCING GROUP	PUNE
1546.	GLOBAL STEP SERVICES PVT. LTD.	PUNE
1547.	GLOBAL TALENT TRACK	CHENNAI
1548.	GLOBALLOGIC INC.	NOIDA
1549.	GMMCO LTD.	CHENNAI
1550.	GMMCO LTD.	HOSUR
1551.	GNAT TECHNOLOGIES PVT. LTD.	BANGALORE
1552.	GNSA INFOTECH LTD.	NAMAKKAL
1553.	GNTS TECHNOLOGIES PVT. LTD.	THANJAVUR
1554.	GOA SHIPYARD LTD.	PANJIM
1555.	GOA SHIPYARD LTD.	VASCO-DA-GAMA
1556.	GODAVARI TECHNICAL SERVICES	NASHIK
1557.	GODREJ & BOYCE MFG CO LTD.	CALICUT
1558.	GODREJ & BOYCE MFG. CO. LTD.	AMBERNATH
1559.	GODREJ & BOYCE MFG. CO. LTD.	BHUBANESWAR
1560.	GODREJ & BOYCE MFG. CO. LTD.	CHENNAI
1561.	GODREJ & BOYCE MFG. CO. LTD.	COCHIN
1562.	GODREJ & BOYCE MFG. CO. LTD.	DOMBIVLI
1563.	GODREJ & BOYCE MFG. CO. LTD.	ERNAKULAM
1564.	GODREJ & BOYCE MFG. CO. LTD.	INDORE
1565.	GODREJ & BOYCE MFG. CO. LTD.	KALYAN
1566.	GODREJ & BOYCE MFG. CO. LTD.	LUCKNOW
1567.	GODREJ & BOYCE MFG. CO. LTD.	MOHALI
1568.	GODREJ & BOYCE MFG. CO. LTD.	MUMBAI
1569.	GODREJ & BOYCE MFG. CO. LTD.	NEW DELHI
1570.	GODREJ & BOYCE MFG. CO. LTD.	PUNE
1571.	GODREJ & BOYCE MFG. CO. LTD.	THANE
1572.	GOKUL SUPERSPECIALITY HOSPITAL	RAJKOT
1573.	GOLDLINE (FZE) GH. LTD.	TEMA
1574.	GOLDMAN SACHS SERVICES PVT. LTD.	BANGALORE
1575.	GOLDMAN SACHS SERVICES PVT. LTD.	CHENNAI
1576.	GOLDSTONE INFRATECH LTD.	SECUNDERABAD
1577.	GOODRICH AEROSPACE SERVICE PVT. LTD.	BANGALORE
1578.	GOODYEAR INDIA LTD.	CHENNAI
1579.	GOOGLE INDIA PVT. LTD.	HYDERABAD
1580.	GOVT ZIRTIRI RESIDENTIAL SCIENCE COLLEGE	AIZAWL
1581.	GPC-GLOBAL INFORMATION SOLUTIONS	ABU DHABI
1582.	GRAPHIC ERA UNIVERSITY DEHRADUN	DEHRADUN
1583.	GRASIM IND. LTD.	NAGDA
1584.	GREAVES COTTON LTD.	AURANGABAD
1585.	GREEN INDIA BUILDING SYSTEM & SERVICES PVT.LTD.	THANE
1586.	GREEN LINE SOLAR PVT. LTD.	PONDICHERRY
1587.	GREEN QUOTIENT SYSTEMS PVT. LTD.	CHENNAI
1588.	GREEN RIDGE SYSTEMS PVT. LTD.	THANE
1589.	GREENHECK FAN INDIA PVT. LTD.	KOLKATA
1590.	GREENRIDGE SYSTEMS PVT. LTD.	KALYAN
1591.	GRINDWELL NORTON LTD.	NAGPUR
1592.	GRINDWELL NORTON LTD. -SAINT GOBAIN A	NOIDA
1593.	GROZ ENGG TOOLS PVT. LTD.	NEW DELHI
1594.	GROZ ENGINEERING TOOLS (P) LTD.	GURGAON
1595.	GRUNER INDIA PVT.LTD	CHORGALIA
1596.	GSOFT SOFTWARE SOLUTION	DINDIGUL
1597.	GSPC GAS CO LTD.	GONDAL
1598.	GUAVUS NETWORK SYSTEMS	GHAZIABAD
1599.	GUJARAT BOROSIL LTD.	BHARUCH DISTRICT
1600.	GUJARAT STATE ELECTRICITY CORPORATION	UKAI
1601.	GUJARAT STATE PETROLEUM CORPORATION	RAJAMUNDRY
1602.	GULF VALVE FZE	SHARJAH
1603.	GUNNEBO INDIA PVT. LTD.	VADODARA
1604.	H5 ASIA PACIFIC PVT. LTD.	BANGALORE
1605.	HACK O TECH SERVICES	SIWANI MANDI
1606.	HAL AVIONICS DIVISION KORWA	SULTANPUR

1607.	HALDIA ENERGY LTD.	BANDEL
1608.	HALLIBURTON WORLD WIDE LTD.	DUBAI
1609.	HALLIBURTON WORLD WIDE LTD.	PUNE
1610.	HANYANG AUTOMOTIVE INDIA P LTD.	CHENNAI
1611.	HAPPIEST MINDS TECHNOLOGIES	BANGALORE
1612.	HARISVANIKK LEDERS PVT. LTD.	CHENNAI
1613.	HARITA FEHRER LTD.	HOSUR
1614.	HARITA SEATING SYSTEMS LTD.	COIMBATORE
1615.	HARITA SEATING SYSTEMS LTD.	HOSUR
1616.	HARITA SEATING SYSTEMS LTD.	MADURAI
1617.	HARITA SEATING SYSTEMS LTD.	TIRUPUR
1618.	HARITA SEATING SYSTEMS LTD.	VELLORE
1619.	HARITA TECHSERVE LTD.	VELLORE
1620.	HARITASEATING SEATING SYSTEM LTD.	HOSUR
1621.	HARLAND CLARKE HOLDING SOFTWARE INDIA PVT LTD.	CHENNAI
1622.	HARMAN INTERNATIONALS INDIA PVT. LTD.	BANGALORE
1623.	HARMAN INTERNATIONALS INDIA PVT. LTD.	MYSORE
1624.	HARMAN INTERNATIONALS INDIA PVT. LTD.	PUNE
1625.	HARNESS HANDI TOUCH PVT. LTD.	TIRUPUR
1626.	HAVELLS INDIA LTD.	SONIPAT
1627.	HAWKINS COOKERS LTD.	THANE
1628.	HAYS BUSINESS SOLUTIONS INDIA PVT.LTD.	DELHI
1629.	HBL POWER SYSTEMS LTD.	SECUNDERABAD
1630.	HCENTIVE TECHNOLOGIES INDIA PVT. LTD.	FIROZEPUR
1631.	HCENTIVE TECHNOLOGIES INDIA PVT. LTD.	NOIDA
1632.	HCL TECHNOLOGIES LTD.	AMBALA
1633.	HCL TECHNOLOGIES LTD.	AURAIYA
1634.	HCL TECHNOLOGIES LTD.	BANGALORE
1635.	HCL TECHNOLOGIES LTD.	BETUL
1636.	HCL TECHNOLOGIES LTD.	BHADRAVATHI
1637.	HCL TECHNOLOGIES LTD.	CHENNAI
1638.	HCL TECHNOLOGIES LTD.	CHITTORGARH
1639.	HCL TECHNOLOGIES LTD.	COIMBATORE
1640.	HCL TECHNOLOGIES LTD.	CUDDALORE
1641.	HCL TECHNOLOGIES LTD.	DAVANGERE
1642.	HCL TECHNOLOGIES LTD.	DINDIGUL
1643.	HCL TECHNOLOGIES LTD.	ERODE
1644.	HCL TECHNOLOGIES LTD.	GAJAPATHINAGARAM
1645.	HCL TECHNOLOGIES LTD.	GAUHATI
1646.	HCL TECHNOLOGIES LTD.	GHAZIABAD
1647.	HCL TECHNOLOGIES LTD.	GOVINDPURI
1648.	HCL TECHNOLOGIES LTD.	GUNTUR
1649.	HCL TECHNOLOGIES LTD.	GURGAON
1650.	HCL TECHNOLOGIES LTD.	HOSUR
1651.	HCL TECHNOLOGIES LTD.	HYDERABAD
1652.	HCL TECHNOLOGIES LTD.	JAMMU
1653.	HCL TECHNOLOGIES LTD.	KANCHIPURAM
1654.	HCL TECHNOLOGIES LTD.	KANYAKUMARI
1655.	HCL TECHNOLOGIES LTD.	KASARAGOD
1656.	HCL TECHNOLOGIES LTD.	KOLHAPUR
1657.	HCL TECHNOLOGIES LTD.	KOLLAM
1658.	HCL TECHNOLOGIES LTD.	KOZHICODE
1659.	HCL TECHNOLOGIES LTD.	LUCKNOW
1660.	HCL TECHNOLOGIES LTD.	MADHAPUR
1661.	HCL TECHNOLOGIES LTD.	MADURAI
1662.	HCL TECHNOLOGIES LTD.	MUMBAI
1663.	HCL TECHNOLOGIES LTD.	NEW DELHI
1664.	HCL TECHNOLOGIES LTD.	NOIDA
1665.	HCL TECHNOLOGIES LTD.	PANCHKULA
1666.	HCL TECHNOLOGIES LTD.	PONDICHERRY
1667.	HCL TECHNOLOGIES LTD.	SERAMPORE
1668.	HCL TECHNOLOGIES LTD.	TADIPATRI

1669.	HCL TECHNOLOGIES LTD.	TENKASI
1670.	HCL TECHNOLOGIES LTD.	THANJAVUR
1671.	HCL TECHNOLOGIES LTD.	THENI
1672.	HCL TECHNOLOGIES LTD.	THOOTHUKUDI
1673.	HCL TECHNOLOGIES LTD.	TIRUNELVELI
1674.	HCL TECHNOLOGIES LTD.	TIRUVANNAMALAI
1675.	HCL TECHNOLOGIES LTD.	TRICHY
1676.	HCL TECHNOLOGIES LTD.	TUMKUR
1677.	HCL TECHNOLOGIES LTD.	VIJAYAWADA
1678.	HCL TECHNOLOGIES LTD.	VILLUPURAM
1679.	HEAD STRONG SERVICES INDIA PVT. LTD.	DELHI
1680.	HEADSTRONG SERVICES INDIA PVT. LTD.	HALDWANI
1681.	HEADSTRONG SERVICES INDIA PVT. LTD.	JAIPUR
1682.	HEADSTRONG SERVICES INDIA PVT. LTD.	NOIDA
1683.	HEALTHASYST PVT. LTD.	MYSORE
1684.	HEART & GENERAL HOSPITAL	JAIPUR
1685.	HEAT EXCHANGES SPECIALISTS (S) PTE LTD.	MAMALLAPURAM
1686.	HEAVY ENGINEERING IND. & SHIP BUILDING CO	SHUWAIKH
1687.	HEAVY WATER BOARD	ASWAPURAM
1688.	HEDRICH VACUUM SYSTEMS (I) PVT. LTD.	KOLKATA
1689.	HEIDELBERG CEMENT INDIA LTD.	NARSINGARH
1690.	HELLA INDIA AUTOMOTIVE PVT. LTD.	BULDHANA
1691.	HELLA INDIA AUTOMOTIVE PVT. LTD.	CHENNAI
1692.	HELLA INDIA AUTOMOTIVE PVT. LTD.	DHARWAD
1693.	HELLA INDIA AUTOMOTIVE PVT. LTD.	GURGAON
1694.	HELLA INDIA AUTOMOTIVE PVT. LTD.	JALANDHAR
1695.	HELLA INDIA AUTOMOTIVE PVT. LTD.	KARAD
1696.	HELLA INDIA AUTOMOTIVE PVT. LTD.	PUNE
1697.	HELLA INDIA AUTOMOTIVE PVT. LTD.	SHAMLI
1698.	HELLA INDIA AUTOMOTIVE PVT. LTD.	YAVATMAL
1699.	HENKEL CAC PVT. LTD.	DOMBIVLI
1700.	HEPATICA TECHNOLOGIES PVT. LTD.	ANANTAPUR
1701.	HEPATICA TECHNOLOGIES PVT. LTD.	BANGALORE
1702.	HERBALIFE INTERNATIONAL INDIA PVT. LTD.	BANGALORE
1703.	HERBALIFE INTERNATIONAL INDIA PVT. LTD.	KASARAGOD
1704.	HERBERTPUR CHRISTIAN HOSPITAL	DEHRADUN
1705.	HERE SOLUTIONS INDIA PVT. LTD.	MUMBAI
1706.	HERO GLOBAL DESIGN LTD.	GHAZIABAD
1707.	HERO MOTOCORP LTD.	CUDDALORE
1708.	HERO MOTOCORP LTD.	GURGAON
1709.	HERO MOTOCORP LTD.	HARIDWAR
1710.	HERRENKNECHT INDIA PVT. LTD.	RAMANATHAPURAM
1711.	HEWITT ASSOCIATES INDIA PVT. LTD.	CHENNAI
1712.	HEWITT ASSOCIATES INDIA PVT. LTD.	NOIDA
1713.	HEWLETT PACKARD GLOBAL SOFT PVT. LTD.	BANGALORE
1714.	HEWLETT PACKARD GLOBAL SOFT PVT. LTD.	CHENNAI
1715.	HEWLETT PACKARD GLOBAL SOFT PVT. LTD.	COIMBATORE
1716.	HEWLETT PACKARD GLOBAL SOFT PVT. LTD.	ERODE
1717.	HEWLETT PACKARD GLOBAL SOFT PVT. LTD.	MADURAI
1718.	HEWLETT PACKARD GLOBAL SOFT PVT. LTD.	MUMBAI
1719.	HEWLETT PACKARD GLOBAL SOFT PVT. LTD.	THANE
1720.	HEWLETT PACKARD GLOBAL SOFT PVT. LTD.	TIRUNELVELI
1721.	HEWLETT PACKARD GLOBAL SOFT PVT. LTD.	VASCO-DA-GAMA
1722.	HEXAWARE TECHNOLOGIES LTD.	CHENNAI
1723.	HEXAWARE TECHNOLOGIES LTD.	COIMBATORE
1724.	HEXAWARE TECHNOLOGIES LTD.	KAIKONDANAHALLI
1725.	HEXAWARE TECHNOLOGIES LTD.	KRISHNAGIRI
1726.	HEXAWARE TECHNOLOGIES LTD.	MUMBAI
1727.	HEXAWARE TECHNOLOGIES LTD.	NAVI MUMBAI
1728.	HEXAWARE TECHNOLOGIES LTD.	PERAMBALUR
1729.	HEXAWARE TECHNOLOGIES LTD.	TRICHY
1730.	HFN IT SOLUTION	BANGALORE

1731.	HIGGS & HILL LLC	DUBAI
1732.	HIGHTEMP FURNACES LTD.	BANGALORE
1733.	HINDALCO INDUSTRIES LTD.	BHARUCH
1734.	HINDALCO INDUSTRIES LTD.	DAHEJ
1735.	HINDALCO INDUSTRIES LTD.	NAVI MUMBAI
1736.	HINDALCO INDUSTRIES LTD.	RANCHI
1737.	HINDALCO INDUSTRIES LTD.	RENUKOOT
1738.	HINDALCO INDUSTRIES LTD.	UJJAIN
1739.	HINDUJA FOUNDRIES LTD.	CHENNAI
1740.	HINDUSTAN AERONAUTICS LTD.	AMETHI
1741.	HINDUSTAN AERONAUTICS LTD.	BANGALORE
1742.	HINDUSTAN AERONAUTICS LTD.	HYDERABAD
1743.	HINDUSTAN AERONAUTICS LTD.	KORAPUT
1744.	HINDUSTAN AERONAUTICS LTD.	NASIK
1745.	HINDUSTAN AERONAUTICS LTD.	SIRSA
1746.	HINDUSTAN AERONAUTICS LTD.	SULTANPUR
1747.	HINDUSTAN AERONAUTICS LTD.	SULTHAN BATHERY
1748.	HINDUSTAN COCA-COLA BEVERAGES PVT. LTD.	CHENNAI
1749.	HINDUSTAN COCA-COLA BEVERAGES PVT. LTD.	THANE
1750.	HINDUSTAN COPPER LTD.	MALANJKHAND
1751.	HINDUSTAN DORR OLIVER TECHNOLOGIES	CHENNAI
1752.	HINDUSTAN PETROLEUM CORPORATION	MUMBAI
1753.	HINDUSTAN PETROLEUM CORPORATION LTD.	NAVI MUMBAI
1754.	HINDUSTAN TURBOMACHINERY LTD.	PUDUKKOTTAI
1755.	HINDUSTAN UNILEVER LTD.	BADDI
1756.	HINDUSTAN UNILEVER LTD.	CHIRAWA
1757.	HINDUSTAN UNILEVER LTD.	TINSUKI
1758.	HIRA INDUSTRIES LLC	DUBAI
1759.	HIRMI CEMENT WORKS	HIRMI
1760.	HITECH DIAGNOSTIC CENTRE	CHENNAI
1761.	HI-TECH MEDICAL COLLEGE & HOSPITAL	BHUBANESWAR
1762.	HLL LIFECARE LTD.	TRIVANDRUM
1763.	HOERBIGER INDIA PVT. LTD.	PUNE
1764.	HOFINCONS INFOTECH & INDUSTRIAL SERVICES	CHENNAI
1765.	HONDA CARS INDIA LTD.	ALWAR
1766.	HONDA CARS INDIA LTD.	BHARATPUR
1767.	HONDA CARS INDIA LTD.	BHIWADI
1768.	HONDA MOTORCYCLE & SCOOTER INDIA PVT. LTD.	GUDIYATTAM
1769.	HONDA MOTORCYCLE & SCOOTER INDIA PVT. LTD.	HOSUR
1770.	HONDA MOTORCYCLE & SCOOTER INDIA PVT. LTD.	HYDERABAD
1771.	HONDA SIEL CARS INDIA LTD.	GREATER NOIDA
1772.	HONDA SIEL CARS INDIA LTD.	NEW DELHI
1773.	HONEYWELL TECHNOLOGY SOLUTIONS	BANGALORE
1774.	HONEYWELL TECHNOLOGY SOLUTIONS	HYDERABAD
1775.	HONEYWELL TECHNOLOGY SOLUTIONS LAB PVT.LTD.	MADURAI
1776.	HONEYWELL TECHNOLOGY SOLUTIONS LAB PVT.LTD.	PUNE
1777.	HOSPINORM LLC	ALAPPUZHA
1778.	HOSPIRA HEALTHCARE INDIA PVT. LTD.	VISHAKAPATNAM
1779.	HOWARD FINLEY AL KHALEEJ	ABU DHABI
1780.	HP GLOBAL SOFT INDIA PVT. LTD.	BANGALORE
1781.	HP GLOBAL SOFT INDIA PVT. LTD.	CHENNAI
1782.	HP GLOBAL SOFT INDIA PVT. LTD.	GHAZIABAD
1783.	HPCL-MITTAL ENERGY LTD.	BATHINDA
1784.	HS ENGINEERING ENTERPRISES	JAIPUR
1785.	HSBC EDPI PVT. LTD.	BANGALORE
1786.	HSBC SOFTWARE DEVELOPMENT INDIA PVT. LTD.	HYDERABAD
1787.	HSBC SOFTWARE DEVELOPMENT INDIA PVT. LTD.	JALGAON
1788.	HSBC SOFTWARE DEVELOPMENT INDIA PVT. LTD.	NELLORE
1789.	HSBC SOFTWARE DEVELOPMENT INDIA PVT. LTD.	PUNE
1790.	HTC GLOBAL SERVICES (INDIA) PVT. LTD.	CHENNAI
1791.	HTC GLOBAL SERVICES (INDIA) PVT. LTD.	HYDERABAD
1792.	HTC GLOBAL SERVICES (INDIA) PVT. LTD.	KANYAKUMARI

1793.	HUAWEI TECHNOLOGIES INDIA PVT. LTD.	BANGALORE
1794.	HUAWEI TECHNOLOGIES INDIA PVT. LTD.	JAMMALAMADUGU
1795.	HUAWEI TECHNOLOGIES INDIA PVT. LTD.	TUMKUR
1796.	HUAWEI TECHNOLOGIES INDIA PVT. LTD.	VELLORE
1797.	HUGHES COMMUNICATION INDIA LTD.	HYDERABAD
1798.	HUMBOLDT WEDAG INDIA PVT. LTD.	DELHI
1799.	HUSCO HYDRAULICS PVT. LTD.	PUNE
1800.	HUSKY INJECTION MOLDING SYSTEMS	CHENNAI
1801.	HUSKY INJECTION MOLDING SYSTEMS	TIRUVANNAMALAI
1802.	HUSKY INJECTION MOLDING SYSTEMS LTD.	MADURAI
1803.	HYDAC (INDIA) PVT. LTD.	COIMBATORE
1804.	HYPERLOCAL PVT. LTD.	BANGALORE
1805.	HYUNDAI MOTOR INDIA LTD.	CHENGALPATTU
1806.	HYUNDAI MOTOR INDIA LTD.	CHENNAI
1807.	HYUNDAI MOTOR INDIA LTD.	GUDUVANCHERRY
1808.	HYUNDAI MOTOR INDIA LTD.	KANCHIPURAM
1809.	HYUNDAI MOTOR INDIA LTD.	TIRUNELVELI
1810.	HYUNDAI MOTOR INDIA LTD.	TIRUVANNAMALAI
1811.	I GATE GLOBAL SOLUTIONS LTD.	PUNE
1812.	I GATE PATNI	PUNE
1813.	I WAVESYSTEMS PVT. LTD.	MADURAI
1814.	I WORK TECHNOLOGIES PVT. LTD.	PUNE
1815.	I NAUTIX TECHNOLOGIES INDIA PVT. LTD.	CHENNAI
1816.	IANA INDIA PVT. LTD.	VADODARA
1817.	IAP COMPANY PVT. LTD.	NEW DELHI
1818.	IB TECHNOLOGY SOLUTIONS LTD.	NEW DELHI
1819.	IBI CONSULTANCY PVT. INDIA LTD.	BANGALORE
1820.	IBIBO WEB PVT. LTD.	BAREILLY
1821.	IBIBO WEB PVT. LTD.	NEW DELHI
1822.	IBM INDIA PVT. LTD.	AHMEDNAGAR
1823.	IBM INDIA PVT. LTD.	BANGALORE
1824.	IBM INDIA PVT. LTD.	CHENNAI
1825.	IBM INDIA PVT. LTD.	DEHRADUN
1826.	IBM INDIA PVT. LTD.	GHAZIABAD
1827.	IBM INDIA PVT. LTD.	GREATER NOIDA
1828.	IBM INDIA PVT. LTD.	GUNTUR
1829.	IBM INDIA PVT. LTD.	GURGAON
1830.	IBM INDIA PVT. LTD.	HYDERABAD
1831.	IBM INDIA PVT. LTD.	JALANDHAR
1832.	IBM INDIA PVT. LTD.	JANGAON
1833.	IBM INDIA PVT. LTD.	KADAPA
1834.	IBM INDIA PVT. LTD.	KANNUR
1835.	IBM INDIA PVT. LTD.	KARNAL
1836.	IBM INDIA PVT. LTD.	KOLKATA
1837.	IBM INDIA PVT. LTD.	LATUR
1838.	IBM INDIA PVT. LTD.	LONDON
1839.	IBM INDIA PVT. LTD.	MEERUT
1840.	IBM INDIA PVT. LTD.	MUMBAI
1841.	IBM INDIA PVT. LTD.	MYSORE
1842.	IBM INDIA PVT. LTD.	NEW DELHI
1843.	IBM INDIA PVT. LTD.	PONDICHERRY
1844.	IBM INDIA PVT. LTD.	PUNE
1845.	IBM INDIA PVT. LTD.	RAJAPALAYAM
1846.	IBM INDIA PVT. LTD.	RATNAGIRI
1847.	IBM INDIA PVT. LTD.	REWARI
1848.	IBM INDIA PVT. LTD.	SALEM
1849.	IBM INDIA PVT. LTD.	SRIKALAHASTI
1850.	IBM INDIA PVT. LTD.	THANE
1851.	IBM INDIA PVT. LTD.	TIRUVANNAMALAI
1852.	IBM INDIA PVT. LTD.	TRICHIRAPALLI
1853.	IBM INDIA PVT. LTD.	TRICHY
1854.	IBM INDIA PVT. LTD.	TUMKUR

1855.	IBM INDIA PVT. LTD.	VELLORE
1856.	IBM INDIA PVT. LTD.	VISAKHAPATNAM
1857.	IBM INDIA PVT. LTD.	VIZIANAGARAM
1858.	IBM INDIA PVT. LTD.	WARDHA
1859.	IBS SOFTWARE SERVICES PVT. LTD.	ALUVA
1860.	IBS SOFTWARE SERVICES PVT. LTD.	ERNAKULAM
1861.	IBS SOFTWARE SERVICES PVT. LTD.	KOCHI
1862.	IBS SOFTWARE SERVICES PVT. LTD.	KOLLAM
1863.	IBS SOFTWARE SERVICES PVT. LTD.	TRIVANDRUM
1864.	ICERTIS SOLUTIONS PVT. LTD.	PUNE
1865.	ICICI BANK	HYDERABAD
1866.	IDEA CELLULAR LTD.	AHMEDABAD
1867.	IDEA CELLULAR LTD.	BANGALORE
1868.	IDEA CELLULAR LTD.	CALICUT
1869.	IDEA CELLULAR LTD.	CHENNAI
1870.	IDEA CELLULAR LTD.	COCHIN
1871.	IDEA CELLULAR LTD.	DHARMAPURI
1872.	IDEA CELLULAR LTD.	ERNAKULAM
1873.	IDEA CELLULAR LTD.	KANNUR
1874.	IDEA CELLULAR LTD.	MALAPPURAM
1875.	IDEA CELLULAR LTD.	TRISSUR
1876.	IDEAFARMS (CONFIDIGN SOLUTION PVT. LTD.)	GHAZIABAD
1877.	IDEAS A SAS COMPANY	PUNE
1878.	IDEAS SOFTWARE & CONSULTING PVT. LTD.	BANGALORE
1879.	IDEAS2IT TECHNOLOGIES	CHENNAI
1880.	IDEAVATE SOLUTIONS PVT. LTD.	INDORE
1881.	IFB AUTOMOTIVE PVT. LTD.	BANGALORE
1882.	IFB AUTOMOTIVE PVT. LTD.	KRISHNAGIRI
1883.	IG INFOTECH INDIA PVT. LTD.	BANGALORE
1884.	IGARASHI MOTORS INDIA LTD.	CHENNAI
1885.	IGATE COMPUTER SYSTEMS LTD.	CHENNAI
1886.	IGATE COMPUTER SYSTEMS LTD.	MUMBAI
1887.	IGATE GLOBAL SOLUTIONS LTD.	BANGALORE
1888.	IGATE GLOBAL SOLUTIONS LTD.	CHENNAI
1889.	IGATE GLOBAL SOLUTIONS LTD.	GAUTAM BUDHA NAGAR
1890.	IGATE GLOBAL SOLUTIONS LTD.	HYDERBAD
1891.	IGATE GLOBAL SOLUTIONS LTD.	JAGATSINGHPUR
1892.	IGATE GLOBAL SOLUTIONS LTD.	KOLHAPUR
1893.	IGATE GLOBAL SOLUTIONS LTD.	MUMBAI
1894.	IGATE GLOBAL SOLUTIONS LTD.	TIRUCHIRAPPALLI
1895.	IGATE PATNI SYSTEM	HOSUR
1896.	IGEN INFOCOM PVT. LTD.	DHOLPUR
1897.	IIT INDORE	INDORE
1898.	IKA INDIA PVT. LTD.	GULBARGA
1899.	IL&FS ENGINEERING SERVICES	ALLAHABAD
1900.	IMAGERY	CHENNAI
1901.	IMAGINATION TECHNOLOGIES	HYDERABAD
1902.	IMAGINATION TECHNOLOGIES INDIA PVT. LTD.	PUNE
1903.	IMMT BHUBANESWAR	BHUBANESWAR
1904.	IMPETUS INFOTECH PVT. LTD.	NOIDA
1905.	IMPIGER TECHNOLOGIES	COIMBATORE
1906.	IMPIGER TECHNOLOGIES	TIRUPUR
1907.	IMPLANTAIRE TECHNOLOGIES INDIA PVT.LTD.	BANGALORE
1908.	IMPULSE INDIA PVT. LTD.	GURGAON
1909.	IMS HEALTH	BANGALORE
1910.	IMS HEALTH INDIA PVT. LTD.	BANGALORE
1911.	IMTAC LLC	TIRUVARUR
1912.	INA BEARINGS INDIA PVT. LTD.	PUNE
1913.	INANSHU TECHNOLOGIES PVT. LTD.	VIJAYAWADA
1914.	INAPP INFORMATION TECHNOLOGIES	THIRUVANANTHAPURAM
1915.	INAUTIX TECHNOLOGIES INDIA PVT. LTD.	MADURAI
1916.	INAUTIX TECHNOLOGIES INDIA PVT. LTD.	PUNE

1917.	INAUTIX TECHNOLOGIES PVT. LTD.	CHENNAI
1918.	INAUTIX TECHNOLOGY INDIA PVT. LTD.	SALEM
1919.	INAUTIX TECHNOLOGY LTD.	CHENNAI
1920.	INCAP CONTRACT MANUFACTURING SERVICES PV	TUMKUR
1921.	INCUBE SOLUTIONS PVT. LTD.	HYDERABAD
1922.	INDECOMM GLOBAL SERVICES	BANGALORE
1923.	INDECOMM GLOBAL SERVICES	TIRUVALLUR
1924.	INDIA COMNET	CHENNAI
1925.	INDIA EURO TRAVELS	PONDICHERRY
1926.	INDIA HABITAT CENTRE	GURGAON
1927.	INDIA JAPAN LIGHTING PVT. LTD.	SALEM
1928.	INDIA RATINGS & RESEARCH (A FITCH GROUP)	JAIPUR
1929.	INDIA YAMAHA MOTOR PVT. LTD.	BURARI
1930.	INDIAN AIR FORCE	AGRA
1931.	INDIAN AIR FORCE	BANGALORE
1932.	INDIAN AIR FORCE	BANGALORE
1933.	INDIAN AIR FORCE	BAREILLY
1934.	INDIAN AIR FORCE	BARNALA
1935.	INDIAN AIR FORCE	CHENNAI
1936.	INDIAN AIR FORCE	GHAZIABAD
1937.	INDIAN AIR FORCE	HYDERABAD
1938.	INDIAN AIR FORCE	JAIPUR
1939.	INDIAN AIR FORCE	JODHPUR
1940.	INDIAN AIR FORCE	JODHPUR
1941.	INDIAN AIR FORCE	KANPUR
1942.	INDIAN AIR FORCE	KORWA
1943.	INDIAN AIR FORCE	KUMBHIRGRAM
1944.	INDIAN AIR FORCE	MOHALI
1945.	INDIAN AIR FORCE	NAGPUR
1946.	INDIAN AIR FORCE	NALIYA
1947.	INDIAN AIR FORCE	NEW DELHI
1948.	INDIAN AIR FORCE	PATHANKOT
1949.	INDIAN AIR FORCE	PORT BLAIR
1950.	INDIAN AIR FORCE	PUNE
1951.	INDIAN AIR FORCE	SONEPAT
1952.	INDIAN AIR FORCE	SURATGARH
1953.	INDIAN AIR FORCE	THANE
1954.	INDIAN AIR FORCE	TRIVANDRUM
1955.	INDIAN ARMY	BANGALORE
1956.	INDIAN ARMY	BELGAUM
1957.	INDIAN ARMY	BHOPAL
1958.	INDIAN ARMY	DEHRADUN
1959.	INDIAN ARMY	GURGAON
1960.	INDIAN ARMY	JAMMU
1961.	INDIAN ARMY	JORHAT
1962.	INDIAN ARMY	KOLKATA
1963.	INDIAN ARMY	NEW DELHI
1964.	INDIAN ARMY (PROJECT DIARA,HQ IDS)	NEW DELHI
1965.	INDIAN ARMY, MOD, GOVT OF INDIA	JAISALMER
1966.	INDIAN COAST GUARD	NAVI MUMBAI
1967.	INDIAN INSTITUTE FOR PRODUCTION MANAGEME	ROURKELA
1968.	INDIAN INSTITUTE OF PACKAGING	MUMBAI
1969.	INDIAN INSTITUTE OF SCIENCE	BANGALORE
1970.	INDIAN NATIONAL CENTER FOR OCEAN INFORMA	HYDERABAD
1971.	INDIAN NAVY	KRISHNAGIRI
1972.	INDIAN NAVY	NEW DELHI
1973.	INDIAN NAVY	PATIALA
1974.	INDIAN NAVY	VISAKHAPATNAM
1975.	INDIAN NAVY /ECHS	KOCHI
1976.	INDIAN OIL CORPORATION	FARIDABAD
1977.	INDIAN ORGANIZATION TO ACHIEVE	BANGALORE
1978.	INDIAN RAILWAYS	LUCKNOW

1979.	INDIAN RAILWAYS	NAJIBABAD
1980.	INDIAN REGISTER OF SHIPPING	THANE
1981.	INDIAN SEAMLESS METAL TUBES LTD. BARAMATI	BARAMATI
1982.	INDIAN SPACE RESEARCH ORGANISATION	TRIVANDRUM
1983.	INDIAN SPACE RESEARCH ORGANIZATION	BANGALORE
1984.	INDIAN SPACE RESEARCH ORGANIZATION	BHOPAL
1985.	INDIAN SPARE RESEARCH ORGANIZATION	SULLURUPETA
1986.	INDIAN SYNTHETIC RUBBER LTD.	DELHI
1987.	INDIEON TECHNOLOGIES PVT. LTD.	CHITTORGARH
1988.	INDIEON TECHNOLOGIES PVT. LTD.	KOLKATA
1989.	INDO GULF FERTILISERS	SULTANPUR
1990.	INDO-US MIM TEC PVT. LTD.	BANGALORE
1991.	INDO-US MIM TEC PVT. LTD.	PUDUKKOTTAI
1992.	INDUS VALLEY PARTNERS [INDIA] PVT. LTD.	JAIPUR
1993.	INDUSTRIAL CABLE MANAGEMENT SYSTEMS CO.	DOHA
1994.	INDUSTRIES CHIMIQUES DU SENEGAL	CHENNAI
1995.	INEL POWER ELECTROMECHANICAL (LLC)	THIRUVALLUR
1996.	INEL POWER ELECTROMECHANICAL LLC	KANCHIPURAM
1997.	INEL POWER ELECTROMECHANICAL LLC	VADALUR
1998.	INEL POWER ELECTROMECHANICAL LLC	VELLORE
1999.	INEXEL INFOMATICS PVT. LTD.	THIRUPPUR
2000.	INFINEON TECHNOLOGIES INDIA PVT. LTD.	BANGALORE
2001.	INFINERA INDIA PVT. LTD.	BANGALORE
2002.	INFOR GLOBAL SOLUTIONS	HYDERABAD
2003.	INFOR GLOBAL SOLUTIONS	SECUNDERABAD
2004.	INFORMATICA	MADURAI
2005.	INFORMATICA BUSINESS PVT. LTD.	BANGALORE
2006.	INFORMATICA BUSINESS PVT. SOLUTIONS	CHENNAI
2007.	INFORMATICA BUSINESS SOLUTIONS	TIRUPUR
2008.	INFORMATION DYNAMICS LLC	DUBAI
2009.	INFORMATION MOSAIC	GURGAON
2010.	INFOSUVIDHA & SERVICES PVT. LTD.	THIRUVALLUR
2011.	INFOSYS LTD.	ALAPPUZHA
2012.	INFOSYS LTD.	BAHADURGARH
2013.	INFOSYS LTD.	BANGALORE
2014.	INFOSYS LTD.	BHUBANESWAR
2015.	INFOSYS LTD.	CHANDIGARH
2016.	INFOSYS LTD.	CHENGALPATTU
2017.	INFOSYS LTD.	CHENNAI
2018.	INFOSYS LTD.	COCHIN
2019.	INFOSYS LTD.	COIMBATORE
2020.	INFOSYS LTD.	DEHRADUN
2021.	INFOSYS LTD.	DHARMAPURI
2022.	INFOSYS LTD.	DHULE
2023.	INFOSYS LTD.	DINDIGUL
2024.	INFOSYS LTD.	DURGAPUR
2025.	INFOSYS LTD.	ERNAKULAM
2026.	INFOSYS LTD.	ERODE
2027.	INFOSYS LTD.	GHAZIABAD
2028.	INFOSYS LTD.	GWALIOR
2029.	INFOSYS LTD.	HAMIRPUR
2030.	INFOSYS LTD.	HARIDWAR
2031.	INFOSYS LTD.	HOSUR
2032.	INFOSYS LTD.	HUZURABAD
2033.	INFOSYS LTD.	HYDERABAD
2034.	INFOSYS LTD.	JABALPUR
2035.	INFOSYS LTD.	KANCHIPURAM
2036.	INFOSYS LTD.	KANPUR
2037.	INFOSYS LTD.	KARAIKUDI
2038.	INFOSYS LTD.	KARIMNAGAR
2039.	INFOSYS LTD.	KARUR
2040.	INFOSYS LTD.	KOCHI

2041.	INFOSYS LTD.	KOTA
2042.	INFOSYS LTD.	KRISHNAGIRI
2043.	INFOSYS LTD.	LUCKNOW
2044.	INFOSYS LTD.	LUDHIANA
2045.	INFOSYS LTD.	MADURAI
2046.	INFOSYS LTD.	MANGALORE
2047.	INFOSYS LTD.	MAYILADUTHURAI
2048.	INFOSYS LTD.	MUMBAI
2049.	INFOSYS LTD.	PALAKKAD
2050.	INFOSYS LTD.	PANCHKULA
2051.	INFOSYS LTD.	PANIPAT
2052.	INFOSYS LTD.	PONDICHERRY
2053.	INFOSYS LTD.	RAMANAGARA
2054.	INFOSYS LTD.	SALEM
2055.	INFOSYS LTD.	SECUNDERABAD
2056.	INFOSYS LTD.	SHIMLA
2057.	INFOSYS LTD.	SOUTH CANARA
2058.	INFOSYS LTD.	THIRUVALLUR
2059.	INFOSYS LTD.	THIRUVANANTHAPURAM
2060.	INFOSYS LTD.	THRISSUR
2061.	INFOSYS LTD.	TIRUPUR
2062.	INFOSYS LTD.	TIRUVALLUR
2063.	INFOSYS LTD.	TRICHUR
2064.	INFOSYS LTD.	TRIVANDRUM
2065.	INFOSYS LTD.	TUMKUR
2066.	INFOSYS LTD.	UDUPI
2067.	INFOSYS LTD.	UNA
2068.	INFOSYS LTD.	URAPAKKAM
2069.	INFOSYS LTD.	UTHUKOTTAI
2070.	INFOSYS LTD.	VELLORE
2071.	INFOSYS LTD.	VIJAYAWADA
2072.	INFOSYS LTD.	VILLUPURAM
2073.	INFOSYS LTD.	VISAKHAPATNAM
2074.	INFOSYS LTD.	YAMUNANAGAR
2075.	INFOSYS TECHNOLOGIES LTD.	ALAPPUZHA
2076.	INFOSYS TECHNOLOGIES LTD.	ALLAHABAD
2077.	INFOSYS TECHNOLOGIES LTD.	BALASORE
2078.	INFOSYS TECHNOLOGIES LTD.	BANGALORE
2079.	INFOSYS TECHNOLOGIES LTD.	CHANDIGARH
2080.	INFOSYS TECHNOLOGIES LTD.	CHENNAI
2081.	INFOSYS TECHNOLOGIES LTD.	GHAZIABAD
2082.	INFOSYS TECHNOLOGIES LTD.	HOSUR
2083.	INFOSYS TECHNOLOGIES LTD.	HYDERABAD
2084.	INFOSYS TECHNOLOGIES LTD.	JAIPUR
2085.	INFOSYS TECHNOLOGIES LTD.	KANPUR
2086.	INFOSYS TECHNOLOGIES LTD.	KANYAKUMARI
2087.	INFOSYS TECHNOLOGIES LTD.	KOLKATA
2088.	INFOSYS TECHNOLOGIES LTD.	MANGALORE
2089.	INFOSYS TECHNOLOGIES LTD.	MOODBIDRI
2090.	INFOSYS TECHNOLOGIES LTD.	MUMBAI
2091.	INFOSYS TECHNOLOGIES LTD.	PANCHKULA
2092.	INFOSYS TECHNOLOGIES LTD.	SECUNDERABAD
2093.	INFOSYS TECHNOLOGIES LTD.	TRIVANDRUM
2094.	INFOSYS TECHNOLOGIES LTD.	TUMKUR
2095.	INFOTECH ENTERPRISES LTD.	BANGALORE
2096.	INFOTECH ENTERPRISES LTD.	HYDERABAD
2097.	INFOTECH ENTERPRISES LTD.	KAKINADA
2098.	INFOTECH ENTERPRISES LTD.	MYSORE
2099.	INFOTECH ENTERPRISES LTD.	SALEM
2100.	INFOTECH ENTERPRISES LTD.	TIRUNELVELI
2101.	INFOTECH ENTERPRISES LTD.	VISAKHAPATNAM
2102.	INGERSOLL RAND INTERNATIONAL (INDIA) LTD.	BANGALORE

2103.	INMOBI TECHNOLOGY SERVICES PVT. LTD.	BANGALORE
2104.	INNOMINDS SOFTWARE PVT. LTD.	HYDERABAD
2105.	INNOPARK INDIA PVT. LTD.	CHENNAI
2106.	INOX AIR PRODUCTS LTD.	PUNE
2107.	INPROCS ENGINEERS INDIA PVT. LTD.	UDUPI
2108.	INSPOP.COM LTD.	GURGAON
2109.	INSTACON ENGINEERS &EQUIPMENTS	CHENNAI
2110.	INSTITUE FOR SYSTEMS STUDIES & ANALYSES	DELHI
2111.	INSTITUTE OF MINERALS & MATERIALS TECHNO	BHUBANESWAR
2112.	INTEGRA MICRO SYSTEMS P LTD.	BANGALORE
2113.	INTEGRATED SPECIALIZED GEN. CONTRACTING	ABU DHABI
2114.	INTEL CORPORATION	BANGALORE
2115.	INTEL INDIA TECHNOLOGIES	BANGALORE
2116.	INTEL MICRON FLASH SINGAPORE	RAJAPALAYAM
2117.	INTEL MOBILE COMMUNICATION	BANGALORE
2118.	INTEL MOBILE COMMUNICATIONS INDIA PVT. LT	PALGHAT
2119.	INTEL MOBILE COMMUNICATIONS INDIA PVT.LTD	BANGALORE
2120.	INTEL MOBILE COMMUNICATIONS LTD.	CHENNAI
2121.	INTEL TECHNOLOGIES INDIA PVT. LTD.	BANGALORE
2122.	INTEL TECHNOLOGY INDIA PVT. LTD.	BANGALORE
2123.	INTEL TECHNOLOGY PVT. LTD.	BANGALORE
2124.	INTELIZIGN ENGINEERING SERVICES	CHENNAI
2125.	INTELLIGENT CONTROL & AUTOMATION SYSTE	SHARJAH
2126.	INTERGARDEN (INDIA) PVT. LTD. (GLO	BANGALORE
2127.	INTERGLOBE TECHNOLOGIES	ALWAR
2128.	INTERGLOBE TECHNOLOGIES	CHENNAI
2129.	INTERGLOBE TECHNOLOGIES	FATEHPUR
2130.	INTERGLOBE TECHNOLOGIES (IGT)	FARIDABAD
2131.	INTERGRAPH CONSULTING PVT. LTD.	HYDERABAD
2132.	INTERGRAPH CONSULTING PVT. LTD.	SECUNDERABAD
2133.	INTERGRAPH CONSULTING PVT. LTD.	VISAKHAPATNAM
2134.	INTERMEDIA SOFTECH PVT. LTD.	BANGALORE
2135.	INTERNATIONAL AEROSPACE MANUFACTURING PR	MADURAI
2136.	INTERNATIONAL CENTRE FOR AUTOMOTIVE TECH	GURGAON
2137.	INTERNATIONAL TRACTOR LTD.	HOSHIARPUR
2138.	INTERNATIONAL TRACTORS LTD.	BATALA
2139.	INTERNET DATA SERVICES (I) PVT. LTD.	BANGALORE
2140.	INTREX INTERNATIONAL INSPECTION CENTRE W	KUWAIT
2141.	INTUIT INDIA PRODUCT DEVELOPMENT CENTER PVT LTD.	BANGALORE
2142.	INTUIT TECHNOLOGY SERVICES PVT. LTD.	BANGALORE
2143.	INVENGER TECHNOLOGIES PVT. LTD.	MANGALORE
2144.	INVENGER TECHNOLOGIES PVT.LTD	MANGALORE
2145.	INVENSYS INDIA PVT. LTD.	CHENNAI
2146.	INVENSYS RAIL	BANGALORE
2147.	INVENSYS SKELTA	BANGALORE
2148.	IONIDEA	BANGALORE
2149.	IP CORE SOLUTIONS (INDIA) PVT. LTD.	HYDERABAD
2150.	IP INFUSION SOFTWARE INDIA PVT. LTD.	BANGALORE
2151.	IPASS INDIA PVT. LTD.	BANGALORE
2152.	IPINFUSION SOFTWARE INDIA PVT. LTD.E	BANGALORE
2153.	IPRAGMATECH SOLUTIONS PVT. LTD.	GHAZIABAD
2154.	IREO PVT. LTD.	YAMUNANAGAR
2155.	IRON MOUNTAIN SERVICES	BANGALORE
2156.	ISENSE PROWARENESS	BANGALORE
2157.	ISGEC HEAVY ENGINEERING LTD.	YAMUNANAGAR
2158.	ISHIVANA CONSULTING FZE(UAE)	BARODA
2159.	ISOLUX CORSAN INDIA ENGG & CONS PVT. LTD.	FARIDABAD
2160.	ISPACE GLOBAL SOLUTIONS PVT. LT.	SECUNDERABAD
2161.	ISPAT INDUSTRIES LTD.	NAVI MUMBAI
2162.	ISRO SATELLITE CENTER	BANGALORE
2163.	ISRO-SRIHARIKOTA	NELLORE
2164.	ISS (INDIA) CONSULTANCY SERVICES PVT. LT	BHARUCH

2165.	ISYX TECHNOLOGIES	DUBAI
2166.	IT PEOPLE FZ LLC	DUBAI
2167.	ITAL BEAUTY NIPPERS PVT. LTD.	PUDUCHERRY
2168.	ITC INFOTECH INDIA LTD.	BANGALORE
2169.	ITC INFOTECH INDIA LTD.	GURGAON
2170.	ITC LTD.	BANGALORE
2171.	ITC LTD.	PUNE
2172.	ITC LTD.	SAHARANPUR
2173.	ITER - INDIA, INSTITUTE FOR PLASMA RESEA	BHAVNAGAR
2174.	ITER-INDIA, INSTITUTE FOR PLASMARESEARCH	AHMEDABAD
2175.	ITER-INDIA,INSTITUTE FOR PLASMA RESEARCH	AHMEDABAD
2176.	ITI LTD.,BANGALORE	BANGALORE
2177.	ITM O&M CO LTD.	ABU DHABI
2178.	ITM O&M COMPANY LTD.	ABU DHABI
2179.	ITS DIGITECH PVT. LTD., PUNE	KOLHAPUR
2180.	ITW INDIA LTD.	NEW DELHI
2181.	IVRCL LTD.	KOLKATA
2182.	IVY COMPTECH	HYDERABAD
2183.	IWAVE SYSTEMS TECHNOLOGIES PVT. LTD.	BANGALORE
2184.	IXIA TECHNOLOGIES	BANGALORE
2185.	IXIA TECHNOLOGIES PVT. LTD.	BARASAT
2186.	J P MORGAN INDIA SERVICES LTD.	HYDERABAD
2187.	J P MORGAN SERVICES INDIA PVT. LTD.	MUMBAI
2188.	J P MORGAN SERVICES INDIA PVT. LTD.	THANE
2189.	J RAY MCDERMOTT ENGG. SERVICES PVT. LTD.	CHENNAI
2190.	J S W ENERGY LTD.	MUMBAI
2191.	J. P. MORGAN	MUMBAI
2192.	J.L.N.MEDICAL COLLEGE, AJMER	AJMER
2193.	J.P. MORGAN CHASE	HYDERABAD
2194.	J.RAY MCDERMOTT ENGINEERING SERVICES PVT	CHENNAI
2195.	J2LOGIX PVT. LTD.	CHENNAI
2196.	JACOBS ENGINEERING INDIA PVT. LTD.	MUMBAI
2197.	JACOBS ENGINEERING INDIA PVT. LTD.	PUNE
2198.	JADHAO LAYLAND PVT. LTD.	AMRAVATI
2199.	JAIPRAKASH ASSOCIATES LTD.	KUTCHH
2200.	JAIPRAKASH ASSOCIATES LTD.	TUTICORIN
2201.	JAIPRAKASH ASSOCIATES LTD.	UNITECH HORIZON
2202.	JAMNA AUTO INDUSTRIES LTD.	GWALIOR
2203.	JASHANMAL & PARTNERS LTD.	HAWALLY
2204.	JASLOK HOSPITAL & RESEARCH CENTRE	MUMBAI
2205.	JASMIN INFO TECH PVT. LTD.	CHENNAI
2206.	JASPER INFOTECH PVT. LTD.	UDAIPUR
2207.	JAYPEE CEMENT CORPORATION LTD.	ROBERTSGANJ
2208.	JAYPEE GUJARAT CEMENT PLANT	BHUJ
2209.	JBM LTD.	GURGAON
2210.	JCB INDIA LTD.	AGRA
2211.	JCB INDIA LTD.	FARIDABAD
2212.	JCB INDIA LTD.	GHAZIABAD
2213.	JCB INDIA LTD.	NEW DELHI
2214.	JCB INDIA LTD.	PUNE
2215.	JCB INDIA LTD.	TUNDLA
2216.	JCB MANUFACTURING LTD.	PUNE
2217.	JDA SOFTWARE INDIA PVT. LTD.	HYDERABAD
2218.	JINDAL SAW LTD.	MUNDRA
2219.	JINDAL STEEL & POWER LTD.	ANGUL
2220.	JINDAL STEEL & POWER LTD.	GAJAPAT
2221.	JINDAL STEEL & POWER LTD.	RAIGARH
2222.	JK TYRE & INDUSTRIES LTD.	CHENGALPET
2223.	JK WHITE CEMENT WORKS, GOTAN	GOTAN
2224.	JOHN CRANE MIDDLE EAST & AFRICA	DUBAI
2225.	JOHN DEERE	PUNE
2226.	JOHN DEERE INDIA PVT. LTD.	BIJAPUR

2227.	JOHN DEERE INDIA PVT. LTD.	PUNE
2228.	JOHN DEERE TECHNOLOGY CENTER	PUNE
2229.	JOHNSON & JOHNSON LTD.	MUMBAI
2230.	JOHNSON CONTROLS AUTOMOTIVE LTD.	PUNE
2231.	JOHNSON CONTROLS AUTOMOTIVE LTD.	RAJGURUNAGAR
2232.	JOHNSON CONTROLS INDIA PVT. LTD.	PUNE
2233.	JOHNSON LIFTS PVT. LTD.	CHENNAI
2234.	JOSEPH EYE HOSPITAL	TRICHY
2235.	JP MORGAN	NEW DELHI
2236.	JP MORGAN CHASE	HYDERABAD
2237.	JP MORGAN CHASE BANK	THRISSUR
2238.	JP MORGAN CHASE INDIA PVT. LTD.	MUMBAI
2239.	JP MORGAN CHASE INDIA PVT. LTD.	SECUNDERABAD
2240.	JP MORGAN INDIA PVT. LTD.	MUMBAI
2241.	JP MORGAN SERVICES INDIA PVT. LTD.	BANGALORE
2242.	JP MORGAN SERVICES INDIA PVT. LTD.	HYDERABAD
2243.	JP MORGAN SERVICES INDIA PVT. LTD.	MUMBAI
2244.	JRD INTERNATIONAL	JABEL ALI
2245.	JSOFT SOLUTION LTD. (JSW GROUP)	MUMBAI
2246.	JSOFT SOLUTION LTD. (JSW GROUP)	PILANI
2247.	JSW STEEL LTD.	BELLARY
2248.	JSW STEEL LTD.	NEVI MUMBAI
2249.	JSW STEEL LTD.	SALEM
2250.	JSW STEEL LTD.	TORANAGALLU
2251.	JUBILANT LIFE SCIENCE	HOSUR
2252.	JUMA AL MAJID EST	TRICHY
2253.	JUNIPER NETWORKS INDIA PVT. LTD.	BANGALORE
2254.	JUNIPER NETWORKS INDIA PVT. LTD.	BODINAYAKANUR
2255.	JUNIPER NETWORKS INDIA PVT. LTD.	CHENNAI
2256.	JUNIPER NETWORKS INDIA PVT. LTD.	CHIDAMBARAM
2257.	JUNIPER NETWORKS INDIA PVT. LTD.	KRISHNAGIRI
2258.	JUNIPER NETWORKS INDIA PVT. LTD.	TRICHUR
2259.	JURONG AROMATICS CORPORATION PTE LTD.	SANKARAN KOVIL
2260.	JURONG AROMATICS CORPORATION PTE. LTD.	MADURAI
2261.	JURONG SHIPYARD PTE LTD.	SINGAPORE
2262.	K POINT TECHNOLOGIES PVT. LTD.	PUNE
2263.	K.A.PRECISION ENGINEERING	COIMBATORE
2264.	KAANE AMERICAN INTERNATIONAL TOBACCO COM	CHANDIGARH
2265.	KABRA EXTRUSIONTECHNIK LTD.	VAPI
2266.	KALYANI GERDAU STEELS LTD.	BELLARY
2267.	KALYANI THERMAL SYSTEMS LTD.	PUNE
2268.	KAMAZ VECTRA MOTORS LTD.	HOSUR
2269.	KAMRANS PROCESS CONTROL	CHENNAI
2270.	KAMRANS PROCESS CONTROL	NAGERCOIL
2271.	KANHATECH SOLUTION LTD.	BANGALORE
2272.	KANIN (INDIA)	LUDHIANA
2273.	KAPLAN INDIA	HYDERABAD
2274.	KAR CLINIC & HOSPITAL PVT. LTD.	BHUBANESWAR
2275.	KASEYA SOFTWARE INDIA PVT. LTD.	BANGALORE
2276.	KAVVERI TELECOM PRODUCTS LTD.	BANGALORE
2277.	KEANE (INTERNATIONAL) INDIA PVT. LTD.	CHENNAI
2278.	KEANE INDIA PVT. LTD.	CHENNAI
2279.	KEANE INDIA PVT. LTD.,	ERODE
2280.	KENDRIYA VIDYALAYA HEBBAL BANGALORE	BANGALORE
2281.	KENEXA AN IBM COMPANY	VISAKHAPATNAM
2282.	KENEXA TECHNOLOGIES PVT. LTD.	VISAKHAPATNAM
2283.	KENNA METAL	MYSORE
2284.	KENNAMETAL INDIA LTD.	BANGALORE
2285.	KENNAMETAL SHARED SERVICES PVT. LTD.	BANGALORE
2286.	KENTZ OVERSEAS LTD.	MANGAF
2287.	KERN LEARNING SOLUTIONS	BANGALORE
2288.	KERRY INGREDIENTS INDIA PVT. LTD.	CHENNAI

2289.	KG DESIGN SERVICES PVT. LTD.	COIMBATORE
2290.	KGHIROTEC ENGINEERING SERVICES (P) LTD.	COIMBATORE
2291.	KHALIFA UNIVERSITY	ABU DHABI
2292.	KHANSAHEB CIVIL ENGINEERING LLC	AL RASHIDIYA
2293.	KIE ENGINEERING PVT. LTD.	ROORKEE
2294.	KINAPSE INDIA LTD.	GURGAON
2295.	KING ABDULLAH UNIVERSITY OF SCIENCE &	JEDDAH
2296.	KIRLOSKAR OIL ENGINES LTD.	BELGAUM
2297.	KIRLOSKAR OIL ENGINES LTD.	CHENNAI
2298.	KIRLOSKAR OIL ENGINES LTD.	COIMBATORE
2299.	KIRLOSKAR OIL ENGINES LTD.	GOKAK
2300.	KIRLOSKAR OIL ENGINES LTD.	HUBLI
2301.	KIRLOSKAR OIL ENGINES LTD.	KOLHAPUR
2302.	KIRLOSKAR OIL ENGINES LTD.	PUNE
2303.	KIRTILALS JEWELLERS PVT. LTD.	COIMBATORE
2304.	KISHKINDA SOFTWARE LABS	BANGALORE
2305.	KJS INDIA PVT.LTD	ZAHIRABAD
2306.	KLAUS IT SOULTIONS	CHENNAI
2307.	KMITSOLUTIONS	COIMBATORE
2308.	KNEXIR CONSULTANT PVT. LTD.	NAVI MUMBAI
2309.	KNORR BREMSE	PUNE
2310.	KOBELCO CONSTRUCTION INDIA PVT. LTD.	CHENNAI
2311.	KODIAK NETWORKS	BANGALORE
2312.	KODIAK NETWORKS INDIA PVT. LTD.	BANGALORE
2313.	KOHINOOR COLLEGE OF PARAMEDICAL SCIENCES	MUMBAI
2314.	KOMATSU INDIA PVT. LTD.	TRICHY
2315.	KOMET PRECISION TOOLS IND PVT. LTD.	HUBLI
2316.	KOMET PRECISION TOOLS INDIA PVT. LTD.	BANGALORE
2317.	KONE CRANES INDIA PVT. LTD.	PUNE
2318.	KONE CRANES SHARED SERVICES INDIA	PUNE
2319.	KONE ELEVATOR INDIA PVT. LTD.	CHENNAI
2320.	KONE ELEVATOR INDIA PVT. LTD. CHENNAI	THIRUVALLUR
2321.	KONE MIDDLE EAST LLC	ABU DHABI
2322.	KONE MIDDLE EAST LLC	DUBAI
2323.	KONY IT SERVICES PVT. LTD.	HYDERABAD
2324.	KOREA PLANT SERVICE & ENGINEERING	WARAORA
2325.	KOTESHWAR SOFTWARE TECHNOLOGIES & CONS	BANGALORE
2326.	KOYAS FASTENERS PVT. LTD.,.	KANCHIPURAM
2327.	KOYO BEARINGS INDIA PVT. LTD.	KARNAL
2328.	KPIT CUMMINS INFOSYSTEMS LTD.	BANGALORE
2329.	KPIT CUMMINS INFOSYSTEMS LTD.	KOTTAYAM
2330.	KPIT CUMMINS INFOSYSTEMS LTD.	PUNE
2331.	KPIT TECHNOLOGIES LTD.	CHIDAMBARAM
2332.	KPIT TECHNOLOGIES LTD.	PUNE
2333.	KRAMSKI STAMPING & MOLDING INDIA PVT,LTD	VELLORE
2334.	KRATIN SOFTWARE SOLUTIONS PVT. LTD.	NAGPUR
2335.	KROHNE MARSHALL PVT. LTD. (FORBES MARSHAL)	PUNE
2336.	KRONOS SOLUTIONS INDIA PVT. LTD.	GHAZIABAD
2337.	KRONOS SYSTEMS INDIA PVT. LTD.	BANGALORE
2338.	KSB MIDDLE EAST FZE	DUBAI
2339.	KSK ENERGY VENTURES	HYDERABAD
2340.	KSPG AUTOMOTIVE INDIA PVT. LTD.	AURANGABAD
2341.	KUMAR PROCESS CONSULTANTS & CHEMICALS PV	MUMBAI
2342.	KUSALAVA INTERNATIONAL LTD.	GUNTUR
2343.	KUWAIT NATIONAL PETROLEUM COMPANY (THROU	MANGAF
2344.	KUWAIT OIL COMPANY	AHMADI
2345.	L & T VALVES LTD.	COIMBATORE
2346.	L&T CONSTRUCTION	BANGALORE
2347.	L&T CONSTRUCTION	BANSWARA
2348.	L&T CONSTRUCTION	CHENNAI
2349.	L&T CONSTRUCTION	COIMBATORE
2350.	L&T CONSTRUCTION	FARIDABAD

2351.	L&T CONSTRUCTION	HOWRAH
2352.	L&T CONSTRUCTION	NAMAKKAL
2353.	L&T CONSTRUCTION	RAJPURA
2354.	L&T CONSTRUCTION	TIRUNELVELI
2355.	L&T CONSTRUCTION	TITILAGARH
2356.	L&T IES (INTEGRATED ENGINEERING SERVICES	BANGALORE
2357.	L&T IES (INTEGRATED ENGINEERING SERVICES	BARODA
2358.	L&T IES (INTEGRATED ENGINEERING SERVICES	MYSORE
2359.	L&T IES (INTEGRATED ENGINEERING SERVICES	TRICHY
2360.	L&T IES (INTEGRATED ENGINEERING SERVICES	VADODARA
2361.	L&T INFOTECH LTD.	BANGALORE
2362.	L&T INFOTECH LTD.	CHENNAI
2363.	L&T INFOTECH LTD.	NAGPUR
2364.	L&T INFOTECH LTD.	NAVI MUMBAI
2365.	L&T INFOTECH LTD.	PERIYAKULAM
2366.	L&T INFOTECH LTD.	PUNE
2367.	L&T INTEGRATED ENGINEERING SERVICES	COIMBATORE
2368.	L&T INTEGRATED ENGINEERING SERVICES	KANNUR
2369.	L&T INTEGRATED ENGINEERING SERVICES	VADODARA
2370.	L&T MHI BOILERS PVT. LTD.	CHENNAI
2371.	L&T MHI BOILERS PVT. LTD.	SURAT
2372.	L&T MHI BOILERS PVT. LTD.	TRICHY
2373.	L&T MODULAR FABRICATION YARD LLC	SOHAR
2374.	L&T SHIPBUILDING LTD.	CHENNAI
2375.	L&T VALDEL ENGINEERING LTD.	CHENNAI
2376.	L&T VALVES LTD.	CHENNAI
2377.	L&T VALVES LTD.	PALAKKAD
2378.	L&T- WATER & RENEWABLE ENERGY IC	BANGALORE
2379.	L&T, ECC DIVISION	KIASTWAR
2380.	L.V. PRASAD EYE INSTITUTE	HYDERABAD
2381.	LAHMEYER INTERNATIONAL GMBH	VADALUR , CUDDALORE DISTR
2382.	LAKSHMI CARD CLOTHING MFG CO. PVT. LTD.	COIMBATORE
2383.	LAKSHMI MACHINE WORKS LTD.	COIMBATORE
2384.	LAMPRELL ENERGY	SHARJAH
2385.	LAMPRELL ENERGY LTD.	JEBEL ALI
2386.	LANCO INFRATECH LTD.	DELHI
2387.	LANCO INFRATECH LTD.	HYDERABAD
2388.	LANDIS+GYR	GHAZIABAD
2389.	LARSEN &TOUBRO LTD.	ABU DHABI
2390.	LARSEN &TOUBRO LTD.	AHMEDABAD
2391.	LARSEN &TOUBRO LTD.	AHMEDNAGAR
2392.	LARSEN &TOUBRO LTD.	AKOLA
2393.	LARSEN &TOUBRO LTD.	ALLAHABAD
2394.	LARSEN &TOUBRO LTD.	AMRAVATI
2395.	LARSEN &TOUBRO LTD.	AMRITSAR
2396.	LARSEN &TOUBRO LTD.	ANAND
2397.	LARSEN &TOUBRO LTD.	ANGUL
2398.	LARSEN &TOUBRO LTD.	ANPARA
2399.	LARSEN &TOUBRO LTD.	ANUMALA
2400.	LARSEN &TOUBRO LTD.	BALASORE
2401.	LARSEN &TOUBRO LTD.	BALLIA
2402.	LARSEN &TOUBRO LTD.	BALLY
2403.	LARSEN &TOUBRO LTD.	BANGALORE
2404.	LARSEN &TOUBRO LTD.	BAREILLY
2405.	LARSEN &TOUBRO LTD.	BATALA
2406.	LARSEN &TOUBRO LTD.	BATHINDA
2407.	LARSEN &TOUBRO LTD.	BELLARY
2408.	LARSEN &TOUBRO LTD.	BHARUCH
2409.	LARSEN &TOUBRO LTD.	BURDWAN
2410.	LARSEN &TOUBRO LTD.	CHAKDAHA
2411.	LARSEN &TOUBRO LTD.	CHANDAUJI

2412.	LARSEN & TOUBRO LTD.	CHANDRAPUR
2413.	LARSEN & TOUBRO LTD.	CHENNAI
2414.	LARSEN & TOUBRO LTD.	CHIDAMBARAM
2415.	LARSEN & TOUBRO LTD.	CHITTORGARH
2416.	LARSEN & TOUBRO LTD.	COIMBATORE
2417.	LARSEN & TOUBRO LTD.	CUDDALORE
2418.	LARSEN & TOUBRO LTD.	DAWAKA
2419.	LARSEN & TOUBRO LTD.	DOHA
2420.	LARSEN & TOUBRO LTD.	ERNAKULAM
2421.	LARSEN & TOUBRO LTD.	ERODE
2422.	LARSEN & TOUBRO LTD.	FARIDABAD
2423.	LARSEN & TOUBRO LTD.	GORAKHPUR
2424.	LARSEN & TOUBRO LTD.	GUDIVADA
2425.	LARSEN & TOUBRO LTD.	GURGAON
2426.	LARSEN & TOUBRO LTD.	HODAL
2427.	LARSEN & TOUBRO LTD.	HOOGLY
2428.	LARSEN & TOUBRO LTD.	HOWRAH
2429.	LARSEN & TOUBRO LTD.	HYDERABAD
2430.	LARSEN & TOUBRO LTD.	JABALPUR
2431.	LARSEN & TOUBRO LTD.	JAIPUR
2432.	LARSEN & TOUBRO LTD.	JAJPUR ROAD
2433.	LARSEN & TOUBRO LTD.	JOSHIMATH
2434.	LARSEN & TOUBRO LTD.	KADAPA
2435.	LARSEN & TOUBRO LTD.	KOLKATA
2436.	LARSEN & TOUBRO LTD.	KOTAURATLA
2437.	LARSEN & TOUBRO LTD.	LOWELL
2438.	LARSEN & TOUBRO LTD.	LUCKNOW
2439.	LARSEN & TOUBRO LTD.	MADURAI
2440.	LARSEN & TOUBRO LTD.	MAHISHADAL
2441.	LARSEN & TOUBRO LTD.	MANKUNDU
2442.	LARSEN & TOUBRO LTD.	MEICHERI
2443.	LARSEN & TOUBRO LTD.	MIRAJ
2444.	LARSEN & TOUBRO LTD.	MUMBAI
2445.	LARSEN & TOUBRO LTD.	MUSCAT
2446.	LARSEN & TOUBRO LTD.	MUVATTUPUZHA
2447.	LARSEN & TOUBRO LTD.	NAGAPATTINAM
2448.	LARSEN & TOUBRO LTD.	NAGPUR
2449.	LARSEN & TOUBRO LTD.	NAIHATI
2450.	LARSEN & TOUBRO LTD.	NAMAKKAL
2451.	LARSEN & TOUBRO LTD.	NAVI MUMBAI
2452.	LARSEN & TOUBRO LTD.	NEW DELHI
2453.	LARSEN & TOUBRO LTD.	PALAKKAD
2454.	LARSEN & TOUBRO LTD.	PANCHKULA
2455.	LARSEN & TOUBRO LTD.	PATNA
2456.	LARSEN & TOUBRO LTD.	PONDICHERRY
2457.	LARSEN & TOUBRO LTD.	PUDUKKOTTAI
2458.	LARSEN & TOUBRO LTD.	PUNE
2459.	LARSEN & TOUBRO LTD.	RAMNAD
2460.	LARSEN & TOUBRO LTD.	RAYAGADA
2461.	LARSEN & TOUBRO LTD.	REWA
2462.	LARSEN & TOUBRO LTD.	ROCKFORD
2463.	LARSEN & TOUBRO LTD.	RUDRAPRAYAG
2464.	LARSEN & TOUBRO LTD.	RUWI
2465.	LARSEN & TOUBRO LTD.	SALEM
2466.	LARSEN & TOUBRO LTD.	SHARJAH
2467.	LARSEN & TOUBRO LTD.	SINGRAULI
2468.	LARSEN & TOUBRO LTD.	SIVAGANGAI
2469.	LARSEN & TOUBRO LTD.	SOHAR
2470.	LARSEN & TOUBRO LTD.	TANJORE
2471.	LARSEN & TOUBRO LTD.	TAPI
2472.	LARSEN & TOUBRO LTD.	THANE
2473.	LARSEN & TOUBRO LTD.	THANJAVUR

2474.	LARSEN & TOUBRO LTD.	THENI
2475.	LARSEN & TOUBRO LTD.	THIRUTHANGAL
2476.	LARSEN & TOUBRO LTD.	THIRUVARUR
2477.	LARSEN & TOUBRO LTD.	THRISSUR
2478.	LARSEN & TOUBRO LTD.	TIRUNELVELI
2479.	LARSEN & TOUBRO LTD.	TIRUPUR
2480.	LARSEN & TOUBRO LTD.	TIRUVANNAMALAI
2481.	LARSEN & TOUBRO LTD.	TRICHIRAPALLI
2482.	LARSEN & TOUBRO LTD.	TRICHY
2483.	LARSEN & TOUBRO LTD.	UTTARPARA
2484.	LARSEN & TOUBRO LTD.	VADALUR
2485.	LARSEN & TOUBRO LTD.	VADODARA
2486.	LARSEN & TOUBRO LTD.	VARANASI
2487.	LARSEN & TOUBRO LTD.	VELLORE
2488.	LARSEN & TOUBRO LTD.	VISAKHAPATNAM
2489.	LARSEN & TOUBRO LTD.	VYARA
2490.	LARSEN & TOUBRO LTD.	W Aidhan
2491.	LATA POWER CONTROL ENGINEERS P. LTD.	NASHIK
2492.	LAVA INTERNATIONAL LTD.	NOIDA
2493.	LAVASA CORPORATION LTD.	PUNE
2494.	LEAR AUTOMOTIVE INDIA PVT. LTD.	THANE
2495.	LEEBOY INDIA CONSTRUCTION EQUIP (P) LTD.	BANGALORE
2496.	LEFEBVRE ENGINEERING	SHARJAH
2497.	LEGRAND SNC FZE	DUBAI
2498.	LEKHA WIRELESS SOLUTIONS PVT. LTD.	BANGALORE
2499.	LENOVO INDIA PVT. LTD.	BANGALORE
2500.	LEO TECHNOSOFT PVT. LTD.	PHALTAN
2501.	LEXMARK INDIA PVT. LTD.	KOLKATA
2502.	LG ELECTRONICS INDIA PVT. LTD.	ALWAR
2503.	LG ELECTRONICS INDIA PVT. LTD.	CHENNAI
2504.	LG ELECTRONICS INDIA PVT. LTD.	GHAZIABAD
2505.	LG SOFT INDIA PVT. LTD.	BANGALORE
2506.	LG SOFT INDIA PVT. LTD.	SHIMOGA
2507.	LIBENTE ONLINE PVT. LTD.	CHENNAI
2508.	LINDE ENGINEERING INDIA PVT. LTD.	VADODARA
2509.	LINDE INDIA LTD.	KOLKATA
2510.	LINGUANEXT TECHNOLOGIES PVT. LTD.	PUNE
2511.	LIQUIDHUB INDIA PVT. LTD.	HYDERABAD
2512.	LISTER TECHNOLOGIES (P) LTD.	CHENNAI
2513.	LITE-ON MOBILE INDIA PVT. LTD.	KANCHIPURAM
2514.	LIVE CONNECTIONS	CHENNAI
2515.	LM ERICSSON LTD.,	BANGALORE
2516.	LM WIND POWER TECHNOLOGIES INDIA PVT. LTD.	BANGALORE
2517.	LM WIND POWER TECHNOLOGIES INDIA PVT. LTD.	HASSAN
2518.	LM WINDPOWER TECHNOLOGIES (INDIA) PVT. LTD.	BANGALORE
2519.	LMS INDIA ENGINEERING SOLUTIONS PVT. LTD.	CHENNAI
2520.	LMS INDIA ENGINEERING SOLUTIONS PVT. LTD.	SILVASSA
2521.	LNT INFOTECH	BANGALORE
2522.	LNVT TECHNOLOGY PVT. LTD.	CHENNAI
2523.	LOCUZ ENTERPRISE SOLUTIONS	CHENNAI
2524.	LOGICA INDIA LTD.	CHENNAI
2525.	LOGICA PVT. LTD. (A CGI GROUP COMPANY)	CHENNAI
2526.	LOGICA PVT. LTD., NOW PART OF CGI	CHENNAI
2527.	LOGITECH ENGINEERING & DESIGNS PVT. LTD.	CHENNAI
2528.	LOKESH MACHINES LTD.	HYDERABAD
2529.	LPSC/ISRO, GOVT. OF INDIA	BANGALORE
2530.	LSI INDIA R&D PVT. LTD.	BANGALORE
2531.	LSI INDIA RESEARCH & DEVELOPMENT PVT. LTD.	BANGALORE
2532.	LUCAS TVS LTD.	CHENNAI
2533.	LUCAS TVS LTD.	REWARI
2534.	LUCAS TVS PVT. LTD.	PUDUCHERRY
2535.	LUCAS-TVS	CHENNAI

2536.	LUCAS-TVS	KARUR
2537.	LUCAS-TVS LTD.	CHENNAI
2538.	LUCAS-TVS LTD.	REWARI
2539.	LUCENT TECHNOLOGIES INDIA LTD.	BANGALORE
2540.	LUCID IMAGING PVT. LTD.	BANGALORE
2541.	LUCID SOFTWARE LTD.	ERODE
2542.	LUCID SOFTWARE LTD.	NAMAKKAL
2543.	LUCID SOFTWARE LTD.	THIRUVALLUR
2544.	LUK INDIA PVT. LTD.	DHARMAPURI
2545.	LUK INDIA PVT. LTD.	HOSUR
2546.	LUK INDIA PVT. LTD.	HOSUR
2547.	LUK INDIA PVT. LTD.	NAVI MUMBAI
2548.	LUK INDIA PVT. LTD.	VETTAVALAM
2549.	LUMEDX INDIA HEALTHCARE TECHNOLOGIES PVT.LTD.	PUNE
2550.	LUMINESCENT SOFTWARE PVT. LTD.	TRIVANDRUM
2551.	LUPIN LTD.	MUMBAI
2552.	LYCA TECHNOLOGIES SOLUTIONS PVT. LTD.	CHENNAI
2553.	M J CASTING LTD., HOSUR	HOSUR
2554.	M&M LTD. ,NAGPUR	NAGPUR
2555.	M/S, TITAN COMPANY LTD.	HOSUR
2556.	M/S. LARSEN & TOUBRO LTD.	RAIPUR
2557.	M/S. PRATIK & RITVIK CONSTRUCTIONS	MARGAO
2558.	M/S.AL MAZROUEI BOWYER BUILDING LLC	DUBAI
2559.	M/S.ALSTOM T&D INDIA LTD.,	CUDDALORE
2560.	M/S.BINGHALIB ENGINEERING INDU. L.L.C	SHARJAH
2561.	M/S.CIRCOR FLOW TECHNOLOGIES INDIA P LTD.	UTHAMAPALAYAM TK
2562.	M/S.COLORLINES PRINTING PRESS	DIERA
2563.	M/S.FORCE MOTORS LTD.	CHENNAI
2564.	M/S.GODREJ&BOYCE MFG. CO. LTD.	MUMBAI
2565.	M/S.INDIAN STEELS CORPORATION LTD.	GANDHIDAM
2566.	M/S.L&T HYDROCARBON ENGINEERING LTD.	SHARJAH
2567.	M/S.LARSEN & TOUBRO LTD.	KAKINADA
2568.	M/S.TITAN INDUSTRIES LTD.,	BANGALORE
2569.	M/S.VAATA INFRA PVT. LTD.	CHENNAI
2570.	MACAWBER BEEKAY PVT. LTD.	JAIPUR
2571.	MACNET ENGINEERING PVT. LTD.	CHENNAI
2572.	MACROSOFT IT SOLUTIONS INDIA PVT. LTD.	LUCKNOW
2573.	MADEEN ALUMINIUM COMPANY	AL-KHOBAR
2574.	MADOX TECHNOLOGIES	BANGALORE
2575.	MADRAS CEMENTS LTD.	ALATHIYUR
2576.	MADRAS CEMENTS LTD.	ARIYALUR
2577.	MADRAS CEMENTS LTD.	MADURAI
2578.	MADRAS MEDICAL MISSION	CHENNAI
2579.	MAERSK GLOBAL SERVICE CENTRE (INDIA) PVT.LTD.	PUNE
2580.	MAERSK GLOBAL SERVICES	CHENNAI
2581.	MAFFEI PROJECTS INDIA PVT. LTD.	BANGALORE
2582.	MAGIC SOFTWARE	NOIDA
2583.	MAGIC SOFTWARE PVT. LMT	FARIDABAD
2584.	MAGNA COSMA INTERNATIONAL (INDIA)PVT LTD.	MALAPPURAM
2585.	MAGNA INFOTECH PVT. LTD.	BANGALORE
2586.	MAGNA INFOTECH PVT. LTD.	NEW DELHI
2587.	MAGNA SOFT CONSULTING INDIA PVT. LTD.	THANE
2588.	MAGNA STEYR INDIA PVT. LTD.	PUNE
2589.	MAGNAQUEST TECHNOLOGIES LTD.	HYDERABAD
2590.	MAGNAQUEST TECHNOLOGIES LTD.	KANPUR
2591.	MAGNASOFT CONSULTING INDIA PVT. LTD.	BANGALORE
2592.	MAGNATI MARELLI UM ELECTRONICS SYSTEMS P	GURGAON
2593.	MAGNETI MARELLI	GHAZIABAD
2594.	MAGNETI MARELLI UM ELECTRONIC SYSTEMS PV	GURGAON
2595.	MAHALAKSHMI INDUSTRIES	HOSUR
2596.	MAHANAGAR TELEPHONE NIGAM LTD.	MUMBAI
2597.	MAHARASHTRA NATURAL GAS LTD.	PUNE

2598.	MAHIANDRAREVA ELECTRICALS VEHICLES P	WARANGAL
2599.	MAHIDHARA PROJECTS PVT. LTD.	HYDERABAD
2600.	MAHINDRA & MAHINDRA LTD.	CHANDRAPUR
2601.	MAHINDRA & MAHINDRA LTD.	CHENGALPATTU
2602.	MAHINDRA & MAHINDRA LTD.	CHENGALPET
2603.	MAHINDRA & MAHINDRA LTD.	CHENNAI
2604.	MAHINDRA & MAHINDRA LTD.	DHAMPUR
2605.	MAHINDRA & MAHINDRA LTD.	HYDERABAD
2606.	MAHINDRA & MAHINDRA LTD.	KASARE
2607.	MAHINDRA & MAHINDRA LTD.	LUCKNOW
2608.	MAHINDRA & MAHINDRA LTD.	MADURAI
2609.	MAHINDRA & MAHINDRA LTD.	MOHALI
2610.	MAHINDRA & MAHINDRA LTD.	NAGPUR
2611.	MAHINDRA & MAHINDRA LTD.	NASHIK
2612.	MAHINDRA & MAHINDRA LTD.	PALANI
2613.	MAHINDRA & MAHINDRA LTD.	PUNE
2614.	MAHINDRA & MAHINDRA LTD.	RUDRAPUR
2615.	MAHINDRA & MAHINDRA LTD.	THANE
2616.	MAHINDRA & MAHINDRA LTD.	ZAHEERABAD
2617.	MAHINDRA COMVIVA	BANGALORE
2618.	MAHINDRA COMVIVA	DELHI
2619.	MAHINDRA ENGG SERVICES -M&M	KANCHIPURAM
2620.	MAHINDRA ENGINEERING SERVICES	PUNE
2621.	MAHINDRA NAVISTAR AUTOMOTIVE LTD.	BANGALORE
2622.	MAHINDRA NAVISTAR ENGINES PVT. LTD.	PUNE
2623.	MAHINDRA REVA ELECTRIC VEHICLES PVT. LTD.	BANGALORE
2624.	MAHINDRA SATYAM COMPUTER SERVICES PVT. LTD.	BANGALORE
2625.	MAHINDRA SATYAM COMPUTER SERVICES PVT. LTD.	CHENNAI
2626.	MAHINDRA SATYAM COMPUTER SERVICES PVT. LTD.	GHAZIABAD
2627.	MAHINDRA SATYAM COMPUTER SERVICES PVT. LTD.	GUNTUR
2628.	MAHINDRA SATYAM COMPUTER SERVICES PVT. LTD.	HYDERABAD
2629.	MAHINDRA SATYAM COMPUTER SERVICES PVT. LTD.	KAKINADA
2630.	MAHINDRA SATYAM COMPUTER SERVICES PVT. LTD.	KARIMNAGAR
2631.	MAHINDRA SATYAM COMPUTER SERVICES PVT. LTD.	PUNE
2632.	MAHINDRA TRUCKS & BUSES LTD.	PUNE
2633.	MAHINDRA TRUCKS & BUSES LTD.	ZAHEERABAD
2634.	MAHINDRA TWO WHEELERS	DHULE
2635.	MAHINDRA UGINE STEEL CO LTD.	PUNE
2636.	MAHINDRA VEHICLE MANUFACRURES	SHRIRAMPUR
2637.	MAHINDRA VEHICLE MANUFACTURERS	SOLAPUR
2638.	MAHINDRA VEHICLE MANUFACTURERS LTD.	BHOPAL
2639.	MAHINDRA VEHICLE MANUFACTURERS LTD.	DHULE
2640.	MAHINDRA VEHICLE MANUFACTURERS LTD.	PUNE
2641.	MAHLE FILTER SYSTEMS (INDIA) LTD.	GURGAON
2642.	MAIHAR CEMENT	MAIHAR
2643.	MAIHAR CEMENT (PROP. CENTURY TEXTILES &	SATNA
2644.	MAKINO AUTO IND. PVT. LTD.	DELHI
2645.	MAKINO INDIA PVT. LTD.	BANGALORE
2646.	MAMIGO TECHNOLOGY SOLUTIONS PVT. LTD.	BANGALORE
2647.	MANATEC ELECTRONICS PVT. LTD.	KANCHIPURAM
2648.	MANDO AUTOMOTIVE INDIA LTD.	CHENNAI
2649.	MANDO INDIA STEERING	CHENNAI
2650.	MANHATTAN ASSOCIATES	BANGALORE
2651.	MANUFACTURING INTEGRATION TECHNOLOGY LTD.	SINGAPORE
2652.	MAPCO LLC	ABU DHABI
2653.	MAPLES ESM TECHNOLOGIES	CHENNAI
2654.	MAPLETON INFOTECH PVT. LTD.	BANGALORE
2655.	MARATHON ELECTRIC INDIA PVT. LTD.	ROORKEE
2656.	MARICO LTD.	GORIMEDU
2657.	MARICO LTD.	PONDA
2658.	MARLABS	BANGALORE
2659.	MARLABS INC	TRIVANDRUM

2660.	MARLABS SOFTWARE PVT. LTD.	BANGALORE
2661.	MARS GCC	AL MAJAZ
2662.	MARS INTERNATIONAL INDIA PVT. LTD.	SECUNDERABAD
2663.	MARS TELECOM SYSTEMS PVT. LTD.	HYDERABAD
2664.	MARUTI SUZUKI INDIA LTD.	BHARATPUR
2665.	MARUTI SUZUKI INDIA LTD.	GURGAON
2666.	MARVELL INDIA PVT. LTD.	NAGPUR
2667.	MARVELL INDIA PVT. LTD.	PUNE
2668.	MAS CALL NET INDIA PVT. LTD.	NEW DELHI
2669.	MASTERSYS TECH PVT. LTD.	CHENNAI
2670.	MASTERSYS TECH PVT. LTD.	PUDUCHERRY
2671.	MATA CHANAN DEVI HOSPITAL	DELHI
2672.	MATEX NET PVT. LTD.	DELHI
2673.	MATRIX LABORATORIES LTD.	HYDERABAD
2674.	MATTOX SOLUTIONS	HYDERABAD
2675.	MAVENIR SYSTEMS	BANGALORE
2676.	MAVENIR SYSTEMS	THRISSUR
2677.	MAVERIC SYSTEMS PVT. LTD.	CHENNAI
2678.	MAVERIK VENTURES	NEW DELHI
2679.	MAXIM INDIA INTEGRATED CIRCUIT DESIGN PV	BANGALORE
2680.	MAXIM INTEGRATED INDIA PVT. LTD.	BANGALORE
2681.	MAXIM SMT TECHNOLOGIES PVT. LTD.,	NOIDA
2682.	MAYUR HOSPITAL & RESEARCH CENTRE	INDORE
2683.	MCAFEE SOFTWARE INDIA PVT. LTD.	BANGALORE
2684.	MCAFEE SOFTWARE INDIA PVT. LTD.	PUNE
2685.	MCDERMOTT MIDDLE EAST	DUBAI
2686.	MCNALLY BHARAT ENGINEERING COMPANY LTD.	HOOGHLY
2687.	MECHMATICS ENGINEERING PVT. LTD.	AHMEDABAD
2688.	MEDHA SERVO DRIVES PVT. LTD.	HYDERABAD
2689.	MEDIA LAB ASIA	DELHI
2690.	MEERA & COMPANY LTD.	BATHINDA
2691.	MEERA & COMPANY LTD.	LUDHIANA
2692.	MEGA RUBBER TECHNOLOGIES PVT. LTD.	MADURAI
2693.	MEGATECH CONTROL FZCO	CHENNAI
2694.	MEGATECH CONTROL LLC	KUNDAPURA
2695.	MEHRO CONSULTANTS	NEW DELHI
2696.	MEMF ETA SWITCH GEAR MANUFACTURING COMPA	COIMBATORE
2697.	MEMF ETA SWITCHGEAR MANUFACTURING COMPAN	BARMER
2698.	MEMF-ETA SWITCHGEAR MANUFACTURING COMPAN	RIYADH
2699.	MEMF-ETA SWITCHGEAR MFG. CO.	SANGLI
2700.	MENTOR GRAPHICS	NOIDA
2701.	MERCEDES BENZ R & D INDIA PVT. LTD.	BANGALORE
2702.	MERCEDES BENZ R&D INDIA	BANGALORE
2703.	MERCEDES BENZ RESEARCH & DEVELOPMENT I	BANGALORE
2704.	MERCEDES-BENZ INDIA PVT. LTD.	KOLKATA
2705.	MERCEDES-BENZ R&D INDIA PVT. LTD.	MYSORE
2706.	MERCEDES-BENZ R&D INDIA PVT. LTD.	PUNE
2707.	MERCEDES-BENZ RESEARCH & DEVELOPMENT I	BANGALORE
2708.	MERCEDES-BENZ RESEARCH & DEVELOPMENT I	CHENNAI
2709.	MERCEDESBENZ RESEARCH&DEVLOPMENT LTD.	BANGALORE
2710.	MERCER	DELHI
2711.	MERIDIUM SERVICES & LABS-INDIA	BANGALORE
2712.	MERRILL LYNCH INDIA TECHNOLOGY SERVICES	CHENNAI
2713.	META CUBE SOFTWARE PVT. LTD.	PUNE
2714.	METACUBE SOFTWARE PVT. LTD.	JAIPUR
2715.	METALSA INDIA PVT. LTD.	SARAIKELA
2716.	METAMINDS SOFTWARE SOLUTIONS LTD.	HYDERABAD
2717.	METEXIM SOURCING PVT.LTD	KANYAKUMARI
2718.	METHODIST CHURCH IN INDIA - ETCM HOSPITA	KOLAR
2719.	METITO (OVERSEAS) LTD.	SHARJAH
2720.	METITO OVERSEAS LTD.	TRICHY
2721.	METRICSTREAM INFOTECH (INDIA) PVT. LTD.	BANGALORE

2722.	METSO AUTOMATION INDIA PVT. LTD.	NAVI MUMBAI
2723.	METTLER TOLEDO INDIA PVT. LTD.	NAVI MUMBAI
2724.	METTLER TOLEDO TURING SOFTWARES	DINDIGUL
2725.	MFORMATION SOFTWARE TECHNOLOGIES PVT. LT	BANGALORE
2726.	MHB FILTER INDIA PVT. LTD.	AKKALKOT
2727.	MICHELIN INDIA TAMILNADU TYRES PVT. LTD.	ARAKKONAM
2728.	MICHELIN INDIA TAMILNADU TYRES PVT. LTD.	CHENNAI
2729.	MICHELIN INDIA TAMILNADU TYRES PVT. LTD.	TIRUCHIRAPPALLI
2730.	MICO BOSCH	BANGALORE
2731.	MICRO LABS LTD.	BANGALORE
2732.	MICROCHIP TECHNOLOGY INC	BANGALORE
2733.	MICROGENESIS CADSOFT PVT. LTD.	BANGALORE
2734.	MICROLAND PVT. LTD.	BANGALORE
2735.	MICROMATIC MACHINE TOOLS PVT. LTD.	COIMBATORE
2736.	MICRON - SINGAPORE	SINGAPORE
2737.	MICRON SEMICONDUCTOR ASIA LTD.	SINGAPORE
2738.	MICRON SEMICONDUCTOR ASIA PTE LTD.	WOODLANDS
2739.	MICROSOFT INDIA R & D PVT. LTD.	BANGALORE
2740.	MICROSOFT INDIA R & D PVT. LTD.	DELHI
2741.	MICROSOFT INDIA R & D PVT. LTD.	HYDERABAD
2742.	MICROSOFT INDIA R & D PVT. LTD.	JAIPUR
2743.	MIDAS COMMUNICATION TECHNOLOGIES	CHENNAI
2744.	MIDDLEBY INDIA ENGINEERING PVT. LTD.	BANGALORE
2745.	MIDDLEBY INDIA ENGINEERING PVT. LTD.	KAIWARA
2746.	MIDDLEEAST PRESTRESSING LLC	TIRUNELVELI
2747.	MIDEAST DATA SYSTEM-PACC	DUBAI
2748.	MIL CONTROLS LTD.	THIRUVANANTHAPURAM
2749.	MILLENNIUM TECHNOSOFT LTD.	HYDERABAD
2750.	MINDA FURUKAWA ELECTRIC PVT. LTD.	KALKA
2751.	MINDA FURUKAWA ELECTRIC PVT. LTD.	NARNAUL
2752.	MINDA INDUSTRIES LTD.	PUNE
2753.	MINDA SILCA ENGG. LTD.	KARNAL
2754.	MINDA STONE RIDGE INSTRUMENTS LTD.	PUNE
2755.	MINDARIKA PVT. LTD.	CHENNAI
2756.	MINDARIKA PVT. LTD.	GURGAON
2757.	MINDFIRE SOLUTIONS	CUTTACK
2758.	MINDSPEED TECHNOLOGIES PVT. LTD.	HYDERABAD
2759.	MINDSQUARE TECHNOLOGIES (INDIA) PVT. LIM	BANGALORE
2760.	MINDTECK INDIA LTD.	BANGALORE
2761.	MINDTREE LTD.	BANGALORE
2762.	MINDTREE LTD.	CHENNAI
2763.	MINDTREE LTD.	COCHIN
2764.	MINDTREE LTD.	DHARWAD
2765.	MINDTREE LTD.	JAMKHANDI
2766.	MINDTREE LTD.	PUNE
2767.	MINDTREE LTD.	SALEM
2768.	MINDTREE LTD.	URAPAKKAM
2769.	MINDTREE LTD.	VRIDHACHALAM
2770.	MINISTRY OF DEFENCE, GOVT OF INDIA	NEW DELHI
2771.	MINISTRY OF DEFENCE,CORPS OF SIGNALS	MHOW
2772.	MINISTRY OF HIGHER EDUCATION, SAU	LUCKNOW
2773.	MIRAFRA TECHNOLOGIES PVT. LTD.	HISAR
2774.	MIRC ELECTRONICS LTD.	NAVI MUMBAI
2775.	MISTRAL SOLUTIONS PVT. LTD.	BANGALORE
2776.	MISYS SOFTWARE SOLUTIONS (INDIA) PVT. LT	BANGALORE
2777.	MITSUI ELASTOMERS SINGAPORE PVT. LTD.	PARAMAKUDI
2778.	MIZORAM STATE E-GOVERNANCE SOCIETY	AIZAWL
2779.	MOBAX NETWORKS PVT. LTD.	COIMBATORE
2780.	MOBILY INFOTECH INDIA PVT. LTD.	SALEM
2781.	MODEL INSTITUTE OF ENGG & TECHNOLOGY	JAMMU
2782.	MODEL INSTITUTE OF ENGINEERING & TECHNOL	JAMMU
2783.	MODERN GULF TECHNICAL TRADING & CONTRACT	RUWI

2784.	MODERN METAL CRAFTS	HYDERABAD
2785.	MODERN REFRIGERATION SERVICES, SANGLI	SANGLI
2786.	MODINE THERMAL SYSTEM	CHENNAI
2787.	MODULAR INFOTECH PVT. LTD.	PUNE
2788.	MODULAR MINING SYSTEMS	PUNE
2789.	MOHINDRA FASTENERS LTD.	FARIDABAD
2790.	MOJJ ENGINEERING SYSTEMS LTD.	NASIK
2791.	MOLEX INDIA PVT,LTD	KANNUR
2792.	MOLEX INDIA PVT. LTD.	BANGALORE
2793.	MOLEX INDIA PVT. LTD.	CHENNAI
2794.	MONARCH INNOVATIVE TECHNOLOGIES PVT. LTD.	MUMBAI
2795.	MOSER BAER INDIA LTD.	GREATER NOIDA
2796.	MOTHERHOOD HOSPITALS CHENNAI	CHENNAI
2797.	MOTHERSON AUTOMOTIVE ELASTOMERS TECHNOLO	CHENNAI
2798.	MOTHERSONSUMI INFOTECH & DESIGNS LTD.	KURNOOL
2799.	MOTOROLA MOBILITY INDIA PVT. LTD.	CALICUT
2800.	MOTOROLA SOLUTIONS	BANGALORE
2801.	MOTOROLA SOLUTIONS INDIA PVT. LTD.	BANGALORE
2802.	MOTOROLA SOLUTIONS, INC	BANGALORE
2803.	MOTT MACDONALD LLC	ABU DHABI
2804.	MOTT MACDONALD, ABU DHABI,	ABU DHABI
2805.	MPHASIS AN HP COMPANY	AHMEDABAD
2806.	MPHASIS AN HP COMPANY	BANGALORE
2807.	MPHASIS AN HP COMPANY	CHENNAI
2808.	MPHASIS AN HP COMPANY	DHARMAPURI
2809.	MPHASIS AN HP COMPANY	KANNUR
2810.	MPHASIS AN HP COMPANY	PUNE
2811.	MPHASIS AN HP COMPANY	WARANGAL
2812.	MPS LTD.	CHENNAI
2813.	MPS LTD.	DELHI
2814.	MRF LTD.	CHENNAI
2815.	MRF LTD.	MEDAK
2816.	MRV INFOTECH INDIA PVT. LTD.	CHENNAI
2817.	MS MAHINDRA SATYAM	BANGALORE
2818.	MS TECHNOLOGY PVT. LTD.	NEW DELHI
2819.	MSCRIPTS SYSTEMS INDIA PVT. LTD.	TUMKUR
2820.	MTANDT PVT. LTD.	CHENNAI
2821.	MU SIGMA BUSINESS SOLUTIONS PVT. LTD.	BANGALORE
2822.	MUHARRAQ STP BSC., BAHRAIN	TRICHY
2823.	MUKAND LTD.	NAVI MUMBAI
2824.	MURUGAPPA MORGAN THERMAL CERAMICS LTD.	CHENNAI
2825.	MURUGAPPA MORGAN THERMAL CERAMICS LTD.	GANDHINAGAR
2826.	MUSANDUM INTERNATIONAL GEN. TRD. LLC	SHARJAH
2827.	MUSASHI AUTO PARTS	HINDUPUR
2828.	MUSASHI AUTO PARTS INDIA PVT. LTD.	MYSORE
2829.	MWH RESOURCENET INDIA PVT. LTD.	CHENNAI
2830.	MYLAN LABORATORIES LTD.	HYDERABAD
2831.	MYOUNG SHIN INDIA AUTOMOTIVE PVT. LTD.	CHENNAI
2832.	MYSMARTPRICE WEB TECHNOLOGY PVT. LTD.	SIDDIPET
2833.	MYSORE MEDICAL COLLEGE & RESEARCH INST.	MYSORE
2834.	MZOUN MECHANICAL SERVICES LLC	DUBAI
2835.	N. B. TECHNOLOGIES	PUNE
2836.	NAC GROUP	AURANGABAD
2837.	NAFFCO ELECTRO MECHANICAL.,	ABU DHABI
2838.	NAFFCO ELECTROMECHANICAL	ABU DHABI
2839.	NAGARAJUNA OIL CORPORATION LTD.	PUDUCHERRY
2840.	NAGARJUNA OIL CORPORATION LTD.	TRICHY
2841.	NAMA MOTT MACDONALD LLC	ABU DHABI
2842.	NAMA MOTTMACDONALD	ABU DHABI
2843.	NAMO NARAYAN INDUSTRIES	VALANCHERY
2844.	NAPINO AUTO & ELECTRONICS LTD.	FARIDABAD
2845.	NAPINO AUTO & ELECTRONICS LTD.	GURGAON

2846.	NARUS NETWORKS	THIRUVALLUR
2847.	NASCON ENGINEERING LTD.	ABU DHABI
2848.	NATIONAL AEROSPACE LABORATORIES	BANGALORE
2849.	NATIONAL ASSESSEMENT & ACCREDITATION C	BANGALORE
2850.	NATIONAL CENTRAL COOLING COMPANY(TABREED	DUBAI
2851.	NATIONAL CENTRE FOR BIOLOGICAL SCIENCES	BANGALORE
2852.	NATIONAL CONTRACTING COMPANY	ALMUSHRIF
2853.	NATIONAL CONTRACTING COMPANY LTD. (QATAR)	CHENNAI
2854.	NATIONAL COUNCIL OF SCIENCE MUSEUM	KOLKATA
2855.	NATIONAL FERTILIZERS LTD.	PANIPAT
2856.	NATIONAL INFORMATIC CENTRE(NIC), MIZORAM	AIZAWL
2857.	NATIONAL INSTITUTE FOR EMPOWERMENT OF PE	CHENNAI
2858.	NATIONAL INSTITUTE OF ELECTRONICS & IT	KOHIMA
2859.	NATIONAL INSTITUTE OF TECHNOLOGY MANIPUR	IMPHAL
2860.	NATIONAL INSTRUMENTS INDIA PVT. LTD.	GUNTUR
2861.	NATIONAL INSTU. OF OPHTHALMIC SCIENCES	MALAYSIA
2862.	NATIONAL MARINE DREDGING COMPANY	ABU DHABI
2863.	NATIONAL PETROLEUM CONSTRUCTION CO.	ABU DHABI
2864.	NATIONAL REMOTE SENSING CENTRE	SECUNDERABAD
2865.	NAVISTAR INTERNATIONAL PVT. LTD.	SOLAPUR
2866.	NBC BEARINGS (NEI LTD.)	JAIPUR
2867.	NCR CORPORATION	DUBAI
2868.	NCR CORPORATION INDIA PVT. LTD.	GURGAON
2869.	NCR CORPORATION INDIA PVT. LTD.	HYDERABAD
2870.	NCR CORPORATION INDIA PVT. LTD.	PUDUCHERRY
2871.	NDIIT & MGMT.	RAEBARELI
2872.	NDS SERVICES PAY-TV TECHNOLOGY PVT. LTD.	BANGALORE
2873.	NDS SERVICES PAY-TV TECHNOLOGY PVT. LTD.	GUSHKARA
2874.	NE TECHNOLOGIES PVT. LTD.	HYDERABAD
2875.	NEC TECHNOLOGIES INDIA LTD.	NEW DELHI
2876.	NEEL AUTO PVT. LTD.	THIRUVANNAMALAI
2877.	NEEV INFORMATION TECHNOLOGIES	BANGALORE
2878.	NEEV INFORMATION TECHNOLOGIES PVT. LTD.	NANDED
2879.	NELITO SYSTEMS LTD.	DELHI
2880.	NEMAK ALUMINIUM CASTINGS INDIA PVT. LTD.	CHENNAI
2881.	NEMCARE HOSPITAL, GHY, ASSAM	GUWAHATI
2882.	NEO STRUCTO CONSTRUCTION PVT. LTD.	SURAT
2883.	NESH TECNOLOGIES PVT. LTD.	CHENNAI
2884.	NESS SOFTWARE SERVICES PVT. LTD.	BANGALORE
2885.	NESS TECHNOLOGIES	BANGALORE
2886.	NESS TECHNOLOGIES INDIA PVT. LTD.	BANGALORE
2887.	NESS TECHNOLOGIES INDIA PVT. LTD.	CHENNAI
2888.	NEST TECHNOLOGIES LTD.	KOTTAYAM
2889.	NEST TECHNOLOGIES LTD.	MALAPPURAM
2890.	NEST TECHNOLOGIES LTD.	TRIVANDRUM
2891.	NET SOLUTIONS	CHANDIGARH
2892.	NETAPP	BANGALORE
2893.	NETAPP	CHANDOR
2894.	NETAPP INC.	BANGALORE
2895.	NETAPP INDIA	BANGALORE
2896.	NETAPP INDIA PVT. LTD.	BANGALORE
2897.	NETAPP INDIA PVT. LTD.	BANGALORE
2898.	NETCRACKER	UDUPI
2899.	NETENRICH TECHNOLOGIES	HYDERABAD
2900.	NETSCOUT SYSTEMS	HYDERABAD
2901.	NETWORK SYSTEMS & TECHNOLOGIES (P) LTD.	BANGALORE
2902.	NETWORK SYSTEMS & TECHNOLOGIES	TRIVANDRUM
2903.	NETWORK SYSTEMS & TECHNOLOGIES (P) LTD.	KANYAKUMARI
2904.	NETWORK SYSTEMS & TECHNOLOGIES (P) LTD.	KANNUR
2905.	NETWORK SYSTEMS & TECHNOLOGIES (P) LTD.	TRIVANDRUM
2906.	NETWORK SYSTEMS & TECHNOLOGIES PVT. LTD.	COCHIN
2907.	NETWORK SYSTEMS & TECHNOLOGIES PVT. LTD.	KANNUR
2907.	NEURON TECHNOLABS PVT. LTD.	CHANDIGARH

2908.	NEW HOLLAND FIAT INDIA PVT. LTD.	GREATER NOIDA
2909.	NEW LIFE AG CHURCH	CHENNAI
2910.	NEWGEN SOFTWARE TECHNOLOGIES LTD.	DELHI
2911.	NEWGEN SOFTWARE TECHNOLOGIES LTD.	NOIDA
2912.	NEWGEN SOFTWARE TECHNOLOGIES LTD.	PANIPAT
2913.	NEWGEN SOFTWARE TECHNOLOGIES LTD.	PUNE
2914.	NEWTRONIC EQUIPMENT COMPANY PVT. LTD.	MUMBAI
2915.	NEXTEER AUTOMOTIVE INDIA (P) LTD.	BANGALORE
2916.	NEXTEER AUTOMOTIVE INDIA P LTD.	ARAKKONAM
2917.	NEXTEER AUTOMOTIVE SYSTEM	BANGALORE
2918.	NEXTEER AUTOMOTIVES INDIA (P) LTD.	BANGALORE
2919.	NIC MIT GOI	GHAZIABAD
2920.	NICE SOFTWARE SOLUTIONS	NAGPUR
2921.	NIELIT AIZAWL	AIZAWL
2922.	NIELIT KOHIMA	MOKOKCHUNG
2923.	NIHILENT TECHNOLOGIES PVT. LTD.	PUNE
2924.	NIIT TECHNOLOGIES	NEW DELHI
2925.	NIIT, SIWAN	SIWAN
2926.	NIIT-TECHNOLOGIES	FARIDABAD
2927.	NIMBEON INTER TECHNOLOGIES	NAMAKKAL
2928.	NIMBEON INTER TECHNOLOGIES PVT. LTD.	MADURAI
2929.	NIMBLE WIRELESS (PVT) LTD.	CHENNAI
2930.	NISG, UNDER DEPT OF IT, GOVT OF INDIA	GUWAHATI
2931.	NITOR INFOTECH PVT.LTD.	PUNE
2932.	NITYO INFOTECH SERVICES	BANGALORE
2933.	NM TRONICS INDIA PVT. LTD.	DELHI
2934.	NMC SPECIALITY HOSPITAL	ABU DHABI
2935.	NMSWORKS SOFTWARE PVT. LTD.	CHENNAI
2936.	NOETIX SOFTWARE INDIA PVT. LTD.	HYDERABAD
2937.	NOKIA INDIA PVT. LTD.	BANGALORE
2938.	NOKIA INDIA PVT. LTD.	CHENNAI
2939.	NOKIA INDIA PVT. LTD.	KANCHIPURAM
2940.	NOKIA INDIA PVT. LTD.	SALEM
2941.	NOKIA INDIA PVT. LTD.	TIRUVANNAMALAI
2942.	NOKIA SIEMENS NETWORKS INDIA PVT. LTD.	TIRUPUR
2943.	NOKIA SIEMENS NETWORKS LTD.	BANGALORE
2944.	NOKIA SIEMENS NETWORKS PVT. LTD.	BANGALORE
2945.	NOKIA SIEMENS NETWORKS PVT. LTD.	CHENNAI
2946.	NOKIA SIEMENS NETWORKS PVT. LTD.	KOZHICODE
2947.	NOKIA SIEMENS NETWORKS PVT. LTD.	PAYYANNUR
2948.	NOKIA SIEMENSNETWORKS PVT. LTD.	BANGALORE
2949.	NOKIA SOLUTIONS & NETWORKS	BANGALORE
2950.	NOKIA SOLUTIONS & NETWORKS PVT. LTD.	ANANTAPUR
2951.	NOKIA SOULUTIONS & NETWORKS INDIA PVT.	BANGALORE
2952.	NOTIONINK DESIGN LABS PVT. LTD.	GWALIOR
2953.	NOVA INTEGRATED SYSTEMS LTD., A TATA	HYDERABAD
2954.	NOVA MEDICAL CENTERS PVT. LTD.	BANGALORE
2955.	NOVATEUR ELECTRICAL & DIGITAL SYSTEMS PV	CHENNAI
2956.	NOVATIUM SOLUTIONS PVT. LTD.	CHENNAI
2957.	NOVELL SOFTWARE DEVELOPMENT (I) PVT. LTD.	BANGALORE
2958.	NOVELL SOFTWARE DEVELOPMENT (INDIA) PVT.	BANGALORE
2959.	NOVELL SOFTWARE DEVELOPMENT INDIA PVT. LT	PANSKURA
2960.	NOVELLUS SYSTEMS (INDIA) PVT. LTD.	BANGALORE
2961.	NOVELLUS SYSTEMS INDIA PVT. LTD.	BANGALORE
2962.	NOVITAS PLAST PVT. LTD.	INDORE
2963.	NPCC	ABU DHABI
2964.	NPCC, ABU DHABI	ABU DHABI
2965.	NPCIL	MUMBAI
2966.	NPCIL	RAWATBHATA
2967.	NRB INDUSTRIAL BEARINGS LTD.	NAVI MUMBAI
2968.	NSL SEZ HYD PVT. LTD.	HYDERABAD
2969.	NTPC LTD.	CHENNAI

2970.	NTPC LTD.	RAEBARELI
2971.	NTPC-BHEL POWER PROJECTS PVT. LTD.	TIRUPATI
2972.	NTT DATA	BANGALORE
2973.	NTT DATA (FORMERLY KEANE INDIA)	BANGALORE
2974.	NTT DATA EAS PVT. LTD.	BANGALORE
2975.	NTT DATA GDS	JAGITIAL
2976.	NTT DATA GLOBAL DELIVERY SERVICES LTD.	BANGALORE
2977.	NTT DATA GLOBAL DELIVERY SERVICES LTD.	TRICHY
2978.	NTT DATA GLOBAL TECHNOLOGY SERVICES PVT.LTD.	PUNE
2979.	NTT DATA PVT. LTD.	TIRUNELVELI
2980.	NTTF AT RD TATA TECHNICAL EDUCATION CENT	JAMSHEDPUR
2981.	NTTF INDUSTRIES PVT. LTD.,	HOSUR
2982.	NUCLEAR POWER CORPORATION OF INDIA LTD.	KARWAR
2983.	NUCLEUS GROUP	SECUNDERABAD
2984.	NUCLEUS SOFTWARE EXPORTS LTD.	HAPUR
2985.	NUCLEUS SOFTWARE EXPORTS LTD.	NEW DELHI
2986.	NUCLEUZ TECHNOLOGIES	ERNAKULAM
2987.	NUVENTO SYSTEMS PVT. LTD.	BANGALORE
2988.	NVIDIA GRAPHICS PVT. LTD.	BANGALORE
2989.	NVIDIA GRAPHICS PVT. LTD.	PUNE
2990.	NVIDIA GRAPHICS PVT. LTD.	SANGAMNER
2991.	O/E/N INDIA LTD.	MUVATTUPUZHA
2992.	O/E/N INDIA LTD.	NILAMBUR
2993.	OAT SYSTEMS SIPL	BANGALORE
2994.	OEN INDIA LTD.	TRIVANDRUM
2995.	OERLIKON BALZERS COATING INDIA PVT. L	CHENNAI
2996.	OFFICE OF H.H THE CROWN PRINCE OF DUBAI	DUBAI
2997.	OFFSHORE DEVELOPMENT CENTER (BANGALORE)	BANGALORE
2998.	OHMS TECH ENGINEERS	TRICHY
2999.	OILFIELDS SUPPLY CENTER	DUBAI
3000.	OK PLAY AUTO PVT. LTD.	KANCHIPURAM
3001.	OKI EUROPE LTD.	DUBAI
3002.	OLD MITTAL HOSPITAL	AJMER
3003.	OLIVE GROUP INDIA PVT. LTD.	NEW DELHI
3004.	OMAN AIRPORT MANGEMENT CO.	MUSCAT
3005.	OMAN FIBER OPTIC CO S.A.O.G	MADURAI
3006.	OMAN FIBER OPTIC CO. S.A.O.G	CHENNAI
3007.	OMAN FIBER OPTIC CO. S.A.O.G.	MUSCAT
3008.	OMAN FIBER OPTIC CO.S.A.O.G	TIRUNELVELI
3009.	OMAN FIBER OPTICS CO S.A.O.G	KUMBAKONAM
3010.	OMAX AUTO LTD.	LUCKNOW
3011.	OMEGA CUBE TECHSYSTEMS PVT.LTD.	MYSORE
3012.	OMNEX INDIA PVT. LTD.	CHENNAI
3013.	ONE97 COMMUNCATIONS LTD.	DELHI
3014.	ONLINE PRODUCTIVITY SOLUTIONS PVT. LTD.	MARGAO
3015.	ONTOS INFORMATION SYSTEMS PVT. LTD.	JAIPUR
3016.	OPEN ACCESS TECHNOLOGY INDIA PVT. LTD.	CHANDIGARH
3017.	OPENSOURCE SOFTWARE SOLUTIONS LLP	HYDERABAD
3018.	OPERATIONAL ENERGY GROUP INDIA PVT.LTD	CHENNAI
3019.	OPERATIONAL ENERGY GROUPS INDIA PVT. LTD.	CUDDALORE
3020.	OPTIMIZORY TECHNOLOGIES PVT. LTD.	KOTA
3021.	OPTIMUS GENERICS LTD.	JADCHERLA
3022.	OPUS SOFTWARE SOLUTION LTD.	PUNE
3023.	ORACLE INDIA PVT. LTD.	BANGALORE
3024.	ORACLE INDIA PVT. LTD.	CHENNAI
3025.	ORACLE INDIA PVT. LTD.	DELHI
3026.	ORACLE INDIA PVT. LTD.	ERNAKULAM
3027.	ORACLE INDIA PVT. LTD.	GHAZIABAD
3028.	ORACLE INDIA PVT. LTD.	GURGAON
3029.	ORACLE INDIA PVT. LTD.	HYDERABAD
3030.	ORACLE INDIA PVT. LTD.	KARUR
3031.	ORACLE INDIA PVT. LTD.	MADURAI

3032.	ORACLE INDIA PVT. LTD.	MUMBAI
3033.	ORACLE INDIA PVT. LTD.	MYSORE
3034.	ORACLE INDIA PVT. LTD.	NAGERCOIL
3035.	ORACLE INDIA PVT. LTD.	NOIDA
3036.	ORACLE INDIA PVT. LTD.	PUTTUR
3037.	ORACLE INDIA PVT. LTD.	THIRUVALLA
3038.	ORACLE INDIA PVT. LTD.	TIRUNELVELI
3039.	ORACLE INDIA PVT. LTD.	TRIVANDRUM
3040.	ORACLE INDIA PVT. LTD.	TUMKUR
3041.	ORANGE BUSINESS SERVICES	DELHI
3042.	ORANGE BUSINESS SERVICES	GURGAON
3043.	ORBEES BUSINESS SOLUTIONS	HYDERABAD
3044.	ORBIT TECHNICAL SOLUTIONSPVT LTD.	MOHALI
3045.	ORBITZ INDIA PVT. LTD.	BANGALORE
3046.	ORCA RADIO SYSTEMS PVT. LTD.	BANGALORE
3047.	ORCHID HEALTHCARE	CHENNAI
3048.	ORGA SYSTEMS INDIA PVT. LTD.	COOCH BEHAR
3049.	ORGA SYSTEMS INDIA PVT. LTD.	KOLKATA
3050.	ORIENT ELECTRICALS	FARIDABAD
3051.	ORYX GTL LTD.	DOHA
3052.	ORYX GTL LTD.	RASLAFFAN
3053.	OSI TECHNOLOGIES	BANGALORE
3054.	OSPIN TECHNOLOGIES	TRIVANDRUM
3055.	OTIS ELEVATOR CO INDIA LTD.	JAIPUR
3056.	OTIS ELEVATOR COMPANY I LTD.	BANGALORE
3057.	OTIS ELEVATOR COMPANY(I) LTD.	PUNE
3058.	OTIS ELEVATOR COMPNAY (INDIA) LTD.	BANGALORE
3059.	OUTOTEC INDIA PVT. LTD.	CHINNA KARUMBUR
3060.	OVERSEAS AST CO. LLC	AL QUOZ
3061.	OXIENT TECHNOLOGIES PVT. LTD.	SONEPAT
3062.	OZONE MULTISPECIALITY HOSPITAL& CRITICAL	AKOLA
3063.	P L ENGINEERING LTD.	DELHI
3064.	P.D.HINDUJA NATIONAL HOSPITAL & MRC	MUMBAI
3065.	P3 INDIA CONSULTING INDIA LTD.	BANGALORE
3066.	PACE MICRO TECHNOLOGY	MADURAI
3067.	PACE MICRO TECHNOLOGY INDIA PVT. LTD.	BANGALORE
3068.	PACE MICROTECHNOLOGY(INDIA) PVT. LTD.	BANGALORE
3069.	PACKETVIDEO INDIA PVT. LTD.	JIND
3070.	PALADION NETWORKS PVT. LTD.	BANGALORE
3071.	PALADION NETWORKS PVT. LTD.	NAVI MUMBAI
3072.	PALETLY DESIGNS PVT. LTD.	MUMBAI
3073.	PALI BUILDERS & DEVELOPERS (P) LTD.	KOCHI
3074.	PAN GULF TECHNOLOGIES PVT. LTD.	DOMBIVLI
3075.	PANACEA MEDICAL TECHNOLOGIES PVT. LTD.,	BANGALORE
3076.	PANALFA AUTOELEKTRIK LTD.	GURGAON
3077.	PARAGON DYNAMICS INFO SYSTEMS PVT.LTD	THENI
3078.	PARAMETRIC TECHNOLOGY CORP.	NEW DELHI
3079.	PARAMETRIC TECHNOLOGY CORPORATION	FARIDABAD
3080.	PAREXEL INTERNATIONAL INDIA PVT. LTD.	NEW DELHI
3081.	PARKER HANNIFIN INDIA PVT. LTD.	CHENNAI
3082.	PARKER HANNIFIN INDIA PVT. LTD.	NAVI MUMBAI
3083.	PARKER HANNIFIN INDIA PVT. LTD.	TIRUNELVELI
3084.	PARSONS INTERNATIONAL LTD.	DOHA
3085.	PARSONS INTERNATIONAL LTD.	NAGERCOIL
3086.	PARSONS, INTERNATIONAL LTD.	DOHA
3087.	PARTNERS ONLINE FZCO	DUBAI
3088.	PATEL REALTY INDIA LTD.	THRISSUR
3089.	PATNI COMPUTER SYSTEMS LTD.	BAHADURGARH
3090.	PATNI COMPUTER SYSTEMS LTD.	NAVI MUMBAI
3091.	PATRONS AUTOMATION	CALICUT
3092.	PATSPIN INDIA LTD.	ALUVA
3093.	PAYODA TECHNOLOGIES PVT. LTD.	COIMBATORE

3094.	PAYODA TECHNOLOGIES PVT. LTD.	TIRUPUR
3095.	PAYPAL INDIA PVT. LTD.	BANGALORE
3096.	PAYPAL INDIA PVT. LTD.	CHENNAI
3097.	PEARL INSULATION MATERIAL LLC	DUBAI
3098.	PEERLESS GENERAL FINANCE & INVESTMENT CO	UTTARPARA
3099.	PEGASYSTEMS WORLDWIDE INDIA PVT. LTD.	HYDERABAD
3100.	PENTAIR WATER INDIA LTD.	NEW DELHI
3101.	PENTAIR WATER INDIA PVT. LTD.	SANKHALIM
3102.	PENTAIR WATER INDIA PVT. LTD.,	AHMEDABAD
3103.	PERLOS TELECOMMUNICATION&ELECTRONIC COMPO	CHENNAI
3104.	PERNOD RICARD (I) PVT. LTD.	PANCHKULA
3105.	PEROT SYSTEMS	BANGALORE
3106.	PERSISTENT SYSTEMS LTD.	NAGPUR
3107.	PERSISTENT SYSTEMS LTD.	PUNE
3108.	PERSISTENT SYSTEMS LTD.	VERNA
3109.	PESCOBEAM ENVIRONMENTAL SOLUTIONS PVT. LD	CHENNAI
3110.	PETROFAC ENGINEERING	AL KHAN
3111.	PETROFAC ENGINEERING INDIA PVT. LTD.	THANE
3112.	PETROFAC INTERNATIONAL LTD.	CHENNAI
3113.	PETROFAC INTERNATIONAL LTD.	SHARJAH
3114.	PETROFAC INTERNATIONAL LTD.	WEST GODAVARI
3115.	PETROFAC SAUDI ARABIA LTD.	RATNAGIRI
3116.	PETROLEUM DEVELOPMENT OMAN (THRU VINCOTT	CHENNAI
3117.	PFIZER ASIA PACIFIC PTE LTD.,	SINGAPORE
3118.	PHA INDIA PVT. LTD.	KANCHIPURAM
3119.	PHILIPS ELECTRONICS INDIA LTD.	BANGALORE
3120.	PHILIPS ELECTRONICS INDIA LTD.	KANNUR
3121.	PHILIPS HEALTHCARE	BANGALORE
3122.	PHILIPS INDIA LTD.	BANGALORE
3123.	PHILIPS INDIA LTD.	NOIDA
3124.	PHILIPS INDIA LTD.	PUNE
3125.	PHOENIX IT SOLUTIONS LTD.	VISAKHAPATNAM
3126.	PHOTON INFOTECH PVT. LTD.	CHENNAI
3127.	PHOTON INTERACTIVE PVT. LTD.	RAJAPALAYAM
3128.	PHYSICAL RESEARCH LABORATORY	AHMEDABAD
3129.	PIAGGIO VEHICLES PVT. LTD.	BARAMATI
3130.	PIAGGIO VEHICLES PVT. LTD.	PUNE
3131.	PILANI SOFT LABS PVT. LTD. (REDBUS.IN)	HUBLI
3132.	PINELABS PVT. LTD.	NOIDA
3133.	PIT SOLUTIONS PVT. LTD.	NAGERCOIL
3134.	PITNEY BOWES BUSINESS INSIGHT PVT. LTD.	SATNA
3135.	PITNEY BOWES SOFTWARE	NOIDA
3136.	PITNEY BOWES SOFTWARE INDIA	GHAZIABAD
3137.	PITNEY BOWES SOFTWARE INDIA PVT. LTD.	DEHRADUN
3138.	PL ENGINEERING	GURGAON
3139.	PLANET ENGINEERING DIVISION	DOHA
3140.	PLANOGRAPH TECHNNIQUES	COIMBATORE
3141.	PLANON SOFTWARE SERVICES PVT. LTD.	HYDERABAD
3142.	PLANQUADRAT MIDDLE EAST	DUBAI
3143.	PLANT ELECTRICAL & INSTRUMENTATION PT	SINGAPORE
3144.	PMC PROJECTS (INDIA) PVT. LTD.	SURAT
3145.	PME POWER SOLUTIONS(INDIA)LTD.	CHANDAULI
3146.	PMI MUMBAI CHAPTER	MUMBAI
3147.	POCLAIN HYDRAULICS	CHENNAI
3148.	POLARIS FINANCIAL TECHNOLOGY	CHENNAI
3149.	POLARIS FINANCIAL TECHNOLOGY LTD.	SALEM
3150.	POLARIS INDIA PVT. LTD.	CHENNAI
3151.	POLARIS SOFTWARE LAB TLD	BANGALORE
3152.	POLARIS SOFTWARE LAB TLD	CHENGALPATTU
3153.	POLARIS SOFTWARE LAB TLD	CHENNAI
3154.	POLARIS SOFTWARE LAB TLD	CUDDALORE
3155.	POLARIS SOFTWARE LAB TLD	PALGHAT

3156.	POLYCOM TECHNOLOGY (R&D) CENTER PVT. LTD.	CHENNAI
3157.	POLYCOM TECHNOLOGY (R&D) CENTER PVT. LTD.	GHAZIABAD
3158.	POLYCOM TECHNOLOGY (R&D) CENTER PVT. LTD.	TIRUPUR
3159.	POLYPLEX CORPORATION LTD.	UDHAM SINGH NAGAR
3160.	PONDICHERRY UNIVERSITY	PUDUCHERRY
3161.	POOJA HOSPITAL	SURAT
3162.	POSOCO (WHOLLY OWNED SUBSIDIARY OF POWERG)	DELHI
3163.	POWER TRANSMISSION CORPORATION OF UTTARA	KOTDWAR
3164.	POWERTECH ENGINEERING LLC	MUSCAT
3165.	POWERWIND LTD.	REWARI
3166.	PP SIMTECH SOLUTIONS LTD.	CHENNAI
3167.	PRA INTL	CHENNAI
3168.	PRAMATI TECHNOLOGIES	CHENNAI
3169.	PRAMATI TECHNOLOGIES	JAIPUR
3170.	PRATHAM SOFTWARE INC.	JAIPUR
3171.	PRATHAM SOFTWARE PVT. LTD.	AGRA
3172.	PRATHMETIX CONSULTANTS PVT. LTD.	NEW DELHI
3173.	PRAVEEN PAPPURI	PUNE
3174.	PRECITEC PRECISION MACHINERIES PVT. LTD.	BANGALORE
3175.	PREMIER EVOLVICS PVT. LTD.	COIMBATORE
3176.	PREMIER PRODUCTION FABRICATORS LLC	RUWI
3177.	PRIANKA INDUSTRIES	DELHI
3178.	PRICEWATERHOUSECOOPERS PVT. LTD.	BANGALORE
3179.	PRICEWATERHOUSECOOPERS PVT. LTD.	ERODE
3180.	PRICEWATERHOUSECOOPERS PVT. LTD.	MUMBAI
3181.	PRICEWATERHOUSECOOPERS PVT. LTD.	PUNE
3182.	PRICOL TECHNOLOGIES	COIMBATORE
3183.	PRIME 4 INSPECTION L.L.C	KARAMA
3184.	PRIME FOCUS TECHNOLOGIES	BANGALORE
3185.	PRIMO AUTOMATION SYSTEMS PVT. LTD.	CHENNAI
3186.	PRINCE ALY KHAN HOSPITAL	MUMBAI
3187.	PRINCESS DURRU SHEHVAR CHILDREN'S & GE	HYDERABAD
3188.	PRINCIPAL GLOBAL SERVICES	PUNE
3189.	PRISM CEMENT LTD.	SATNA
3190.	PRISM SOLUTIONS	CHENNAI
3191.	PRISM SURFACE COATINGS PVT. LTD.	COIMBATORE
3192.	PRODESIGN ENGINEERING SERVICES PVT. LTD.	BANGALORE
3193.	PROFESSIONAL ACCESS PVT. LTD.	BANGALORE
3194.	PROFISOLUTIONS	CHENNAI
3195.	PROGRESS SOFTWARE	HYDERABAD
3196.	PROGRESS SOFTWARE DEV PVT. LTD.	HYDERABAD
3197.	PROGRESSIVE INFOTECH	NEW DELHI
3198.	PROKARMA SOFTECH PVT. LTD.	CHENNAI
3199.	PROKARMA SOFTECH SOLUTIONS PVT. LTD.	CHENNAI
3200.	PROKARMASOFTECH	CHENNAI
3201.	PROLOGIC FIRST INDIA PVT. LTD.	DELHI
3202.	PROMPT ENTERPRISES PVT. LTD.	NEW DELHI
3203.	PROSERV MIDDLE EAST	ALAPPUZHA
3204.	PT. AMTEK PLASTIC BATAM	BATAM
3205.	PTC - PARAMETRIC TECHNOLOGY CORPORATION	GURGAON
3206.	PTC SOFTWARE (INDIA) PVT. LTD.	PUNE
3207.	PUBMATIC INC.	PUNE
3208.	PUBMATIC INDIA PVT. LTD.	PUNE
3209.	PUNJ LLOYD LTD.	ABU DHABI
3210.	PUNJ LLOYD LTD.	GURGAON
3211.	PUNJ LLOYD LTD.	GWALIOR
3212.	PUNJ LLOYD LTD.	PUDUKKOTTAI
3213.	PUNJ LLOYD LTD.	SOMPETA
3214.	PURPLETALK INDIA PVT. LTD.	HYDERABAD
3215.	PUTZMEISTER CONCRETE MACHINES PVT. LTD.	BANGALORE
3216.	PWC SDC, BANGALORE	BANGALORE
3217.	PYRO NETWORKS PVT. LTD.	HYDERABAD

3218.	Q FOCUS ENGINEERING INDIA PVT. LTD.	COIMBATORE
3219.	QA INFOTECH PVT. LTD.	NOIDA
3220.	QAINFOTECH PVT. LTD.	GHAZIABAD
3221.	QATAR ALUMINIUM COMPANY	DOHA
3222.	QATAR ALUMINIUM COMPANY	MESAIEED
3223.	QATAR CHEMICAL COMPANY LTD.	DOHA
3224.	QATAR CHEMICALS COMPANY LTD.	MESAIEED
3225.	QATAR FERTILISER COMPANY	MESAIEED
3226.	QATAR FUEL ADDITIVES COMPANY LTD.	DOHA
3227.	QATAR KENTZ WLL	DOHA
3228.	QATAR PETROLEUM	DOHA
3229.	QATAR PETROLEUM	DUKHAN
3230.	QATAR PETROLEUM DEVELOPMENT CO.LTD.	PUDUCHERRY
3231.	QATAR POWER COMPANY	DOHA
3232.	QATAR SHELL GTL	DOHA
3233.	QATAR SHELL GTL	VELLORE
3234.	QATAR SHELL GTL LTD.	DOHA
3235.	QATAR SHELL GTL,	DOHA
3236.	QATARGAS	AL-KHOR
3237.	QATARGAS	RASLAFFAN
3238.	QBURST TECHNOLOGIES	THRISSUR
3239.	QLOGIC INDIA PVT. LTD.	BANGALORE
3240.	QLOGIC INDIA PVT. LTD.	PUNE
3241.	QSI HEALTHCARE PVT. LTD.	BANGALORE
3242.	QUALCOMM INDIA PVT. LTD.	BANGALORE
3243.	QUALCOMM INDIA PVT. LTD.	HYDERABAD
3244.	QUALCOMM INDIA PVT. LTD.	MADHAPUR
3245.	QUALCOMM INDIA PVT. LTD.	SANTA CLARA
3246.	QUALITY CARE INDIA LTD.	HYDERABAD
3247.	QUALITY ENGINEERING & SOFTWARE TECHNOL	BANGALORE
3248.	QUALITY NEEDLES PVT. LTD.	GHAZIABAD
3249.	QUALITY SYSTEMS INDIA HEALTHCARE	BANGALORE
3250.	QUARKXPRESS PUBLISHING R&D (I) PVT. LTD.	PATIALA
3251.	QUEST GLOBAL	BANGALORE
3252.	QUEST GLOBAL MANUFACTURING PVT. LTD. BELGA	GADAG
3253.	QUEST GLOBAL PVT. LTD.	BANGALORE
3254.	QUINNOX SOLUTION PTE LTD.	SINGAPORE
3255.	QUINSTREET SOFTWARE INDIA PVT. LTD.	PUNE
3256.	QUIPPO VALUERS & AUCTIONEERS PVT. LTD.	KOLKATA
3257.	QUOVANTIS TECHNOLOGIES	DELHI
3258.	QWEST TELECOM SERVICES PVT. LTD.	NOIDA
3259.	R L INSTITUTE OF NAUTICAL SCIENCES	MADURAI
3260.	R SYSTEMS INTERNATIONAL LTD.	GHAZIABAD
3261.	R SYSTEMS INTERNATIONAL LTD.	NOIDA
3262.	RADISYS INDIA PVT. LTD.	BANGALORE
3263.	RAHUL ELECTRONICS	AHMEDABAD
3264.	RAJ NEURO SURGICAL HOSPITAL & TRAUMA CEN	RAJKOT
3265.	RAJA RAMANNA CENTRE FOR ADVANCED TECHNOL	INDORE
3266.	RANDSTAD (ORACLE)	MADURAI
3267.	RANDSTAD INDIA LTD.(ORACLE - CLIENT)	KRISHNAGIRI
3268.	RANDSTAD INDIA PVT. LTD.(ORACLE -	TUMKUR
3269.	RANE (MADRAS) LTD.	KANCHIPURAM
3270.	RANE DIECAST LTD.	TIRUCHIRAPPALLI
3271.	RANE ENGINE VALVE LTD.	CHENNAI
3272.	RANE ENGINE VALVE LTD.	HYDERABAD
3273.	RANE NSK STEERING SYSTEMS LTD.	KANCHIPURAM
3274.	RANE TRW STEERING SYSTEMS LTD.	CHENNAI
3275.	RANE TRW STEERING SYSTEMS LTD.,	VIRALIMALAI
3276.	RANE(MADRAS) LTD.	CHENNAI
3277.	RANGADORE MEMORIAL HOSPITAL	BANGALORE
3278.	RAPID MARINE HVAC(ASIA PACIFIC)PTE LTD.	CHENNAI
3279.	RAS AL HAMARA LLC	AKOLA

3280.	RASGAS COMPANY LTD.	AL KHOR
3281.	RASGAS COMPANY LTD.	DOHA
3282.	RASGAS COMPANY LTD.	RASLAFFAN
3283.	RAVE TECHNOLOGIES PVT. LTD.	MUMBAI
3284.	RAVSOFT SOLUTIONS INDIA (P) LTD.	TUTICORIN
3285.	RBS INDIA	CHENNAI
3286.	RBS INDIA DEVELOPMENT CENTER	KARNAL
3287.	RCV INNOVATIONS PVT. LTD.	HYDERABAD
3288.	REACH1TO1 TECHNOLOGIES PVT. LTD.	INDORE
3289.	REALNETWORKS INDIA PVT. LTD.	NEW DELHI
3290.	REC WAFER PTE LTD.	SINGAPORE
3291.	RECKITT BENCKISER (INDIA) LTD.	JAMMU
3292.	RED HAT SOFTWARE SERVICES INDIA PVT. LTD.	AHMEDABAD
3293.	RED HAT SOFTWARE SERVICES INDIA PVT. LTD.	BANGALORE
3294.	RED HAT SOFTWARE SERVICES INDIA PVT. LTD.	COCHIN
3295.	RED HAT SOFTWARE SERVICES INDIA PVT. LTD.	NAVI MUMBAI
3296.	RED HAT SOFTWARE SERVICES INDIA PVT. LTD.	PUNE
3297.	REDEEM SOFTWARE PVT. LTD.	HYDERABAD
3298.	REDSEAL NETWORKS, INC.	BANGALORE
3299.	REGEN POWERTECH PVT. LTD.	CHENNAI
3300.	RELIANCE CEMENT COMPANY PVT. LTD.	NAGPUR
3301.	RELIANCE DIAMOND TOOLS	CHENNAI
3302.	RELIANCE INDUSTRIES LTD.	MUMBAI
3303.	RELIANCE INDUSTRIES LTD.	RAIGAD
3304.	RELIANCE JIO INFOCOMM LTD.	MUMBAI
3305.	RELIANCE PORTS & TERMINALS LTD.	MUMBAI
3306.	RELIANCE TECH SERVICES	HYDERABAD
3307.	RELIANCE TECH SERVICES PVT. LTD.	NAVI MUMBAI
3308.	RELIAISOFT INDIA PVT. LTD.	NAGAPATTINAM
3309.	RELISYS MEDICAL DEVICES LTD.	HYDERABAD
3310.	RENAULT INDIA PVT. LTD.	CHENNAI
3311.	RENAULT NISSAN AUTOMOTIVE INDIA PVT. LTD.	CHENNAI
3312.	RENAULT NISSAN AUTOMOTIVE INDIA PVT. LTD.	VELLORE
3313.	RENAULT NISSAN AUTOMOTIVE INDIA PVT., LT	ARIYALUR
3314.	RENAULT NISSAN INDIA AUTOMOTIVE PVT. LTD.	CHENNAI
3315.	RENAULT NISSAN TECHNOLOGY & BUSINESS CENTRE	ANANTAPUR
3316.	RENAULT NISSAN TECHNOLOGY & BUSINESS CENTRE	BHIWADI
3317.	RENAULT NISSAN TECHNOLOGY & BUSINESS CENTRE	CHENNAI
3318.	RENAULT NISSAN TECHNOLOGY & BUSINESS CENTRE	MADURAI
3319.	RENAULT NISSAN TECHNOLOGY & BUSINESS CENTRE	THIRUVANNAMALAI
3320.	RENAULT NISSAN TECHNOLOGY & BUSINESS CENTRE	TIRUNELVELI
3321.	RENAULT-NISSAN AUTOMOTIVE INDIA PVT. LTD.	CHENNAI
3322.	RENAULT-NISSAN AUTOMOTIVE INDIA PVT. LTD.	KANCHIPURAM
3323.	RENESAS MOBILE INDIA PVT. LTD.	BANGALORE
3324.	REITTERI SRI KUMARAN HEALTH CENTRE	CHENNAI
3325.	REYAMI ELECTROMECHANICAL (INDIA) PVT. LTD.	ALUVA
3326.	REYAMI ELECTROMECHANICAL (INDIA) PVT. LTD.	KOCHI
3327.	RIALTO ENTERPRISES PVT. LTD.,	CHENNAI
3328.	RICARDO INDIA PVT. LTD.	NEW DELHI
3329.	RICOH INNOVATIONS PVT. LTD.	BANGALORE
3330.	RICOH INNOVATIONS PVT. LTD.	PUNE
3331.	RITTMANMEAD CONSULTING PVT. LTD.,BANGALORE	BANGALORE
3332.	RIVERSAND GLOBAL TECHNOLOGIES PVT. LTD.	BANGALORE
3333.	RMEC PROJECTS LTD.	THIRUKKALUKUNDRAM
3334.	ROAMWARE INDIA PVT. LTD.	BANGALORE
3335.	ROBERT BOSCH ENGINEERING & BUSINESS SO	BANGALORE
3336.	ROBERT BOSCH ENGINEERING & BUSINESS SO	CHENNAI
3337.	ROBERT BOSCH ENGINEERING & BUSINESS SO	COIMBATORE
3338.	ROBERT BOSCH ENGINEERING & BUSINESS SO	KOLLAM
3339.	ROBERT BOSCH ENGINEERING & BUSINESS SO	MADURAI
3340.	ROBERT BOSCH ENGINEERING & BUSINESS SO	MANGALAGIRI
3341.	ROBERT BOSCH ENGINEERING & BUSINESS SO	PALAKKAD

3342.	ROBERT BOSCH ENGINEERING & BUSINESS SO	SALEM
3343.	ROBERT BOSCH ENGINEERING & BUSINESS SO	THIRUVANANTHAPURAM
3344.	ROBERT BOSCH ENGINEERING & BUSINESS SO	TIRUPUR
3345.	ROBERT BOSCH ENGINEERING & BUSINESS SO	TRIVANDRUM
3346.	ROBERT BOSCH ENGINEERING & BUSINESS SO	TUMKUR
3347.	ROBERT BOSCH ENGINEERING & BUSINESS SO	VISAKHAPATNAM
3348.	ROBERT BOSCH ENGINEERING & BUSINESS SO	WEST GODAVARI
3349.	ROCKWELL AUTOMATION EUROPE BV	ABU DHABI
3350.	ROCKWELL AUTOMATION INDIA PVT. LTD.	CHENNAI
3351.	ROCKWELL AUTOMATION INDIA PVT. LTD.	GHAZIABAD
3352.	ROCKWELL AUTOMATION INDIA PVT. LTD.	THANE
3353.	ROCKWELL AUTOMATION INDIA PVT. LTD.	VADODARA
3354.	ROCKWELL COLLINS INDIA ENTERPRISE PVT. LTD.	ELURU
3355.	ROCKWELL COLLINS INDIA ENTERPRISE PVT. LTD.	HYDERABAD
3356.	ROCKWELL COLLINS INDIA ENTERPRISE PVT. LTD.	SECUNDERABAD
3357.	ROHDE & SCHWARZ EMIRATES LLC	ABU DHABI
3358.	ROHM & HAAS INDIA PVT. LTD.	CHENNAI
3359.	ROLLS ROYCE MARINE INDIA	MUMBAI
3360.	ROOTS INDUSTRIES INDIA LTD.	COIMBATORE
3361.	ROOTS INDUSTRIES INDIA LTD.	UDUMALPET
3362.	ROSA POWER SUPPLY COMPANY LTD.	KEONJHAR
3363.	ROSEN MIDDLE EAST FZE	DUBAI
3364.	ROSTI TECHNICAL PLASTICS (I) PVT.LTD	CHENNAI
3365.	ROYAL BANK OF SCOTLAND	MADURAI
3366.	ROYAL BANK OF SCOTLAND INDIA	GURGAON
3367.	ROYAL COURT AFFAIRS	MUSCAT
3368.	ROYAL ENFIELD MOTORS LTD.	CHENNAI
3369.	ROYAL ENFIELD MOTORS LTD.	DINDIGUL
3370.	ROYAL ENFIELD MOTORS LTD.	ERODE
3371.	ROYAL ENFIELD MOTORS LTD.	SALEM
3372.	RSB TRANSMISSION (I) LTD.	PANTNAGAR
3373.	RUBAN EMERGENCY HOSPITAL	PATNA
3374.	RUBY ON RAILS PVT. LTD.	TRIVANDRUM
3375.	S M AUTO ENGINEERING PVT. LTD.	PUNE
3376.	S&P CAPITAL IQ	FARIDABAD
3377.	S&P CAPITAL IQ	GURGAON
3378.	S&P CAPITAL IQ	NEW DELHI
3379.	S1 SERVICES INDIA PVT. LTD.	PUNE
3380.	S2 INFOTECH PVT. LTD.	NEW DELHI
3381.	SABA SOFTWARE INDIA PVT. LTD.	MUMBAI
3382.	SABAR INSTITUTE OF TECHNOLOGY FOR GIRLS	GANDHINAGAR
3383.	SABRE HOLDINGS	BANGALORE
3384.	SABRE HOLDINGS	DHARMAPURI
3385.	SAFARI COMPANY (KAIA)	KASARAGOD
3386.	SAFENET INFOTECH PVT. LTD.	NEW DELHI
3387.	SAFENET INFOTECH PVT. LTD.	NOIDA
3388.	SAFRAN ENGINEERING SERVICES INDIA LTD.	BANGALORE
3389.	SAFRAN ENGINEERING SERVICES INDIA PVT. LTD.	COIMBATORE
3390.	SAHAJANAND LASER TECHNOLOGY LTD.	AHMEDABAD
3391.	SAHARA NEXT	CHENNAI
3392.	SAHYADRI NARAYANA MULTISPECIALITY HOSPITAL	SHIMOGA
3393.	SAINT GOBAIN GLASS INDIA LTD.	SRIPERUMBUDUR
3394.	SAINT-GOBAIN GLASS INDIA LTD.	CHENNAI
3395.	SAINT-GOBAIN GLASS INDIA LTD.	PATHANKOT
3396.	SAINT-GOBAIN GYPROC EMIRATES INDUSTRIES	ABU DHABI
3397.	SAINT-GOBAIN PAM	THANE
3398.	SAIPEM	ABU DHABI
3399.	SAIPEM	CHENNAI
3400.	SAIPEM ENGINEERING	SHARJAH
3401.	SAIPEM INDIA PROJECTS	CHENNAI
3402.	SAIPEM S.P.A (A SUBSIDIARY OF ENI)	INDORE
3403.	SAIPEM SHARJAH ENGINEERING	SHARJAH

3404.	SAIPEM SPA	CHENNAI
3405.	SAIPEM SPA	SHARJAH
3406.	SAMBODHI RESEARCH & COMMUNICATION PVT.LTD.	NEW DELHI
3407.	SAME DEUTZ FAHR INDIA (P) LTD.	CUDDALORE
3408.	SAME DEUTZ FAHR INDIA P LTD.	NAGAPATTINAM
3409.	SAMIN TEKMINZ INDIA PVT. LTD.	NEW DELHI
3410.	SAMSUNG INDIA ELECTRONICS PVT. LTD.	ALLAHABAD
3411.	SAMSUNG INDIA ELECTRONICS PVT. LTD.	AMBALA
3412.	SAMSUNG INDIA ELECTRONICS PVT. LTD.	BALASORE
3413.	SAMSUNG INDIA ELECTRONICS PVT. LTD.	BANGALORE
3414.	SAMSUNG INDIA ELECTRONICS PVT. LTD.	BULANSHAHR
3415.	SAMSUNG INDIA ELECTRONICS PVT. LTD.	CHENNAI
3416.	SAMSUNG INDIA ELECTRONICS PVT. LTD.	DEHRADUN
3417.	SAMSUNG INDIA ELECTRONICS PVT. LTD.	DELHI
3418.	SAMSUNG INDIA ELECTRONICS PVT. LTD.	GHAZIABAD
3419.	SAMSUNG INDIA ELECTRONICS PVT. LTD.	GURGAON
3420.	SAMSUNG INDIA ELECTRONICS PVT. LTD.	HANSI
3421.	SAMSUNG INDIA ELECTRONICS PVT. LTD.	HARDOI
3422.	SAMSUNG INDIA ELECTRONICS PVT. LTD.	JAIPUR
3423.	SAMSUNG INDIA ELECTRONICS PVT. LTD.	KARIMNAGAR
3424.	SAMSUNG INDIA ELECTRONICS PVT. LTD.	KOLKATA
3425.	SAMSUNG INDIA ELECTRONICS PVT. LTD.	NEW DELHI
3426.	SAMSUNG INDIA ELECTRONICS PVT. LTD.	NOIDA
3427.	SAMSUNG INDIA ELECTRONICS PVT. LTD.	PATIALA
3428.	SAMSUNG INDIA ELECTRONICS PVT. LTD.	ROHTAK
3429.	SAMSUNG INDIA ELECTRONICS PVT. LTD.	SONEPAT
3430.	SAMSUNG INDIA SOFTWARE OPERATIONS PVT. LTD.	AMBUR
3431.	SAMSUNG INDIA SOFTWARE OPERATIONS PVT. LTD.	BANGALORE
3432.	SAMSUNG INDIA SOFTWARE OPERATIONS PVT. LTD.	MYSORE
3433.	SAMSUNG R&D INSTITUTE	AMRITSAR
3434.	SAMSUNG R&D INSTITUTE	BANGALORE
3435.	SAMSUNG R&D INSTITUTE	CHANDIGARH
3436.	SAMSUNG R&D INSTITUTE	DELHI
3437.	SAMSUNG R&D INSTITUTE	GHAZIABAD
3438.	SAMSUNG R&D INSTITUTE	NEW DELHI
3439.	SAMSUNG R&D INSTITUTE	NOIDA
3440.	SAMSUNG R&D INSTITUTE	PRAKASAM
3441.	SAMSUNG R&D INSTITUTE	SONEPAT
3442.	SAMSUNG R&D INSTITUTE	SONIPAT
3443.	SAMSUNG R&D INSTITUTE	SRIGANGANAGAR
3444.	SAMVITH TECHNOLOGIES	BANGALORE
3445.	SAN ENGINEERING & LOCOMOTIVE CO. LTD.	BANGALORE
3446.	SANDVIK ASIA PVT. LTD.	PUNE
3447.	SANDVIK ASIA PVT. LTD.	VIJAYAWADA
3448.	SANDVIK MIDDLE EAST FZE	DUBAI
3449.	SANDVINE TECHNOLOGIES (INDIA) PVT. LTD.	BANGALORE
3450.	SANKARA NETHRALAYA	CHENNAI
3451.	SANMAR FOUNDRIES LTD.	COIMBATORE
3452.	SANMINA-SCI TECHNOLOGIES INDIA PVT. LTD.	BANGALORE
3453.	SANMINA-SCI TECHNOLOGIES INDIA PVT. LTD.	CHENNAI
3454.	SANT PARMANAND HOSPITAL	DELHI
3455.	SANVIENS INFRATECH PVT.	GHAZIABAD
3456.	SAP LABS INDIA PVT. LTD.	BANGALORE
3457.	SAP LABS INDIA PVT. LTD.	FARIDABAD
3458.	SAP LABS INDIA PVT. LTD.	TRIVANDRUM
3459.	SAPIENT CONSULTING PVT. LTD.	BANGALORE
3460.	SAPIENT CONSULTING PVT. LTD.	DELHI
3461.	SAPIENT CONSULTING PVT. LTD.	GHAZIABAD
3462.	SAPIENT CONSULTING PVT. LTD.	GURGAON
3463.	SAPIENT CONSULTING PVT. LTD.	JAIPUR
3464.	SAPIENT CONSULTING PVT. LTD.	MYSORE
3465.	SAPIENT CONSULTING PVT. LTD.	PONDICHERRY

3466.	SAPIENT CONSULTING PVT. LTD.	PULIYANGUDI
3467.	SAPIENT CORPORATION	CHENNAI
3468.	SAPIENT CORPORATION	HUBLI
3469.	SARTORIUS MECHATRONICS INDIA PVT. LTD.	BANGALORE
3470.	SAS R&D INDIA PVT. LTD.	PUNE
3471.	SASKEN COMMUNICATION TECHNOLOGIES LTD.	AHMEDNAGAR
3472.	SASKEN COMMUNICATION TECHNOLOGIES LTD.	BANGALORE
3473.	SASKEN COMMUNICATION TECHNOLOGIES LTD.	HOSUR
3474.	SASKEN COMMUNICATION TECHNOLOGIES LTD.	KARIMGANJ
3475.	SASKEN COMMUNICATION TECHNOLOGIES LTD.	KOLAR
3476.	SASKEN COMMUNICATION TECHNOLOGIES LTD.	MAYILADUTHURAI
3477.	SASKEN COMMUNICATION TECHNOLOGIES LTD.	TRIVANDRUM
3478.	SATYAM COMPUTER SERVICES LTD.	BANGALORE
3479.	SATYAM COMPUTER SERVICES LTD.	CHENNAI
3480.	SATYAM COMPUTER SERVICES LTD.	HYDERABAD
3481.	SATYAM COMPUTER SERVICES LTD.	KANCHIPURAM
3482.	SATYAM COMPUTERS SERVICE LTD.	BANGALORE
3483.	SATYAM VENTURE ENGINEERING SERVICES	SECUNDERABAD
3484.	SATYAM VENTURES ENGINEERING SERVICES	CHENNAI
3485.	SAUDI ARABIAN OIL COMPANY	KANCHIPURAM
3486.	SAUDI IRON & STEEL CO.	DURG
3487.	SAUDI IRON & STEEL CO.	KOLHAPUR
3488.	SAUJAS TECHNOLOGY SOLUTIONS PVT. LTD.	PUNE
3489.	SAVITRI PACKAGING INDS (P) LTD.	GREATER NOIDA
3490.	SAYED HAMID BEHBEHANI & SONS CO	MUMBAI
3491.	SAYED HAMID BEHBEHANI & SONS CO.W.L.L.	TUTICORIN
3492.	SCHILLER HEALTHCARE INDIA PVT. LTD.	PUDUCHERRY
3493.	SCHLUMBERGER GLOBAL SUPPORT CENTRE LTD.	PUNE
3494.	SCHNEIDER ELECTRIC INDIA PVT. LTD.	BANGALORE
3495.	SCHNEIDER ELECTRIC INDIA PVT. LTD.	CHENNAI
3496.	SCHNEIDER ELECTRIC INDIA PVT. LTD.	DUBAI
3497.	SCHNEIDER ELECTRIC INDIA PVT. LTD.	HOSUR
3498.	SCHNEIDER ELECTRIC INDIA PVT. LTD.	HYDERABAD
3499.	SCHNEIDER ELECTRIC INDIA PVT. LTD.	KANCHIPURAM
3500.	SCHNEIDER ELECTRIC INDIA PVT. LTD.	MUSAFFAH
3501.	SCHNEIDER ELECTRIC INDIA PVT. LTD.	NASHIK
3502.	SCHNEIDER ELECTRIC INDIA PVT. LTD.	SALEM
3503.	SCHNEIDER ELECTRIC INDIA PVT. LTD.	SECUNDERABAD
3504.	SCHNEIDER ELECTRIC INDIA PVT. LTD.	SIVAGANGAI
3505.	SCHNEIDER ELECTRIC INDIA PVT. LTD.	VADODARA
3506.	SCHOTT GLASS INDIA PVT. LTD.	VADODARA
3507.	SCHUF SPECIALITY VALVES INDIA PVT. LTD.	COIMBATORE
3508.	SCHWING STETTER INDIA PVT. LTD.	CHENNAI
3509.	SCHWING STETTER INDIA PVT. LTD.	KRISHNAGIRI
3510.	SCIENTECHNIC	DUBAI
3511.	SCIPCO O&M LTD.	RUWAI
3512.	SCISSOR PAPER STONE WEB SOLUTIONS PVT. LTD.	CHENNAI
3513.	SCIT LTD.	INDORE
3514.	SCOPE INTERNATIONAL	ARIYALUR
3515.	SCOPE INTERNATIONAL	CHENNAI
3516.	SCOPE INTERNATIONAL	NAMAKKAL
3517.	SCOPE INTERNATIONAL	TRICHY
3518.	SD MIDDLE EAST LLC	HYDERABAD
3519.	SDL TECHNOLOGIES	BANGALORE
3520.	SEA & LAND DRILLING CONTRACTORS INC.	THANE
3521.	SEARS INDIA IT & MANAGEMENT SERVICES	PUNE
3522.	SECURE ENERGY SERVICES LTD.,	GURGAON
3523.	SECURE METERS LTD.	UDAIPUR
3524.	SECURE METERS LTD. UDAIPUR	UDAIPUR
3525.	SECURITY TECH ENTERPRISES	NALASOPARA
3526.	SELECTIVA SYSTEMS, INC	BANGALORE
3527.	SELF EMPLOYED	KOLKATA

3528.	SELLA SYNERGY INDIA PVT. LTD.	CHENNAI
3529.	SEBACORP SALALAH O&M SERVICES COMPANY	SALALAH
3530.	SEMCO ELECTRICAL PVT. LTD.	AHMEDNAGAR
3531.	SEMIFI INTEGRATED TECHNOLOGIES	BANGALORE
3532.	SEMILON TECHNOLOGIES PVT. LTD.	TRIVANDRUM
3533.	SENERGY INTELLUTIONS PVT. LTD.	NAVI MUMBAI
3534.	SEN-SEI TECHNOLOGIES	BANGALORE
3535.	SERIA APPLIED RESEARCH PVT. LTD.	KANNUR
3536.	SERVOMAX INDIA LIMITED	HYDERABAD
3537.	SESA GOA LTD.	SANQUELIM
3538.	SESAB INTERNATIONAL FOR INDUSTRY & CONTR	JEDDAH
3539.	SESHADRIPURAM FIRST GRADE COLLEGE	BANGALORE
3540.	SEVEN SEAS COMPUTERS LLC	DUBAI
3541.	SGC SERVICES PVT. LTD.	CHENNAI
3542.	SGS INDIA PVT. LTD.	CUTTACK
3543.	SGS INDIA PVT.LTD.	GURGAON
3544.	SGS INSPECTION SERVICES SAUDI ARABIA LTD.	THOOTHUKUDI
3545.	SHAKTHI CONCRETE INDUSTRIES	SECUNDERABAD
3546.	SHARP SOFTWARE DEVELOPMENT INDIA	BANGALORE
3547.	SHARPGURUS SOFTWARE SOLUTIONS PVT. LTD.	HYDERABAD
3548.	SHELL EASTERN PETROLEUM PTE LTD.	SINGAPORE
3549.	SHIPNET SOFTWARE SOLUTIONS PVT. LTD.	CHENNAI
3550.	SHIVPAD ENGINEERS PVT. LTD.	SALEM
3551.	SHREE BAJARANGDASBAPA AROGYADHAM	RAJKOT
3552.	SHREE CEMENT LTD.	L JAIPUR
3553.	SHREE MALLINATH HOSPITAL	BIKANER
3554.	SHREETECH ENGINEERING	YAMUNANAGAR
3555.	SHRI RAM PISTONS & RINGS LTD.	MORADABAD
3556.	SHRI. B.D MEHTA MAHAVIR HEART INSTITUTE	SURAT
3557.	SHRIRAM INSTITUTE FOR INDUSTRIAL RESEARC	GHAZIABAD
3558.	SHRIRAM PISTONS & RINGS LTD.	BHIWADI
3559.	SHRIRAM PISTONS & RINGS LTD.	BHIWADI
3560.	SHRIRAM PISTONS & RINGS LTD.	GHAZIABAD
3561.	SHRIRAM PISTONS & RINGS LTD.	GURGAON
3562.	SHRIRAM PISTONS & RINGS LTD.	HOSHIARPUR
3563.	SHRIRAM PROPERTIES LTD.	BANGALORE
3564.	SHUWEIHAT CMS INTERNATIONAL POWER COMPANY	ABU DHABI
3565.	SHUWEIHAT O&M LTD.	RUWAI
3566.	SIBRIDGE TECHNOLOGIES PVT. LTD.	AHMEDABAD
3567.	SIBRIDGE TECHNOLOGIES PVT. LTD.	DUNGARPUR
3568.	SICAME INDIA CONNECTORS PVT. LTD.	KANCHIPURAM
3569.	SICK INDIA PVT. LTD.	PUNE
3570.	SIEMENS IC SG EA EDSOL (DMS)	ABU DHABI
3571.	SIEMENS INDUSTRY SOFTWARE INDIA PVT. LTD.	PUNE
3572.	SIEMENS INDUSTRY SOFTWARE(INDIA) PVT.	BANGALORE
3573.	SIEMENS INFO SYSTEMS LTD.	BANGALORE
3574.	SIEMENS INFORMATION SYSTEMS	BANGALORE
3575.	SIEMENS INFORMATION SYSTEMS LTD.	CHENNAI
3576.	SIEMENS IT SOLUTIONS & SERVICES PVT. LTD.	DELHI
3577.	SIEMENS LLC	ABU DHABI
3578.	SIEMENS LTD.	AURANGABAD
3579.	SIEMENS LTD.	CHENNAI
3580.	SIEMENS LTD.	KOLKATA
3581.	SIEMENS LTD.	MADGAON
3582.	SIEMENS LTD.	MUMBAI
3583.	SIEMENS LTD.	NAVI MUMBAI
3584.	SIEMENS LTD.	NEW DELHI
3585.	SIEMENS LTD.	PONDA
3586.	SIEMENS LTD.	THANE
3587.	SIEMENS LTD.	UTTARPARA
3588.	SIEMENS PLM SOFTWARE	PUNE
3589.	SIEMENS POWER ENGINEERING PVT. LTD.	GHAZIABAD

3590.	SIEMENS PTE LTD.	SINGAPORE
3591.	SIEMENS TECHNOLOGY & SERVICES PVT.	CHENNAI
3592.	SIEMENS TECHNOLOGY & SERVICES PVT. LTD.	BANGALORE
3593.	SIEMENS TECHNOLOGY & SERVICES PVT. LTD.	PUNE
3594.	SIERRA ATLANTIC SOFTWARE SERVICES LTD.	CHENNAI
3595.	SIFY TECHNOLOGIES LTD.	CHENNAI
3596.	SIFY TECHNOLOGIES LTD.	JAIPUR
3597.	SIFY TECHNOLOGIES LTD.	NAGAPATTINAM
3598.	SIFY TECHNOLOGIES LTD.	NEW DELHI
3599.	SIGMA FREUDENBERG NOK	GURGAON
3600.	SIGMALINE TRANSPORTS	DUBAI
3601.	SIGNAL & TELECOMMUNICATION WORKSHOP	COIMBATORE
3602.	SIGNODE INDIA LTD.	SILVASSA
3603.	SILICUS TECHNOLOGIES	PUNE
3604.	SILTRONIC SINGAPORE PTE LTD.	TAMPINES
3605.	SILVERTECH MIDDLE EAST FZCO	CHENNAI
3606.	SILVERTECH MIDDLE EAST FZCO	COIMBATORE
3607.	SILVERTECH MIDDLE EAST, JABEL ALI DUBAI	DUBAI
3608.	SINGHANIA UNIVERSITY	PILANI
3609.	SINGTEL GLOBAL INDIA PVT. LTD.	FARIDABAD
3610.	SIRI POWER PRODUCTS	HYDERABAD
3611.	SITE TECHNOLOGY LTD. CO.	DUBAI
3612.	SKARDIN INDUSTRIAL CORP	PONDICHERRY
3613.	SKF INDIA LTD.	CHENNAI
3614.	SKF INDIA LTD.	DELHI
3615.	SKF INDIA LTD.	HARIDWAR
3616.	SKF TECHNOLOGIES INDIA PVT. LTD.	BANGALORE
3617.	SKF TECHNOLOGIES INDIA PVT. LTD.	MYSORE
3618.	SKM AIR-CONDITIONING EQUIPMENT LLC	SHARJAH
3619.	SKS GROUP CO W.L.L	KUWAIT
3620.	SL LUMAX LTD.	CHENNAI
3621.	SLING MEDIA PVT. LTD.	BANGALORE
3622.	SLK SOFTWARE SERVICES PVT. LTD.	BANGALORE
3623.	SLK SOFTWARE SERVICES PVT. LTD.	BHADRAVATHI
3624.	SMART ENOVATIONS (I) PVT. LTD.	BANGALORE
3625.	SMART ENOVATIONS (INDIA) PVT. LTD.	VIRAJPET
3626.	SMARTPLAY TECHNOLOGIES (INDIA) PVT. LTD.	BANGALORE
3627.	SMARTSTRINGS	HYDERABAD
3628.	SMC PNEUMATICS INDIA PVT. LTD.	DELHI
3629.	SMILECARE DENTAL HOSPITAL	HYDERABAD
3630.	SMOE PTE LTD.	SINGAPORE
3631.	SMS TAXI CABS PVT. LTD.	BHUBANESWAR
3632.	SMT. JAYABEN MODY HOSPITAL	WADHWAN
3633.	SMT. K. NAVALE COLLEGE OF PHYSIOTHERAPY	PUNE
3634.	SN INDUSTRIAL CONSULTANTS	BANGALORE
3635.	SNECMA HAL AEROSPACE PVT. LTD.	BANGALORE
3636.	SNECMA HAL AEROSPACE PVT. LTD.	HINDUPUR
3637.	SOBHA ENGINEERING CONTRACTING LLC	DUBAI
3638.	SOCIETE GENERALE GLOBAL SOLUTION CENTER	BANGALORE
3639.	SOCIETY FOR ELECTRONIC TRANSACTIONS &	CHENNAI
3640.	SOFTCELL TECHNOLOGIES LTD.	CHENNAI
3641.	SOFTLINK INTERNATIONAL PVT. LTD.	PUNE
3642.	SOFTWARE AG BANGALORE TECHNOLOGIES LTD.	BANGALORE
3643.	SOFTWARE PARADIGMS INFOTECH	BANGALORE
3644.	SOHAR ALUMINIUM LLC	JAMNAGAR
3645.	SOLARWINDS INDIA PVT. LTD.	CHENNAI
3646.	SOLITON TECHNOLOGIES PVT. LTD.	BANGALORE
3647.	SONA KOYO STEERING SYSTEMS LTD.	GURGAON
3648.	SONA KOYO STEERING SYSTEMS LTD.	KANCHIPURAM
3649.	SONA OKEGAWA PRECISION FORGINGS LTD.	GURGAON
3650.	SONATA SOFTWARE LTD.	BANGALORE
3651.	SONATA SOFTWARE LTD.	CHENNAI

3652.	SONATA SOFTWARE LTD.	KASARAGOD
3653.	SONICWALL INFOSECURITY PVT. LTD.	BANGALORE
3654.	SONY ELECTRONICS (S) PTE LTD.	SINGAPORE
3655.	SONY INDIA SOFTWARE CENTRE	BANGALORE
3656.	SONY INDIA SOFTWARE COMPANY	CHENNAI
3657.	SOPRA GROUP INDIA PVT. LTD.	GHAZIABAD
3658.	SOPRA GROUP INDIA PVT. LTD.	NEW DELHI
3659.	SOPRA INDIA PVT. LTD.	NOIDA
3660.	SOURCESOL INTERACTIVE TECHNOLOGIES PRIVA	TIRUCHIRAPPALLI
3661.	SOURCETRACE SYSTEMS INDIA PVT. LTD.	COIMBATORE
3662.	SOWJANYA DENTAL HOSPITAL	HYDERABAD
3663.	SPACE APPLICATIONS CENTRE	AHMEDABAD
3664.	SPAN INFOTECH INDIA PVT. LTD.	BANGALORE
3665.	SPECIALIST SERVICES	DUBAI
3666.	SPECTRIS TECHNOLOGIES PVT. LTD.	NAVI MUMBAI
3667.	SPECTRUM PHARMATECH CONSULTANTS PVT. LTD.	MUMBAI
3668.	SPICER INDIA LTD.	PUNE
3669.	SPICER INDIA LTD.	RUDRAPUR
3670.	SPICER INDIA LTD.	SATARA
3671.	SPIROTECH HEAT EXCHANGERS PVT. LTD.	BHIWADI
3672.	SPM INDIA LTD. UNIT II	BANGALORE
3673.	SPRY RESOURCES INDIA PVT. LTD.	HYDERABAD
3674.	SRA SYSTEMS PVT LTD.	CHENNAI
3675.	SREE RAMCIDES CHEMICALS PVT. LTD.	CHENNAI
3676.	SREI EQUIPMENT FINANCE PVT. LTD.	NEW DELHI
3677.	SRF LTD.	GWALIOR
3678.	SRI CHANIKYA COMPONENTS	HYDERABAD
3679.	SRI VASAVI AGENCY	TIRUVANNAMALAI
3680.	SRI VENKATESHWARA DENTAL COLLEGE	BANGALORE
3681.	SRM MEDICAL COLLEGE HOSPITAL & RC	CHENNAI
3682.	ST MICRO ELECTRONICS PVT. LTD.	SINGAPORE
3683.	ST MICROELECTRONICS PVT. LTD.	GHAZIABAD
3684.	ST MICROELECTRONICS PVT. LTD.	GURGAON
3685.	ST MICROELECTRONICS PVT. LTD.	NEW DELHI
3686.	ST. JOHN'S MEDICAL COLLEGE HOSPITAL	BANGALORE
3687.	STANLEY BLACK & DECKER INDIA LTD.	KOLKATA
3688.	STAR CEMENT COMPANY L.L.C	CHENNAI
3689.	STAR CEMENT, ADITYA BIRLA GROUP	RAS AL KHAIMAH
3690.	STATE HEALTH RESOURCE CENTER	RAIPUR
3691.	STEEL AUTHORITY OF INDIA LTD.	KEONJHAR
3692.	STEEL EXCHANGE INDIA LTD.	SREERAMPURAM
3693.	STEER ENGINEERING PVT. LTD.	BANGALORE
3694.	STERIA INDIA LTD.	NEW DELHI
3695.	STERLING & WILSON	KALYAN
3696.	STERLING HOLIDAYS	VILLUPURAM
3697.	STERLING HOSPITAL	JUNAGADH
3698.	STERLING SOFTWARE PVT. LTD.	CHENNAI
3699.	STERLITE TECHNOLOGIES LTD.	AURANGABAD
3700.	STMICROELECTRONICS PVT. LTD.	GHAZIABAD
3701.	STMICROELECTRONICS PVT. LTD.	GREATER NOIDA
3702.	STMICROELECTRONICS PVT. LTD.	MEERUT
3703.	STMICROELECTRONICS PVT. LTD.	NOIDA
3704.	STMICROELECTRONICS PVT.LTD.	PATIALA
3705.	STRIDES ARCOLAB LTD.	BANGALORE
3706.	STRYKER GLOBAL TECH CENTER	ERODE
3707.	STRYKER GLOBAL TECHNOLOGY CENTER	GURGAON
3708.	STRYKER GLOBAL TECHNOLOGY CENTRE PVT.LTD	KARNAL
3709.	STUDEC TECHNOLOGIES INDIA PVT. LTD.	BANGALORE
3710.	SUBEX PVT. LTD.	BANGALORE
3711.	SUBROS LTD.	DELHI
3712.	SUBROS LTD.	NOIDA
3713.	SUCCESSFACTORS AN SAP COMPANY	BANGALORE

3714.	SUHAIL BAHWAN HEALTH CARE CENTER LLC	CHENNAI
3715.	SULEKHA.COM NEW MEDIA PVT. LTD.	CHENNAI
3716.	SULZER INDIA	PUNE
3717.	SULZER TECH INDIA PVT. LTD.	NAVI MUMBAI
3718.	SUMMIT IT SOLUTIONS PVT. LTD.	BANGALORE
3719.	SUN KNOWLEDGE PVT. LTD.	HOWRAH
3720.	SUNDARAM - CLAYTON LTD.	CHENNAI
3721.	SUNDARAM AUTO COMPONENTS LTD.	CHENNAI
3722.	SUNDARAM AUTO COMPONENTS LTD.	HOSUR
3723.	SUNDARAM AUTO COMPONENTS LTD.	PUDUCHERRY
3724.	SUNDARAM CLAYTON LTD.	CHENNAI
3725.	SUNDARAM CLAYTON LTD.	GINGEE TALUK
3726.	SUNDARAM CLAYTON LTD.	HOSUR
3727.	SUNDARAM CLAYTON LTD.	SALEM
3728.	SUNDARAM INDUSTRIES LTD.	CHENNAI
3729.	SUNDARAM INFOTECH SOLUTIONS	CHENNAI
3730.	SUNDARAM-CLAYTON LTD.	CHENGALPET
3731.	SUNDRAM BLEISTAHL LTD.	THENI
3732.	SUNDRAM FASTENERS LTD.	CHENNAI
3733.	SUNDRAM FASTENERS LTD.	HOSUR
3734.	SUNDRAM FASTENERS LTD.	NAGERCOIL
3735.	SUNDRAM FASTENERS LTD.	NAMAKKAL
3736.	SUNDRAM FASTENERS LTD.	PONDICHERRY
3737.	SUNDRAM FASTENERS LTD.	SALEM
3738.	SUNDRAM FASTENERS LTD.	VELLORE
3739.	SUNEDISON ENERGY INDIA PVT. LTD.	BANGALORE
3740.	SUNGARD GLOBAL SOLUTION CENTER	DOMBIVLI
3741.	SUNGARD SOLUTIONS (INDIA) PVT. LTD.	PUNE
3742.	SUNGARD TECHNOLOGY SERVICES	BANGALORE
3743.	SUNGRACE PLASTIC INDUSTRIES	DELHI
3744.	SUNSERVICES FORKLIFT PARTS PVT. LTD.	CHENNAI
3745.	SUNSHINE HEART INSTITUTE	SECUNDERABAD
3746.	SUNTEC BUSINESS SOLUTIONS ,TECHNOPARK	THIRUVANANTHAPURAM
3747.	SUNTEC BUSINESS SOLUTIONS PVT. LTD.	ADOOR
3748.	SUPER AUTO FORGE PVT. LTD.	CHENNAI
3749.	SURIN AUTOMOTIVE PVT. LTD.	BANGALORE
3750.	SUTHERLAND GLOBAL SERVICES	CHENNAI
3751.	SUTHERLAND GLOBAL SERVICES	VELLORE
3752.	SUZLON ENERGY GMBH, BERLIN, GERMANY	BERLIN
3753.	SUZLON ENERGY LTD.	NAGERCOIL
3754.	SUZLON ENERGY LTD.	PUNE
3755.	SUZLON ENERGY LTD.	SALEM
3756.	SWORD GLOBAL INDIA PVT. LTD.	CHENNAI
3757.	SWORKS TECHNOLOGY SOLUTIONS	CHENNAI
3758.	SYARIKAT KEJURUTERAAN SISTEMATIK SDN. BH	SERIA
3759.	SYMANTEC CORPORATION	CHENNAI
3760.	SYMANTEC CORPORATION	NASHIK
3761.	SYMANTEC CORPORATION	PUDUCHERRY
3762.	SYMANTEC CORPORATION	PUNE
3763.	SYMANTEC INDIA PVT. LTD.	JAIPUR
3764.	SYMANTEC INDIA PVT. LTD.	PUNE
3765.	SYMANTEC SOFTWARE SERVICES INDIA PVT. LTD.	AURANGABAD
3766.	SYMANTEC SOFTWARE SERVICES INDIA PVT. LTD.	CHENNAI
3767.	SYMANTEC SOFTWARE SERVICES INDIA PVT. LTD.	COIMBATORE
3768.	SYMANTEC SOFTWARE SERVICES INDIA PVT. LTD.	FARIDABAD
3769.	SYMANTEC SOFTWARE SERVICES INDIA PVT. LTD.	MADURAI
3770.	SYMANTEC SOFTWARE SERVICES INDIA PVT. LTD.	PUNE
3771.	SYMANTEC SOFTWARE SERVICES INDIA PVT. LTD.	RAMAPURAM
3772.	SYMANTEC SOFTWARE SERVICES INDIA PVT. LTD.	TRICHY
3773.	SYMPHONY INFOSPACE INDIA PVT. LTD.	BANGALORE
3774.	SYMPHONY SERVICES LTD.	BANGALORE
3775.	SYMPHONY SERVICES LTD.	HYDERABAD

3776.	SYMPHONY SERVICES LTD.	PUNE
3777.	SYMPHONY TELECA CORPORATION	PUNE
3778.	SYNAPSE LABS PVT. LTD. PUNE	PUNE
3779.	SYNECHRON TECHNOLOGIES PVT. LTD.	PUNE
3780.	SYNERGIX INTERNATIONAL	DUBAI
3781.	SYNERZIP SOFTECH INDIA PVT. LTD.	PUNE
3782.	SYNIVERSE TECHNOLOGIES SERVICE PVT. LTD.	BANGALORE
3783.	SYNOPSIS INDIA PVT. LTD.	BANGALORE
3784.	SYNOPSIS INDIA PVT. LTD.	NEW DELHI
3785.	SYNOPSIS INDIA PVT. LTD.	PITAMPURA
3786.	SYNTEL PVT. LTD.	CHENNAI
3787.	SYNTEL PVT. LTD.	COIMBATORE
3788.	SYNTEL PVT. LTD.	MEERUT
3789.	SYNTEL PVT. LTD.	SALEM
3790.	SYNTHITE INDUSTRIES LTD.	THIRUNELVELI
3791.	SYNVERSE TECHNOLOGIES PVT. LTD.	HYDERABAD
3792.	T & B INTERNATIONAL PVT. LTD.	CHENNAI
3793.	T.D.WILLIAMSON ASIA PACIFIC PTE LTD.	JURONG
3794.	T.V.S SUNDARAM CLAYTON (P) LTD.	CHENNAI
3795.	TABAHA INFOTECH PVT. LTD.	NOIDA
3796.	TADI ENGINEERING & TECHNOLOGY CONSULTING	HYDERABAD
3797.	TAJ GROUP OF HOTELS	CHENNAI
3798.	TAKRAF INDIA LTD.,SATHYAM ENTERPRISES	CHENNAI
3799.	TAKREER	ABU DHABI
3800.	TALENTICA SOFTWARE PVT. LTD.	PUNE
3801.	TALISMA CORPORATION PVT. LTD.	BANGALORE
3802.	TALLY SOLUTIONS PVT. LTD.	BANGALORE
3803.	TAMAMOUL MOTORS	COIMBATORE
3804.	TAMILNADU NEWSPRINT & PAPERS LTD.	KARUR
3805.	TANEJA AEROSPACE & AVIATION LTD.	DHARAPURAM
3806.	TARGET CORPORATION INDIA PVT. LTD.	BANGALORE
3807.	TARGET ENGINEERING CONSTRUCTION COMPANY	ABU DHABI
3808.	TARSHAN SOFTWARE SERVICES PVT. LTD.	DELHI
3809.	TATA ADVANCED MATERIALS LTD.	BANGALORE
3810.	TATA ADVANCED MATERIALS LTD.	HUBLI
3811.	TATA ADVANCED SYSTEMS LTD.	HYDERABAD
3812.	TATA AUTOCOMP SYSTEMS LTD.	KOPPAL
3813.	TATA AUTOCOMP SYSTEMS LTD.	PUNE
3814.	TATA BUSINESS SUPPORT SERVICES	BEGUMPET
3815.	TATA BUSINESS SUPPORT SERVICES LTD.	HYDERABAD
3816.	TATA COMMUNICATIONS LTD.	CHENNAI
3817.	TATA COMMUNICATIONS LTD.	MUMBAI
3818.	TATA COMMUNICATIONS LTD.	PUNE
3819.	TATA COMMUNICATIONS LTD.	TARAKESWAR
3820.	TATA CONSULTANCY SERVICES LTD.	ALAPPUZHA
3821.	TATA CONSULTANCY SERVICES LTD.	AMRAVATI
3822.	TATA CONSULTANCY SERVICES LTD.	ARUPPUKOTTAI
3823.	TATA CONSULTANCY SERVICES LTD.	BANGALORE
3824.	TATA CONSULTANCY SERVICES LTD.	CHENNAI
3825.	TATA CONSULTANCY SERVICES LTD.	COIMBATORE
3826.	TATA CONSULTANCY SERVICES LTD.	CUDDALORE
3827.	TATA CONSULTANCY SERVICES LTD.	DEHRADUN
3828.	TATA CONSULTANCY SERVICES LTD.	DINDIGUL
3829.	TATA CONSULTANCY SERVICES LTD.	ERNAKULAM
3830.	TATA CONSULTANCY SERVICES LTD.	ERODE
3831.	TATA CONSULTANCY SERVICES LTD.	GHAZIABAD
3832.	TATA CONSULTANCY SERVICES LTD.	GUNTUR
3833.	TATA CONSULTANCY SERVICES LTD.	GURGAON
3834.	TATA CONSULTANCY SERVICES LTD.	HANUMANGARH
3835.	TATA CONSULTANCY SERVICES LTD.	HASSAN
3836.	TATA CONSULTANCY SERVICES LTD.	HAZARIBAGH
3837.	TATA CONSULTANCY SERVICES LTD.	HISAR

3838.	TATA CONSULTANCY SERVICES LTD.	HOSUR
3839.	TATA CONSULTANCY SERVICES LTD.	HYDERABD
3840.	TATA CONSULTANCY SERVICES LTD.	JAIPUR
3841.	TATA CONSULTANCY SERVICES LTD.	JAORA
3842.	TATA CONSULTANCY SERVICES LTD.	KANNUR
3843.	TATA CONSULTANCY SERVICES LTD.	KARAIKAL
3844.	TATA CONSULTANCY SERVICES LTD.	KARUR
3845.	TATA CONSULTANCY SERVICES LTD.	KHAMMAM
3846.	TATA CONSULTANCY SERVICES LTD.	KOCHI
3847.	TATA CONSULTANCY SERVICES LTD.	KOLKATA
3848.	TATA CONSULTANCY SERVICES LTD.	KOTTAYAM
3849.	TATA CONSULTANCY SERVICES LTD.	LUCKNOW
3850.	TATA CONSULTANCY SERVICES LTD.	MADURAI
3851.	TATA CONSULTANCY SERVICES LTD.	MUMBAI
3852.	TATA CONSULTANCY SERVICES LTD.	NAGPUR
3853.	TATA CONSULTANCY SERVICES LTD.	NAMAKKAL
3854.	TATA CONSULTANCY SERVICES LTD.	NARASARAOPET
3855.	TATA CONSULTANCY SERVICES LTD.	NEW DELHI
3856.	TATA CONSULTANCY SERVICES LTD.	NEYVELI
3857.	TATA CONSULTANCY SERVICES LTD.	PUDUCHERRY
3858.	TATA CONSULTANCY SERVICES LTD.	PUNE
3859.	TATA CONSULTANCY SERVICES LTD.	RANCHI
3860.	TATA CONSULTANCY SERVICES LTD.	REENGUS
3861.	TATA CONSULTANCY SERVICES LTD.	SALEM
3862.	TATA CONSULTANCY SERVICES LTD.	SECUNDERABAD
3863.	TATA CONSULTANCY SERVICES LTD.	SHOLINGHUR
3864.	TATA CONSULTANCY SERVICES LTD.	THANE
3865.	TATA CONSULTANCY SERVICES LTD.	THIRUVARUR
3866.	TATA CONSULTANCY SERVICES LTD.	THRISSUR
3867.	TATA CONSULTANCY SERVICES LTD.	TIRUCHIRAPPALLI
3868.	TATA CONSULTANCY SERVICES LTD.	TIRUNELVELI
3869.	TATA CONSULTANCY SERVICES LTD.	TIRUPUR
3870.	TATA CONSULTANCY SERVICES LTD.	TRICHY
3871.	TATA CONSULTANCY SERVICES LTD.	TRIVANDRUM
3872.	TATA CONSULTANCY SERVICES LTD.	TUMKUR
3873.	TATA CONSULTANCY SERVICES LTD.	VIJAYAWADA
3874.	TATA CUMMINS LTD.	JAMSHEDPUR
3875.	TATA CUMMINS LTD.	PHALTAN
3876.	TATA ELXSI LTD.	BANGALORE
3877.	TATA ELXSI LTD.	CALICUT
3878.	TATA ELXSI LTD.	CHENNAI
3879.	TATA ELXSI LTD.	COIMBATORE
3880.	TATA ELXSI LTD.	KANCHIPURAM
3881.	TATA ELXSI LTD.	KOTTAYAM
3882.	TATA ELXSI LTD.	MADURAI
3883.	TATA ELXSI LTD.	NEW DELHI
3884.	TATA ELXSI LTD.	PUNE
3885.	TATA ELXSI LTD.	SALEM
3886.	TATA ELXSI LTD.	THIRUVANANTHAPURAM
3887.	TATA ELXSI LTD.	THODUPUZZHA
3888.	TATA ELXSI LTD.	TRIVANDRUM
3889.	TATA HITACHI CONSTRUCTION MACHINERIES CO	DHARWAD
3890.	TATA HITACHI CONSTRUCTION MACHINERIES CO	KHARAGPUR
3891.	TATA HITACHI CONSTRUCTION MACHINERIES CO	MEDINIPUR
3892.	TATA JOHNSON CONTROLS AUTOMOTIVE LTD.	PUNE
3893.	TATA LOCKHEED MARTIN AEROSTRUCTURES LIM	HYDERABAD
3894.	TATA MOTORS LTD.	AHMEDABAD
3895.	TATA MOTORS LTD.	AMRAVATI
3896.	TATA MOTORS LTD.	CHENNAI
3897.	TATA MOTORS LTD.	COIMBATORE
3898.	TATA MOTORS LTD.	DHARWAD
3899.	TATA MOTORS LTD.	GHAZIABAD

3900.	TATA MOTORS LTD.	JAMSHEDPUR
3901.	TATA MOTORS LTD.	LUCKNOW
3902.	TATA MOTORS LTD.	PUNE
3903.	TATA MOTORS LTD.	RUDRAPUR
3904.	TATA MOTORS LTD.	SATARA
3905.	TATA POWER SED	BANGALORE
3906.	TATA POWER SED	THANE
3907.	TATA PROJECTS LTD.	CHENNAI
3908.	TATA PROJECTS LTD.	KOLKATA
3909.	TATA PROJECTS LTD.	NELLORE
3910.	TATA STEEL LTD.	GHATOTAND
3911.	TATA STEEL LTD.	JODA
3912.	TATA TECHNOLOGIES LTD.	AHMEDABAD
3913.	TATA TECHNOLOGIES LTD.	HYDERABAD
3914.	TATA TECHNOLOGIES LTD.	JAMSHEDPUR
3915.	TATA TECHNOLOGIES LTD.	LUCKNOW
3916.	TATA TECHNOLOGIES LTD.	PUNE
3917.	TATA TELESERVICES LTD.	GUWAHATI
3918.	TATAELXSI LTD.	BANGALORE
3919.	TAVANT TECHNOLOGIES	BELGAUM
3920.	TAVANT TECHNOLOGIES	NEW DELHI
3921.	TAVANT TECHNOLOGIES PVT. LTD.	BANGALORE
3922.	TAVISCA SOLUTIONS PVT. LTD.	PUNE
3923.	TAWAZUN PRECISION INDUSTRIES	ABU DHABI
3924.	TAWEELA A2 OPERATING COMPANY	ABU DHABI
3925.	TCL INDIA HOLDINGS PVT. LTD.	CHENNAI
3926.	TEBODIN & PARTNERS LLC, AL-ATHAIBAH	MUSCAT
3927.	TEBODIN MIDDLE EAST	ABU DHABI
3928.	TECH MAHINDRA LTD.	BANGALORE
3929.	TECH MAHINDRA LTD.	BIKANER
3930.	TECH MAHINDRA LTD.	CHENNAI
3931.	TECH MAHINDRA LTD.	COIMBATORE
3932.	TECH MAHINDRA LTD.	DOMBIVLI
3933.	TECH MAHINDRA LTD.	GHAZIABAD
3934.	TECH MAHINDRA LTD.	HUBLI
3935.	TECH MAHINDRA LTD.	HYDERABAD
3936.	TECH MAHINDRA LTD.	JAIPUR
3937.	TECH MAHINDRA LTD.	KOLKATA
3938.	TECH MAHINDRA LTD.	NABADWIP
3939.	TECH MAHINDRA LTD.	NEEMUCH
3940.	TECH MAHINDRA LTD.	NEW DELHI
3941.	TECH MAHINDRA LTD.	PONDICHERRY
3942.	TECH MAHINDRA LTD.	PUNE
3943.	TECH MAHINDRA LTD.	SECUNDERABAD
3944.	TECH MAHINDRA LTD.	WARANGAL
3945.	TECH SEMICONDUCTOR	CHENNAI
3946.	TECH SEMICONDUCTOR SINGAPORE PTE LT	SINGAPORE
3947.	TECHINT INDIA PVT. LTD.	MUMBAI
3948.	TECHNICAL BUSINESS SOLUTION	JODHPUR
3949.	TECHNICAL EQUIPMENT CO.LLC	ABU DHABI
3950.	TECHNIP E & C INDIA LTD.	MUMBAI
3951.	TECHNIP FRANCE	ABU DHABI
3952.	TECHNIP INDIA LTD.	CHENNAI
3953.	TECHNOINFOTECH	TIRUNELVELI
3954.	TECHNOMED ELECTRONICS	CHENNAI
3955.	TECHNOSOFT GLOBAL SERVICES (P) LTD.	BANGALORE
3956.	TECHNOSOFT GLOBAL SERVICES P LTD.	SALEM
3957.	TECHSIGNIA SOLUTIONS PVT. LTD.	PUNE
3958.	TECNOTREE CONVERGENCE LTD.	BANGALORE
3959.	TECTON ENGINEERING & CONSTRUCTION LLC	CHENNAI
3960.	TEJAS NETWORKS LTD.	BANGALORE
3961.	TEKNIKA SOLUTIONS	THIRUVANANTHAPURAM

3962.	TEKSYSTEMS GLOBAL SERVICES	BANGALORE
3963.	TEMENOS INDIA PVT. LTD.	BANGALORE
3964.	TEMENOS INDIA PVT. LTD.	CHENNAI
3965.	TENSILICA TECHNOLOGIES INDIA	PUNE
3966.	TENXLABS TECHNOLOGIES PVT. LTD.	HYDERABAD
3967.	TEREX INDIA PVT. LTD.	UDUPI
3968.	TESA TAPES (I) PVT. LTD.	NEW DELHI
3969.	TESCO HINDUSTAN SERVICE CENTRE	BANGALORE
3970.	TESCO HSC	BANGALORE
3971.	TESCO HSC	NAMAKKAL
3972.	TESSOLVE SERVICES PVT. LTD.	BANGALORE
3973.	TEST YANTRA SOFTWARE SOLUTIONS	BANGALORE
3974.	TEST YANTRA SOFTWARE SOLUTIONS	MANDYA
3975.	TEXAS INSTRUMENTS (INDIA) PVT. LTD.	BANGALORE
3976.	TEXOL ENGINEERING PVT. LTD.	PUNE
3977.	TEXTRON INDIA PVT. LTD.	BANGALORE
3978.	THAI SUMMIT NEEL AUTO PVT. LTD.	MADURAI
3979.	THAI SUMMIT NEEL AUTO PVT. LTD.	THIRUVANNAMALAI
3980.	THE MILLENNIUM	KHETRI NAGAR
3981.	THE MISSION HOSPITAL	RANIGANJ
3982.	THE NEW INDIA ASSURANCE CO. LTD.	KOLKATA
3983.	THE PRINCETON REVIEW	GURGAON
3984.	THE RAMCO CEMENTS LTD.	CHENNAI
3985.	THE ROYAL BANK OF SCOTLAND BUSINESS SERV	CHENNAI
3986.	THE SINAGRENI COLLIERIES COMPANY LTD.	KOTHAGUDEM
3987.	THE SMART TECHIES P. LTD.	JAIPUR
3988.	THE TATA POWER COMPANY LTD.	MUMBAI
3989.	THE WORLD BANK	CHENNAI
3990.	THERMAX LTD.	DINDIGUL
3991.	THERMAX LTD.	PUNE
3992.	THERMO FISHER SCIENTIFIC INDIA PVT. LTD.	CHENNAI
3993.	THINK FUTURE TECHNOLOGIES	GHAZIABAD
3994.	THINK42 LABS (P) LTD.,	CHENNAI
3995.	THIRDWARE TECHNOLOGY SOLUTIONS PVT. LTD.	CHENNAI
3996.	THOMSON REUTERS ASIA PTE LTD.	CHENNAI
3997.	THOMSON REUTERS INDIA PVT. LTD.	BANGALORE
3998.	THOUGHTWORKS INDIA PVT. LTD.	TIRUNELVELI
3999.	THOUGHTWORKS TECHNOLOGIES	NEW DELHI
4000.	THREE GEE SOLUTION PVT. LTD.	NOIDA
4001.	THYSSENKRUPP ELEVATOR INDIA PVT. LTD.	NEW DELHI
4002.	THYSSENKRUPP ELEVATORS	DUBAI
4003.	THYSSENKRUPP ELEVATORS UAE LLC	ABU DHABI
4004.	TI CYCLES OF INDIA	CHENNAI
4005.	TI METAL FORMING	THIRUVALLUR
4006.	TIBCO SOFTWARE INC	NAVI MUMBAI
4007.	TIBCO SOFTWARE INDIA PVT. LTD.	PUNE
4008.	TIETO SOFTWARE TECHNOLOGIES LTD.	PUNE
4009.	TIGER STEEL ENGINEERING LLC	SHARJAH
4010.	TIME TECHNOPLAST LTD.	MUMBAI
4011.	TIMKEN ENGINEERING & RESEARCH - INDIA	BANGALORE
4012.	TIMKEN INDIA MANUFACTURING PVT. LTD.	CHENNAI
4013.	TITAN COMPANY LTD.	BANGALORE
4014.	TITAN COMPANY LTD.	CHIDAMBARAM
4015.	TITAN COMPANY LTD.	HOSUR
4016.	TITAN COMPANY LTD.	TIRUPUR
4017.	TITAN COMPANY LTD.	VILLUPURAM
4018.	TITAN INDUSTRIAL LTD.	HOSUR
4019.	TITAN INDUSTRIES LTD.	BANGALORE
4020.	TITAN INDUSTRIES LTD.	HOSUR
4021.	TITAN INDUSTRIES LTD.	MADURAI
4022.	TITAN INDUSTRIES LTD.	TIRUNELVELI
4023.	TNQ BOOKS & JOURNALS PVT. LTD.	CHENNAI

4024.	TNS INDIA PVT. LTD.	SECUNDERABAD
4025.	TOBOC INTERNATIONAL	BANGALORE
4026.	TOLANI MARITIME INSTITUTE	PUNE
4027.	TOLUNA INDIA PVT. LTD.	MEERUT
4028.	TOOLTECH GLOBAL ENGINEERING PVT. LTD.	PUNE
4029.	TORRY HARRIS BUSINESS SOLUTIONS	BANGALORE
4030.	TOSHIBA EMBEDDED SOFTWARE (INDIA) PVT. LTD.	BANGALORE
4031.	TOSHIBA GLOBAL COMMERCE SOLUTIONS LTD.	BANGALORE
4032.	TOSHIBA JSW TURBINE & GENERATOR PVT. LTD.	KRISHNAGIRI
4033.	TOSHIBA MACHINE (CHENNAI) PVT.LTD	CHENNAI
4034.	TOSHIBA SOFTWARE INDIA PVT. LTD.	BANGALORE
4035.	TOWARDS VISION TECHNOLOGIES PVT. LTD.	GURGAON
4036.	TOYO ENGINEERING INDIA LTD.	THANE
4037.	TOYOTA KIRLOSKAR MOTOR PVT. LTD.	BANGALORE
4038.	TOYOTA KIRLOSKAR MOTOR PVT. LTD.	MANDYA
4039.	TP VISION INDIA PVT. LTD.	BANGALORE
4040.	TPF TECHNOLOGIES PVT. LTD.	NOIDA
4041.	TPS INFRASTRUCTURE LTD.	DURG
4042.	TR ENGINEERING LLC	MUSCAT
4043.	TR ENGINEERING LLC	RUWI
4044.	TRAC FUJICO AIR SYSTEMS LLP	CHENNAI
4045.	TRACTEBEL ENGINEERING PVT. LTD.	NEW DELHI
4046.	TRACTORS & FARM EQUIPMENT LTD.	CHENGANNUR
4047.	TRACTORS & FARM EQUIPMENT LTD.	DODDABALLAPUR
4048.	TRACTORS & FARM EQUIPMENT LTD.	MADURAI
4049.	TRACTORS & FARM EQUIPMENTS LTD.	CHENNAI
4050.	TRACTORS INDIA LTD.	KHARAGPUR
4051.	TRANE INDIA PVT. LTD.	DELHI
4052.	TRANQUILIT SOFTWARE PVT. LTD.	COIMBATORE
4053.	TRANS GULF ELECTRO MECHANICAL L.L.C	DUBAI
4054.	TRANS GULF ELECTRO MECHANICAL LLC	DUBAI
4055.	TRANSGULF ELECTROMECHANICAL LLC	DUBAI
4056.	TRANTER INDIA PVT. LTD.	PUNE
4057.	TREND MICRO INDIA PVT. LTD.	BANGALORE
4058.	TRIDAT TECHNOLOGIES PVT. LTD.	MUMBAI
4059.	TRIDENT INFOSOL PVT. LTD.	BANGALORE
4060.	TRIMBLE MOBILITY SOLUTIONS PVT. LTD.	PUNE
4061.	TRIPLE POINT TECHNOLOGY (I) PVT. LTD.	PUNE
4062.	TRIVENI TURBINES LTD.	BANGALORE
4063.	TRW AUTOMOTIVE	CHENNAI
4064.	TRX TECHNOLOGIES INDIA PVT.LTD	BANGALORE
4065.	TUBE INVESTMENTS OF INDIA LTD.	PUNE
4066.	TUBE PRODUCTS OF INDIA	CHENNAI
4067.	TUBE PRODUCTS OF INDIA	CHENNAI
4068.	TURBO ENERGY LTD.	CHENNAI
4069.	TURNING POINT EXPORTS PVT. LTD.	RAEBARELI
4070.	TUSHACO PUMPS PVT.LTD	DAMAN
4071.	TUV SUD SOUTH ASIA PVT. LTD.	BANGALORE
4072.	TVM SIGNALLING & TRANSPORTATION SYSTEM	BANGALORE
4073.	TVS & SONS LTD.	CHENNAI
4074.	TVS ELECTRONICS LTD.	CHENNAI
4075.	TVS INFOTECH LTD.	TRICHY
4076.	TVS MOTOR COMPANY LTD.	CHENNAI
4077.	TVS MOTOR COMPANY LTD.	ERODE
4078.	TVS MOTOR COMPANY LTD.	HOSUR
4079.	TVS MOTOR COMPANY LTD.	MYSORE
4080.	TVS MOTOR COMPANY LTD.	SRIVILLIPUTTUR
4081.	TVS MOTOR COMPANY LTD.	TUTICORIN
4082.	TVS SUNDARAM CLAYTON LTD.	CHENNAI
4083.	TVS SUNDARAM CLAYTON LTD.	POONDI
4084.	TVS SUNDARAM CLAYTON LTD.	TIRUNELVELI
4085.	TVS SUNDARAM CLAYTON LTD.	TIRUPUR

4086.	TVS SUNDARAM CLAYTON LTD.	VILLUPURAM
4087.	TVS SUNDRAM FASTENERS LTD.	COIMBATORE
4088.	TVS SUNDRAM FASTENERS LTD.	HOSUR
4089.	TVS SUNDRAM FASTENERS LTD.	SALEM
4090.	TVS SUNDRAM FASTENERS LTD.	TRICHY
4091.	TVS SUNDRAM FASTENERS LTD.	VELLORE
4092.	TVSMOTORS LTD.	HOSUR
4093.	TVS-SUNDRAM FASTENERS LTD.	CHENNAI
4094.	TVS-SUNDRAM FASTENERS LTD.	KANCHIPURAM
4095.	TYCO ELECTRONICS	BANGALORE
4096.	TYCO FIRE & SECURITY UAE	ABU DHABI
4097.	U P POWER CORP LTD.	GHAZIABAD
4098.	UCAL FUEL SYSTEMS LTD.	CHENNAI
4099.	UCAL FUEL SYSTEMS LTD.	VILLUPURAM
4100.	UCAM PVT. LTD.	BANGALORE
4101.	ULTRA TECH CEMENT LTD.	ARIYALURU
4102.	ULTRATECH CEMENT LTD.	AWARPUR
4103.	ULTRATECH CEMENT LTD.	CHANDRAPUR
4104.	ULTRATECH CEMENT LTD.	CHITTORGARH
4105.	ULTRATECH CEMENT LTD.	GHAZIABAD
4106.	ULTRATECH CEMENT LTD.	GREATER NOIDA
4107.	ULTRATECH CEMENT LTD.	HOWRAH
4108.	ULTRATECH CEMENT LTD.	JODHPUR
4109.	ULTRATECH CEMENT LTD.	KOVAYA
4110.	ULTRATECH CEMENT LTD.	MUMBAI
4111.	ULTRATECH CEMENT LTD.	RAIGARH
4112.	ULTRATECH CEMENT LTD.	RAIPUR
4113.	ULTRATECH CEMENT LTD.	RAJULA
4114.	ULTRATECH CEMENT LTD.	TADIPATRI
4115.	ULTRATECH CEMENT LTD.	TIRUCHIRAPPALLI
4116.	UNICOMMERCE E SOLUTIONS PVT. LTD.	NOIDA
4117.	UNICORN MCF SOLUTIONS PVT. LTD.	COCHIN
4118.	UNICORN PACKERS PVT. LTD.	AHMEDABAD
4119.	UNIKID - INTERNATINAL KIDS CLOTHING	BARNALA
4120.	UNIPRES INDIA PVT. LTD.	CHEYEAR
4121.	UNIQUE SOLUTIONS	CHENNAI
4122.	UNISYS GLOBAL PVT. LTD.	BANGALORE
4123.	UNITED ENGINEERING SERVICES	MUSCAT
4124.	UNITED ENGINEERING SERVICES LLC	RUSAYL
4125.	UNITED HEALTH GROUP	HYDERABAD
4126.	UNITED HEALTH GROUP	JAIPUR
4127.	UNITED HEALTH GROUP INFORMATION SERVICES	FARIDABAD
4128.	UNITED HEALTH GROUP PVT. LTD.	GURGAON
4129.	UNITED HEALTH GROUP, GURGAON	GURGAON
4130.	UNITED ONLINE SOFTWARE DEV.(I) PVT. LTD.	HYDERABAD
4131.	UNITED PHOSPHORUS LTD.	BHARUCH
4132.	UNITED SPIRITS LTD.	UDAIPUR
4133.	UNITED TECHNOLOGIES CORPORATION	BANGALORE
4134.	UNITED TELECOMS LTD.	HYDERABAD
4135.	UNITEDHEALTH GROUP INFORMATION SERVICES	NEW DELHI
4136.	UNITY APPLIANCES LTD.,VIDEOCON GROUP	RAMANATHAPURAM
4137.	UNIVERSAL HOSPITAL LLC	ABU DHABI
4138.	UNIVERSAL POWER SYS PVT. LTD.(A)TECHZONE	CHENNAI
4139.	UNIVERSAL POWER SYSTEM(A) TECHZONE	CHENNAI
4140.	UNIVERSAL PRODUCTS SOLUTION	PALAKKAD
4141.	UNIVERSAL SERVICE CENTER	ABU DHABI
4142.	UNIVERSITY OF KASHMIR	SRINAGAR
4143.	UNIVERSITY YADUNDE	ANTANANARIVO
4144.	UNIVERSITY YADUNDE	CAMEROON
4145.	UNIVERSITY YADUNDE	KIGALI
4146.	UNIVERSITY YADUNDE	LIBREVILLE
4147.	UNIVERSITY YADUNDE	MAPUTO

4148.	UNIVERSITY YADUNDE	SAO TOME
4149.	UNIVERSITY YADUNDE	YAOUNDE
4150.	US CONSULATE DUBAI	DUBAI
4151.	US TECHNOLOGY INTERNATIONAL PVT. LTD.	TRIVANDRUM
4152.	UST - GLOBAL INTERNATIONAL PVT. LTD.	BANGALORE
4153.	UST - GLOBAL INTERNATIONAL PVT. LTD.	CHENNAI
4154.	UST - GLOBAL INTERNATIONAL PVT. LTD.	KANYAKUMARI
4155.	UST - GLOBAL INTERNATIONAL PVT. LTD.	KUPPAM
4156.	UST - GLOBAL INTERNATIONAL PVT. LTD.	MADURAI
4157.	UST - GLOBAL INTERNATIONAL PVT. LTD.	MAVELIKARA
4158.	UST - GLOBAL INTERNATIONAL PVT. LTD.	TRIPUNITHURA
4159.	UST - GLOBAL INTERNATIONAL PVT. LTD.	TRIVANDRUM
4160.	UTC AEROSPACE SYSTEMS	BANGALORE
4161.	UVJ TECHNOLOGIES PVT. LTD.	ERNAKULAM
4162.	VAATA INFRA PVT. LTD.	CHENNAI
4163.	VALEO ELECTRICALS INDIA PVT. LTD.	PUNE
4164.	VALEO INDIA PVT. LTD.	CHENNAI
4165.	VALUE MULTIPLIER CONSULTANCY SERVICES	VISAKHAPATNAM
4166.	VALUESOURCE TECHNOLOGIES	CHENNAI
4167.	VALVTECHNOLOGIES PVT. LTD.	CHENNAI
4168.	VAMSOFT TECHNOLOGY & CONSULTANCY PVT. LTD.	CHENNAI
4169.	VAN OORD GULF FZE	DUBAI
4170.	VANCRAFTS LLP	ERNAKULAM
4171.	VANDE SOFTECH PVT. LTD.	BELLARY
4172.	VARAL LLC	DUBAI
4173.	VARDHMAN FABRICS	TIRUVARUR
4174.	VARDHMAN SPECIAL STEELS LTD.	AMBALA
4175.	VARROC ENGG. PVT. LTD.	NANDED
4176.	VARROC ENGINEERING PVT. LTD.	PUNE
4177.	VARROC ENGINEERING PVT. LTD.	KARAD
4178.	VASAN EYE CARE HOSPITAL	GURGAON
4179.	VATANUCOOL ENGINEERS	MUMBAI
4180.	VDL ENABLING TECHNOLOGIS GROUP	TRICHY
4181.	VE COMMERCIAL VEHICLES LTD.	INDORE
4182.	VE COMMERCIAL VEHICLES LTD.	DHAR
4183.	VE COMMERCIAL VEHICLES LTD.	HIMATNAGAR
4184.	VE COMMERCIAL VEHICLES LTD.	LUCKNOW
4185.	VEC OIL & GAS CONSULTANTS	AL-KHUWAIR
4186.	VEDAMS SOFTWARE SOLUTIONS INDIA PVT. LTD.	HYDERABAD
4187.	VEDANTA ALUMINIUM LTD.	JHARSUGUDA
4188.	VEEGEE INDUSTRIAL ENTERPRISES PVT. LTD.	FARIDABAD
4189.	VEGE MOTORS	NEW DELHI
4190.	VELL BISCUITS (P) LTD.	TRICHY
4191.	VELOSI LLC	MUMBAI
4192.	VELOSI LLC	BANGALORE
4193.	VELOSI LLC	HAMRIYA
4194.	VELOSI LLC	MUSCAT
4195.	VENERA TECHNOLOGIES PVT. LTD.	GHAZIABAD
4196.	VENTURE GULF ENGINEERING W.L.L	DOHA
4197.	VERIZON DATA SERVICES INDIA PVT. LTD.	CHENNAI
4198.	VERIZON DATA SERVICES INDIA PVT. LTD.	COIMBATORE
4199.	VERIZON DATA SERVICES INDIA PVT. LTD.	HYDERABAD
4200.	VERIZON DATA SERVICES INDIA PVT. LTD.	KOVILPATTI
4201.	VERIZON DATA SERVICES INDIA PVT. LTD.	VELLORE DISTRICT
4202.	VERIZON DATA SERVICES INDIA PVT. LTD.	TRICHY
4203.	VERIZON DATA SERVICES INDIA PVT. LTD.	DINDIGUL
4204.	VERMEER MIDDLE EAST FZCO	DUBAI
4205.	VERTEX AUTOMATION SYSTEM PVT. LTD.	NOIDA
4206.	VERYX TECHNOLOGIES PVT. LTD.	MADURAI
4207.	VESTAS TECHNOLOGY R&D CHENNAI PVT. LTD.	CHENNAI
4208.	VESTAS WIND TECHNOLOGY INDIA PVT. LTD.	THENI
4209.	VGN DEVELOPERS PVT. LTD.	CHENNAI

4210.	VGN INFRA INDIA PVT. LTD.	CHENNAI
4211.	V-GUARD INDUSTRIES LTD.	KOCHI
4212.	VIBHA CORPORATION,AMBAD MICD	NASHIK
4213.	VIDEOCON INDUSTRIES LTD.	NEW DELHI
4214.	VIDYATECH SOLUTIONS	PUNE
4215.	VIGNANI TECHNOLOGIES PVT. LTD.	BANGALORE
4216.	VIKRAM CEMENT WORKS	NIMUCH
4217.	VIKRAM SARABHAI SPACE CENTRE	THIRUVANANTHAPURAM
4218.	VIMUKTI TECHNOLOGIES PVT. LTD.	HYDERABAD
4219.	VINO ENTERPRISES PVT. LTD.	NAGERCOIL
4220.	VINTAGE ENTERPRISE PVT. LTD.	GREATER NOIDA
4221.	VIPUL MEDCORP	PUNE
4222.	VIRAJ ENGINEERING COMPANY	NASHIK
4223.	VIRGO ENGINEERS LTD.	COIMBATORE
4224.	VIRGO VALVES & CONTROLS LTD.	PUNE
4225.	VIRTUSA SOFTWARE SERVICES PVT. LTD.	ARCOT
4226.	VIRTUSA SOFTWARE SERVICES PVT. LTD.	CHENNAI
4227.	VIRTUSA SOFTWARE SERVICES PVT. LTD.	GIDDALUR
4228.	VIRTUSA SOFTWARE SERVICES PVT. LTD.	HYDERABAD
4229.	VIRTUSA SOFTWARE SERVICES PVT. LTD.	MEDAK
4230.	VIRTUSA SOFTWARE SERVICES PVT. LTD.	SALEM
4231.	VIRTUSA SOFTWARE SERVICES PVT. LTD.	VAYALPAD
4232.	VISHWAKARMA INSTITUTE OF MANAGEMENT	PUNE
4233.	VISION INFORMATION TRANSCATION INDIA PVT. LTD.	SECUNDERABAD
4234.	VISTA INFOSYSTEMS	CHENNAI
4235.	VISTEON AUTOMOTIVE SYSTEMS INDIA PVT. LTD.	CHENNAI
4236.	VISTEON AUTOMOTIVE SYSTEMS INDIA PVT. LTD.	CHENGALPET
4237.	VISTEON AUTOMOTIVE SYSTEMS INDIA PVT. LTD.	PUNE
4238.	VISTEON TECHNICAL & SERVICES CENTRE	BULDHANA
4239.	VISTEON TECHNICAL & SERVICES CENTRE	CHENNAI
4240.	VISTEON TECHNICAL & SERVICES CENTRE	SHAMLI
4241.	VISTEON TECHNICAL & SERVICES CENTRE	BIJNOR
4242.	VISUAL IQ TECHNO SERVICES INDIA PVT. LTD.	COCHIN
4243.	VISUAL IQ TECHNO SERVICES INDIA PVT. LTD.	KOCHI
4244.	VISWAMBARA SOFTWARE SYSTEMS	VILLUPURAM
4245.	VIZUAL BUSINESS TOOL PVT. LTD.	CHENNAI
4246.	VMC SYSTEMS LTD.	SECUNDERABAD
4247.	VMWARE SOFTWARE INDIA PVT. LTD.	BANGALORE
4248.	VODAFONE INDIA SERVICES PVT. LTD.	PUNE
4249.	VOITH PAPER TECHNOLOGY (I) PVT. LTD.	FARIDABAD
4250.	VOITH PAPER TECHNOLOGY (I) PVT. LTD.	KOLKATA
4251.	VOLITION LABS LLP	MUMBAI
4252.	VOLKSWAGEN INDIA PVT. LTD.	PIMPRI
4253.	VOLKSWAGEN INDIA PVT. LTD.	PUNE
4254.	VOLTAMP MFG CO LLC	RUSAYL
4255.	VOLTAS LTD.	DOHA
4256.	VOLTAS LTD.	KALYAN
4257.	VOLTECH ENGINEERS PVT. LTD.	CHENNAI
4258.	VOLTECH ENGINEERS PVT. LTD.	VILLUPURAM
4259.	VOLVO BUSES INDIA PVT. LTD.	BANGALORE
4260.	VOLVO EICHER COMMERCIAL VEHICLE LTD.	LUCKNOW
4261.	VOLVO INDIA PVT. LTD.	BANGALORE
4262.	VOLVO INDIA PVT. LTD.	COIMBATORE
4263.	VOTARY SOFT TECH SOLUTIONS PVT. LTD.	HYDERABAD
4264.	VSERV BUSINESS SOLUTIONS PVT. LTD.	KARNAL
4265.	VSPLASH TECHLABS PVT. LTD.	HYDERABAD
4266.	VUBITES INDIA PVT. LTD.	MUMBAI
4267.	VXL INSTRUMENTS LTD.	BANGALORE
4268.	WABCO INDIA LTD.	CHENNAI
4269.	WABCO INDIA LTD.	KANCHEEPURAM
4270.	WABCO INDIA LTD.	TRICHY
4271.	WALMART GLOBAL TECHNOLOGY SERVICES	BANGALORE

4272.	WALTER TOOLS INDIA PVT. LTD.	CHENNAI
4273.	WARTSILA INDIA LTD.	ALIGARH
4274.	WARTSILA GULF LLC	DUBAI
4275.	WARTSILA INDIA LTD.	VELLORE
4276.	WARTSILA INDIA LTD.	VIRUDHUNAGAR
4277.	WASCO ENGINEERING INTERNATIONAL LTD.	DUBAI
4278.	WATER & ENVIRONMENTAL TECHNOLOGIES LTD.	RIYADH
4279.	WATERS INDIA PVT. LTD.	KARAIKUDI
4280.	WEATHERFORD OIL TOOLS MIDDLE EAST LTD.	ABU DHABI
4281.	WEATHERFORD OIL TOOLS MIDDLE EAST LTD.	MUSSAFAH
4282.	WEBRAINS SOLUTIONS PVT. LTD.	BHUBANESWAR
4283.	WEBYOG SOFTWORKS PVT. LTD.	BANGALORE
4284.	WEG INDUSTRIES INDIA PVT. LTD.	BANGALORE
4285.	WEG INDUSTRIES INDIA PVT. LTD.	HOSUR
4286.	WEIR MINERALS (I) PVT. LTD.	BANGALORE
4287.	WELLS FARGO INDIA SOLUTIONS PVT. LTD.	ALAPPUZHA
4288.	WELLS FARGO INDIA SOLUTIONS PVT. LTD.	BANGALORE
4289.	WELLS FARGO INDIA SOLUTIONS PVT. LTD.	HYDERABAD
4290.	WELLS FARGO INDIA SOLUTIONS PVT. LTD.	KOTTAYAM
4291.	WELLS FARGO INDIA SOLUTIONS PVT. LTD.	SECUNDERABAD
4292.	WELLSPRING HEALTHCARE PVT. LTD.	MUMBAI
4293.	WELMADE LOCKING SYSTEM PVT. LTD.	PUNE
4294.	WENDT INDIA LTD.	HOSUR
4295.	WENGLOR SENSORIC INDIA PVT. LTD.	CHENNAI
4296.	WESEE, MINISTRY OF DEFENCE	FARIDABAD
4297.	WESEE, MINISTRY OF DEFENCE	NEW DELHI
4298.	WESLEY CLOVER COMMUNICATION SYSTEMS	BANGALORE
4299.	WESTERN THOMSON INDIA LTD.	BATLAGUNDU
4300.	WESTERN THOMSON INDIA LTD.	DEVAKOTTAI
4301.	WGM SPECTRUM RESEARCH	NEW DELHI
4302.	WHEELS INDIA LTD.	ATPADI
4303.	WHEELS INDIA LTD.	CHENNAI
4304.	WHEELS INDIA LTD.	KARMALA
4305.	WHEELS INDIA LTD.	MADURAI
4306.	WHIRLPOOL OF INDIA LTD.	JOLARPETTAI
4307.	WHIRLPOOL OF INDIA LTD.	PONDICHERRY
4308.	WHIRLPOOL OF INDIA LTD.	PUNE
4309.	WHITECROSS HEALTH INITIATIVES PVT. LTD.	BANGALORE
4310.	WIELAND METALS SINGAPORE PTE LTD.	SINGAPORE
4311.	WILLIAM HARE INDIA PVT. LTD.	CHENNAI
4312.	WILLIAMS CONTROLS IND. LTD.	PUNE
4313.	WIND WORLD INDIA LTD.	DAMAN
4314.	WIND WORLD INDIA(ENERCON INDIA)	PATNA
4315.	WINSHUTTLE SOFTWARE INDIA PVT. LTD.	PANCHKULA
4316.	WINWIND POWER ENERGY PVT. LTD.	CHENNAI
4317.	WIPRO ARABIA LTD.	RIYADH
4318.	WIPRO ENTERPRICES LTD.	CHEYEAR
4319.	WIPRO ENTERPRISES LTD.	VELLORE
4320.	WIPRO GE HEALTHCARE PVT. LTD.	BANGALORE
4321.	WIPRO INFOTECH PVT. LTD.	CHENNAI
4322.	WIPRO INFOTECH PVT. LTD.	ERODE
4323.	WIPRO INFOTECH PVT. LTD.	HYDERABAD
4324.	WIPRO INFOTECH PVT. LTD.	MYSORE
4325.	WIPRO INFOTECH PVT. LTD.	BANGALORE
4326.	WIPRO TECHNOLOGIES LTD.	BANGALORE
4327.	WIPRO TECHNOLOGIES LTD.	CHENNAI
4328.	WIPRO TECHNOLOGIES LTD.	COIMBATORE
4329.	WIPRO TECHNOLOGIES LTD.	CUDDLALORE
4330.	WIPRO TECHNOLOGIES LTD.	DELHI
4331.	WIPRO TECHNOLOGIES LTD.	DINDIGUL
4332.	WIPRO TECHNOLOGIES LTD.	ERODE
4333.	WIPRO TECHNOLOGIES LTD.	GUNTUR

4334.	WIPRO TECHNOLOGIES LTD.	GURGAON
4335.	WIPRO TECHNOLOGIES LTD.	HOSUR
4336.	WIPRO TECHNOLOGIES LTD.	HYDERABAD
4337.	WIPRO TECHNOLOGIES LTD.	JABALPUR
4338.	WIPRO TECHNOLOGIES LTD.	JHAJJAR
4339.	WIPRO TECHNOLOGIES LTD.	KANCHEEPURAM
4340.	WIPRO TECHNOLOGIES LTD.	KARAIKUDI
4341.	WIPRO TECHNOLOGIES LTD.	KOLKATA
4342.	WIPRO TECHNOLOGIES LTD.	KOTA
4343.	WIPRO TECHNOLOGIES LTD.	KOTTURU
4344.	WIPRO TECHNOLOGIES LTD.	KUMBAKONAM
4345.	WIPRO TECHNOLOGIES LTD.	MANDYA
4346.	WIPRO TECHNOLOGIES LTD.	MYSORE
4347.	WIPRO TECHNOLOGIES LTD.	NEW DELHI
4348.	WIPRO TECHNOLOGIES LTD.	PANRUTI
4349.	WIPRO TECHNOLOGIES LTD.	PATIALA
4350.	WIPRO TECHNOLOGIES LTD.	PUNE
4351.	WIPRO TECHNOLOGIES LTD.	SHIMLA
4352.	WIPRO TECHNOLOGIES LTD.	TIRUPUR
4353.	WIPRO TECHNOLOGIES LTD.	TUMKUR
4354.	WIPRO TECHNOLOGIES LTD.	VASUDEVANALLUR
4355.	WIPRO TECHNOLOGIES LTD.	VELLORE
4356.	WIRTGEN INDIA PVT. LTD.	THANE
4357.	WME CONSULTANTS	DUBAI
4358.	WMI KONECRANES INDIA LTD.	CHENNAI
4359.	WMS GAMING SOLUTIONS INDIA PVT. LTD.	CHITTOOR
4360.	WNS GLOBAL SERVICES	GURGAON
4361.	WOCKHARDT HOSPITALS	MUMBAI
4362.	WOCKHARDT HOSPITALS	HYDERABAD
4363.	WOCKHARDT HOSPITALS	AURANGABAD
4364.	WORLD BANK	CHENNAI
4365.	WORLEY PARSONS	ABU DHABI
4366.	WORLEY PARSONS	AL-KHUWAIR
4367.	WORLEY PARSONS	KANYAKUMARI
4368.	WORLEY PARSONS	KUWAIT
4369.	WORLEY PARSONS	MANGALORE
4370.	WORLEY PARSONS	MUSCAT
4371.	WRIGLEY INDIA PVT. LTD.	BANGALORE
4372.	WS ATKINS & PARTNERS OVERSEAS	SHARJAH
4373.	WS ATKINS INDIA PVT. LTD.	BANGALORE
4374.	WSCUBETECH	JODHPUR
4375.	WSP MIDDLE EAST	ALAPPUZHA
4376.	XAVIENT INFORMATION SYSTEMS	PATNA
4377.	XCALIBER TECHNOLOGIES	PUNE
4378.	XCHANGING TECHNOLOGIES PVT. LTD.	INDORE
4379.	XENTO SYSTEMS	PUNE
4380.	XEROX INDIA LTD.	ALUVA
4381.	XEROX INDIA LTD.	BANGALORE
4382.	XEROX INDIA LTD.	CHENNAI
4383.	XEROX INDIA LTD.	COCHIN
4384.	XEROX INDIA LTD.	NEW DELHI
4385.	XEROX SERVICES	BANGALORE
4386.	XOMOX SANMAR LTD.	MADURAI
4387.	XOMOX SANMAR LTD.	TRICHIRAPALLI
4388.	XORAIL LLC	BANGALORE
4389.	XORIAN SOLUTIONS PVT. LTD.	MUMBAI
4390.	XPANXION INTL. PVT. LTD.	PUNE
4391.	XYKA SOFTWARE (P) LTD.	BANGALORE
4392.	XYLEM WATER SOLUTIONS INDIA PVT. LTD.	VADODARA
4393.	YAHOO SOFTWARE DEVELOPMENT INDIA PVT. LTD.	BANGALORE
4394.	YAHOO SOFTWARE DEVELOPMENT INDIA PVT. LTD.	GWALIOR
4395.	YANTRA SOLUTIONS	THIRUCHENGODE

4396.	YASHODA HOSPITAL	HYDERABAD
4397.	YATRA ONLINE PVT. LTD.	HYDERABAD
4398.	YAZAKI WIRING TECHNOLOGIES INDIA PVT. LTD.	KOTTAYAM
4399.	YAZAKI WIRING TECHNOLOGIES INDIA PVT. LTD.	CHENNAI
4400.	YODLEE INFOTECH PVT. LTD.	BANGALORE
4401.	YOROZU JBM AUTOMOTIVE TAMILNADU PVT. LTD.	TRICHY
4402.	YSC ENGINEERING SERVICE PVT. LTD.	THIRUVALLA
4403.	YUME ADVERTISING PVT. LTD.	CHENNAI
4404.	ZALONI TECHNOLOGIES LTD.	GUWAHATI
4405.	ZAMIL AIRCONDITIONERS	DAMMAM
4406.	ZEBROST TECHNOLOGIES PVT. LTD.	PUNE
4407.	ZEN TECHNOLOGIES LTD.	HYDERABAD
4408.	ZENERICA INFOSOLUTIONS PVT. LTD.	DELHI
4409.	ZENMONICS SOFTWARE PVT. LTD.	PUNE
4410.	ZENSAR TECHNOLOGIES	ADONI
4411.	ZENSAR TECHNOLOGIES	DHULE
4412.	ZENSAR TECHNOLOGIES	PUNE
4413.	ZENSAR TECHNOLOGIES	SATARA
4414.	ZEON SOLUTIONS PVT. LTD.	NAGPUR
4415.	ZEUS SYSTEMS	CUDDALORE
4416.	ZF INDIA PVT. LTD.	PUNE
4417.	ZF LENKSYSTEME	PUNE
4418.	ZF WIND POWER COIMBATORE	COIMBATORE
4419.	ZIETA TECHNOLOGIES PVT. LTD.	BANGALORE
4420.	ZIGNASA EDUCATION SERVICE PVT. LTD.	BALLIA
4421.	ZINGMOBILE PTE LTD.	GREATER NOIDA
4422.	ZOHO CORPORATION PVT. LTD.	CALICUT
4423.	ZOHO CORPORATION PVT. LTD.	CHENNAI
4424.	ZOHO CORPORATION PVT. LTD.	KOVILPATTI
4425.	ZS ASSOCIATES INDIA PVT. LTD.	GURGAON
4426.	ZYCUS INFOTECH PVT. LTD.	PANVEL
4427.	ZYME SOLUTION	BANGALORE
4428.	ZYNGA GAME NETWORK INDIA PVT. LTD.	MAVELIKARA

LIST OF PROJECT WORK SUBMITTED BY STUDENTS UNDER THE WORK INTEGRATED LEARNING PROGRAMMES IN THE YEAR 2014

B.S. (Engineering Technology)

1. ABU DHABI FUTURE SCHOOL PROGRAM PROJECT (MEP SERVICES)
2. ACID CLEANING OF DESALINATION PLANT
3. ADAPTING BLAST LOAD CRITERIA FOR THE PIPE SUPPORT MEMBER DESIGN IN EXISTING OFFSHORE PLANT
4. AIR CONDITION DEVELOPMENT AND DIAGNOSIS
5. AIR CONDITIONING AND AIRCONDITIONING SYSTEM DESIGN
6. ANALYSIS AND REDUCE WELD REPAIR ON CIRCUMFERENTIAL MITER WELD JOINTS
7. ANALYSIS AND RISK ASSESSMENT REPORT ON SODIUM REDUCTION AND SKIMMING STATION IN CAST HOUSE - EMAL
8. APPLICATION OF QUALITY TOOLS AND QC STORY METHODOLOGY FOR RESOLVING CHRONIC QUALITY AND PRODUCTIVITY PROBLEMS IN VEHICLE ASSEMBLY
9. AS PER STRATEGY OF IN-HOUSE MANUFACTURING DEVELOP PROCESSES AND MAP MATERIAL FLOW FOR COMPRESSED AIR CONTROL SYSTEM TO IMPROVE THROUGH PUT TIME
10. ATOMIZATION OF GEARBOX DESIGN VALIDATION AND PARAMETRIC MODELING
11. AUGMENT SPARES BUSINESS VOLUME THROUGH NEW KITS INTRODUCTION
12. AUTOMATIC ABSOLUTE CUTTING MACHINE
13. AUTOMATIC FIRE & GAS DETECTION AND ALARM USING MICROPROCESSOR BASED F&G SYSTEM
14. AUTOMATIC FIRE EXTINGUISHING SYSTEM USING ARGONITE GAS
15. AUTOMATIC FIRE PROTECTION SYSTEM IN BUILDINGS UTILIZING FIXED MECHANICAL GAS EXTINGUISHING SYSTEM AND DETECTION SYSTEM
16. AUTOMATIC POWER FACTOR CONTROL
17. AUTOMATION BASED WATER TREATMENT SYSTEM
18. AUTOMATION OF BATTERY ASSEMBLY PROCESS
19. AUTOMATION OF TESTING HEADEND SIGNALS ON SET TOP BOX
20. AUTOMATION USING SIMATIC S7 WITH SCADA REPORTS
21. AUTOMOTIVE PANEL PARTS MANUFACTURING ORGANIZATION
22. BARCODE MATERIAL TRACKING SYSTEM IN TRUNNION MOUNTED BALL VALVE
23. BEARING MANUFACTURING TOOLING DESIGN ENHANCEMENTS FOR IMPROVED PRODUCTIVITY
24. BEHAVIOR BASED SAFETY
25. BILL OF QUANTITY TAKE-OFF IN TEKLA MODEL
26. BRAND MANAGEMENT & MARKETING STRATEGY – VOLVO DUMP TRUCK IN INDIA
27. BUILDING AUTOMATION AND ENERGY EFFICIENCY
28. BUILDING AUTOMATION AND POWER MANAGEMENT SYSTEMS
29. BUILDING MANAGEMENT SYSTEM (BMS)
30. CAD & MECHANICAL DESIGN
31. CAPACITY ENHANCEMENT THROUGH PROCESS INNOVATION
32. COLOR GROUPING EFFICIENCY IMPROVEMENT IN PRIMER BOOTH
33. COMMONISATION OF PAINT IN PRIMER ROBOTS FOR PRODUCTIVITY IMPROVEMENT
34. COMPETENCY DEVELOPMENT PROGRAMME FOR LOCAL GARAGE TECHNICIAN
35. COMPRESSED AIR DRYER SYSTEM FOR WAVE GUIDE APPLICATION
36. COMPRESSION SYSTEM RESTAGING TO INCREASE THE REMAINING LIFE OF FIELD AT TAPTI, TAPTI PHASE II
37. CONSTRUCTION OF COVERED BLASTING AND PAINTING SHOP TO OPTIMIZE THE PAINTING ACTIVITY
38. CONSTRUCTION OF NEW 132KV GRID STATION AT AL-AYJAH & ASSOCIATED TRANSMISSION LINE BETWEEN SUR & AL-AYJAH.
39. CONSTRUCTION PROJECT MANAGEMENT
40. CONTROLLING OF HVAC USING PXM20
41. CONTROLLING THE CENTRAL CRACK IN BILLET CASTING AND CONTROLLING THE DISCOLORISATION IN HOMO FURNACES
42. CONVERSION SOLAR ABSORPTION CHILLER FOR DISPENSARY BUILDING
43. CONVERSION TIME REDUCTION OF CIGARETTE MAKING MACHINE
44. COOLANT FILTER PAPER CONSUMPTION REDUCTION IN MACHINE SHOP
45. CPCB-II EMISSION COMPLIANCE WITH 19 LITER DIESEL MECHANICAL ENGINE.

46. CURTAILING EQUIPMENT'S DOWN TIME BY 20% VIDE ENHANCED PREVENTIVE MAINTENANCE
47. CYCLE TIME REDUCTION OF PANEL BOARD ASSEMBLY
48. DEFECT ELIMINATION & PRODUCTIVITY IMPROVEMENT OF THE DUST COVER PLUG
49. DESIGN & DEVELOPMENT OF PID BASED THERMAL STABILITY EQUIPMENT & RAMPING FURNACE
50. DESIGN & OPTIMIZATION OF DESICCANT DEHUMIDIFIER TO SAVE ENERGY & COST
51. DESIGN & OPTIMIZATION ON SCREEN USED IN PAPER INDUSTRY
52. DESIGN & SURFACE DEVELOPMENT OF CAR'S EXTERIOR
53. DESIGN A CONCEPT FOR IMPLEMENTATION OF PRESSURE INDICATOR FOR INLET FUEL IN 180 HP @ 2500 RPM MECHANICAL ENGINE
54. DESIGN A SYSTEM TO AVOID MARKET COMPLAINT OF THE PRODUCT.
55. DESIGN AND ANALYSIS OF A ROLLER OF A LIME BRIQUETTING MACHINE
56. DESIGN AND BUILT OF DISTRICT COOLING CHILLER PLANT CONSTRUCTION BUILDING AT QATAR
57. DESIGN AND DEVELOPMENT OF AN AUTOMATED PART LOADING AND UNLOADING SYSTEM FOR 400T PRESS
58. DESIGN AND DEVELOPMENT OF COST EFFECTIVE TOGGLE CLAMPING SYSTEM
59. DESIGN AND DEVELOPMENT OF TUBULAR STABILIZER BAR
60. DESIGN AND FABRICATION OF INSPECTION FIXTURE FOR COMPOSITE PARTS
61. DESIGN AND IMPLEMENTATION OF ADVANCE AUTOMATION (DCS) SYSTEM FOR NITROGEN COMPRESSOR.
62. DESIGN AND MANUFACTURE OF ROTARY HYDRAULIC FIXTURE FOR OIL FILTER HOUSING
63. DESIGN AND SELECTION OF FIELD INSTRUMENTS FOR POLYBUTADIENE RUBBER PLANT
64. DESIGN ENGINEERING, PROCUREMENT, INSTALLATION AND COMMISSIONING OF DISTRIBUTED CONTROL SYSTEM & PROGRAMMABLE LOGIC CONTROLLER
65. DESIGN FOR MANUFACTURING AND ASSEMBLY (CAR BUMPER)
66. DESIGN LAYOUT, PROCUREMENT, INSTALLATION OF TEST AND ASSEMBLY FACILITY FOR WELLHEAD AND CHRISTMAS TREE EQUIPMENT
67. DESIGN OF ADVANCED AUTOMATION SYSTEM FOR SINTER PLANT
68. DESIGN OF AUTOMATED PROCESS MONITORING SYSTEM FOR TOBACCO PROCESSING
69. DESIGN OF BOOM BARRIER
70. DESIGN OF DOUBLE INTERLOCK PRE-ACTION VALVE ASSEMBLY
71. DESIGN OF DRUM FOR DOMESTIC FABRIC DRYER
72. DESIGN OF DRY TYPE DISTRIBUTION TRANSFORMER WITH HIGH IMPEDANCE
73. DESIGN OF ENGINE ACCESS ON COMBINE HARVESTER
74. DESIGN OF FIRE AND GAS SYSTEM
75. DESIGN OF GANTRY & LIFT FIXTURE TO SERVICE THE WAFER HANDLER
76. DESIGN OF GAS VERSION FUEL TANK
77. DESIGN OF HIGH EFFECTIVE NEURO FUZZY CONTROL BASED NEGATIVE OUTPUT KY BOOST CONVERTER
78. DESIGN OPTIMIZATION OF PLANT LAYOUT (WELL HEAD PLATFORMS)
79. DESIGN, INSTALLATION, TESTING AND COMMISSIONING OF FIRE PROTECTION SYSTEMS FOR SAUDI ELECTRICITY COMPANY -EOA AL FADHILI 380 KV GAS INSULATED TRANSMISSION SUBSTATION
80. DESIGN, PROJECT ANALYSIS, PROCUREMENT, INSTALLATION AND COMMISSIONING FOR FUEL HYDRANT SYSTEM.
81. DESIGNING & IMPLEMENTING NEW PROTECTION PHILOSOPHY OF A 400KV LINE FEEDER AT TRANSMISSION SYSTEM IN DUBAI ELECTRICITY & WATER AUTHORITY
82. DESIGNING & PROCUREMENT TOXIC H₂S GAS DETECTORS IN OIL FIELD
83. DESIGNING OF CHAINLESS DRIVE BICYCLE
84. DESIGNING OF FIXED INERT GAS (IG-55) FIRE EXTINGUISHING SYSTEM
85. DESIGN AND DEVELOPMENT OF PLC BASED TYRE INFLATOR MACHINE FOR ASSEMBLY SHOP.
86. DETAIL ENGINEERING OF ASSOCIATED HYDROCARBON GAS COMPRESSOR STATION
87. DETAILED FEASIBILITY REPORT FOR CITY GAS DISTRIBUTION PROJECT IN PUNE DISTRICT GEOGRAPHICAL AREA (TECHNICAL PART)
88. DEVELOPING COMPREHENSIVE AND COST EFFECTIVE LOGISTICS AND SUPPLY CHAIN SUPPORT FOR MOVEMENT OF CONSTRUCTION MATERIALS AND HEAVY EQUIPMENT'S IN HILLY TERRAIN
89. DEVELOPMENT OF CNC PROGRAM, MACHINE TOOLS AND MANUFACTURING OF 91MW (NEW DESIGN) TG ROTOR FOR RIL DAHEJ & HAZIRA PROJECTS.
90. DEVELOPMENT OF CRA (CORROSION RESISTANCE ALLOY) LINED HYDROFORMED LINE PIPES FOR OIL AND GAS APPLICATION
91. DEVELOPMENT OF CUSTOM-MADE VIBRATION TEST RIG FOR SCR SYSTEM COMPONENTS
92. DEVELOPMENT OF DEFECT MANAGEMENT SYSTEM IN HALDIA ENERGY LIMITED
93. DEVELOPMENT OF SILICON CARBIDE POWDER FOR DIESEL PARTICULATE FILTERS(DPF)
94. DEVELOPMENT OF SOLAR POWER PLANT

95. DIFFERENTIAL PROTECTION FOR ARBITRARY THREE PHASE TRANSFORMERS PHASE POWER TRANSFORMERS
96. DIFFERENTIAL PROTECTION FOR TRANSFORMERS
97. DMS INTEGRATION OF MEDIUM VOLTAGE DISTRIBUTION SUBSTATIONS IN AL FALAH COMMUNITY VILLAGES TO ADWEA-ADDC CONTROL CENTER, ABU DHABI.
98. DOUBLE INDEXING SYNCHRONIZER – TO AMPLIFY THE SYNCHRONIZER CAPACITY
99. DOWN TIME REDUCTION THROUGH RELIABILITY CENTERED MAINTENANCE
100. EARTH CONTROL MEASURES IN CONSTRUCTION OPERATIONS OF MAJOR PETROCHEMICAL PLANT
101. EFFECTIVE FEEDING FREQUENCY AND JOB ALLOCATION
102. EFFICIENCY ENHANCEMENT OF BRASS INSERT PRESSING MACHINE
103. EFFICIENCY IMPROVEMENT IN MULTI-EFFECT DISTILLATION (DESALINATION PLANT)
104. ELECTRIC PROGRAM (VEP) ERROR IMPROVEMENT
105. ELECTRICAL AND ELECTRONIC TECHNOLOGY
106. ELECTRICAL ENERGY CONSERVATION PRACTICES IN CEMENT PLANT
107. ELECTRICAL STAMPING COMPONENTS MANUFACTURING ORGANIZATION
108. ELECTRICAL SUBSTATION POWER UPGRADATION
109. ELECTRICAL SYSTEM IN IMPORT, STORAGE AND DISTRIBUTION FACILITY OF FUELS (DIESEL)
110. ELECTRO MAGNETIC CHIP COLLECTING MACHINE
111. ELECTROMECHANICAL ENGINEERING TECHNOLOGY FOR PETROLEUM INSTITUTE RESEARCH CENTER
112. ELIMINATE CRACK IN (ALUMINUM)ENGINE CASE COVER
113. ELIMINATE REPEAT CUSTOMER COMPLAINTS
114. ELIMINATING LEAK DEFECT IN TRACTOR
115. ELIMINATION OF 3RD PANE OF GLASS IN FREESTANDING OVEN DOORS (PRODUCT DEVELOPMENT)
116. ELIMINATION OF ENGINE OVERHEATING OF WHEEL LOADER MACHINE(MODEL: TWL 3036)
117. ELIMINATION OF LANCE CHOKING IN BLAST FURNACE
118. ELIMINATION OF LEAKAGE IN HYDRAULIC TANKS
119. EMBEDDED SECURED HOME AUTOMATION SYSTEM
120. ENERGY AUDIT AND ENERGY SAVINGS IN POWER PLANT
121. ENERGY CONSERVATION AT 132 KV SUB - STATION, KOTDWAR
122. ENERGY CONSERVATION IN CEMENT INDUSTRY
123. ENERGY CONSERVATION IN OFFICE BUILDING
124. ENERGY CONSERVATION SYSTEMS (TO EXECUTE THE POWER SAVING METHODS WITHOUT AFFECTING PLANT OPERATIONS)
125. ENERGY CONSUMPTION REDUCTION FROM STREET LIGHTS OF DCP PLANT
126. ENERGY EFFICIENT AIR-CONDITIONING SYSTEM DESIGN FOR SCHOOL BUILDINGS
127. ENERGY EFFICIENT HVAC SYSTEM DESIGN FOR COMMERCIAL BUILDING
128. ENERGY MANAGEMENT (ELECTRICAL MONITORING AND CONTROL SYSTEM)
129. ENERGY MANAGEMENT AT DISTRIBUTION NETWORK
130. ENERGY MANAGEMENT IN HYDEL PROJECTS
131. ENERGY MANAGEMENT OF COMPRESSOR
132. ENERGY MANAGEMENT SOLUTIONS FOR INDIAN RAILWAYS
133. ENERGY MANAGEMENT, HARMONIC MITIGATION AT MACLEOD PHARMACEUTICALS LTD
134. ENERGY SAVER FOR COMPRESSED AIR SYSTEM
135. ENERGY SAVING BY AUTOMATION OF 132KW COOLING TOWER PUMP
136. ENERGY SAVING DEVICE FOR AIR CONDITIONING (SPLIT UNITS)
137. ENGINEERING SOFTWARE LICENSE REQUISITION, USAGE MONITORING AND MANAGEMENT SYSTEM.
138. ENHANCE CUSTOMER RETENTION AT OEM (HONDA) AUTHORIZED DEALERSHIP
139. ENHANCEMENT OF GAS TURBINE PERFORMANCE BY IMPROVING INLET AIR COOLING SYSTEM.
140. ENHANCEMENT OF PRODUCTION & HIGHER QUALITY OUTPUT OF CATHETER BAG
141. ENHANCING PROJECT MANAGEMENT CAPABILITY WITH ASSISTANCE OF PMO
142. ENSURING UNINTERRUPTABLE POWER SUPPLY OF FACTORY WITH 1.6 MW CAPTIVE NATURAL GAS POWERED GENERATOR :
143. ENVIRONMENTAL POLLUTION CONTROL
144. ENVIRONMENTAL STUDY & IMPLEMENTATION OF AIR PURIFICATION SYSTEM AT MOBILE SWITCHING CENTERS
145. ESTABLISH QUALITY MANAGEMENT SYSTEM IN QUALITY DEPARTMENT
146. EXHAUST MODIFICATION AND COST SAVING FOR DNS FC3100 IN SEMICONDUCTOR INDUSTRY
147. EXPERIMENTAL ANALYSIS OF LASER DRILLING OF SILICON CARBIDE CERAMIC
148. FACTORY FLOW DESIGN AND ANALYSIS THROUGH SIMULATION STUDY FOR A PROPOSED FMCG PLANT

149. FAILURE ANALYSIS OF DRIFTER IN ATLASCOPCO DRILL RIG
150. FEASIBILITY STUDY ON DISTRICT COOLING PLANT HEAT EXCHANGERS WITH BTU METERING SYSTEMS
151. FEASIBILITY STUDY ON VARIABLE REFRIGERANT FLOW SYSTEMS
152. FLUID INDUCED INSTABILITY IN MULTISTAGE ETHYLENE FEED PUMP
153. GAS TURBINE PERFORMANCE ENHANCEMENT WITH OFFLINE COMPRESSOR WASHING
154. GEAR QUALITY IMPROVEMENT IN SINTERED OIL PUMP GEARS BY OPTIMIZING THE PROCESS PARAMETERS
155. GRAVITY CONVEYOR WITH COUNTER WEIGHT MECHANISM IN ASSEMBLY LINE BY WASTE ELIMINATION IN LEAN MANUFACTURING
156. GREEN BUILDING AND HVAC (HEATING, VENTILATION AND AIR-CONDITIONING): PUBLIC AWARENESS
157. GREY WATER RECYCLING PLANT FOR RESIDENTIAL BUILDING
158. GRID DISTRIBUTION CONTROL ACCORDING TO LOAD
159. GUIDELINES FOR SITE PERSONNEL(BEHAVIOUR BASED SAFETY)
160. HRSTATUTORY POINT FOR LABOR ACT
161. HUMAN ACTION RECOGNITION USING ARTIFICIAL NEURAL NETWORK
162. HVAC ENGINEERING AUTOMATION FOR OFFSHORE /ONSHORE ELECTRICAL BUILDING
163. HVAC SYSTEM WITH A FREE COOLING CONCEPT FOR AN OFFICE
164. IDENTIFYING CORROSION LOOPS & CORROSION CONTROL/MONITORING METHODS FOR GAS OIL SEPARATION PLANT
165. IMPLEMENTATION A CONCEPT CASCADED FORM OF BSC RING-TOPOLOGY ON TELECOM NETWORK & REDUCTION OF BAND-WIDTH UTILIZATION OF ABIS TX MEDIA.
166. IMPLEMENTATION OF LEAN MANUFACTURING AND SINGLE PIECE FLOW IN HUB ASSEMBLY LINE
167. IMPLEMENTATION OF LOW IMPEDANCE BUS BAR PROTECTION IN DUBAI ELECTRICITY WATER AUTHORITY LIVE SUBSTATION TO IMPROVE THE SYSTEM STABILITY
168. IMPLEMENTATION OF NEW 400 KV SERIES REACTOR IN BETWEEN INTERCONNECTING POWER GENERATING STATION
169. IMPLEMENTATION OF PROJECT MANAGEMENT IN "DESIGN, CONSTRUCTION, SUPPLY, INSTALLATION, TESTING & COMMISSIONING OF 55MGD INTAKE WORKS & 1500 MM DIA MS TWIN MAINS UP TO 11.50 KM CHAINAGE INCLUDING 1 YEAR DLP & 5 YEAR O&M (PACKAGE – I A)."
170. IMPLEMENTATION OF QUALITY MANAGEMENT CONCEPTS IN CONSTRUCTION SITE FOR ELECTRO MECHANICAL WORKS
171. IMPLEMENTATION OF SMED IN DIE CASTING SHOP
172. IMPLEMENTATION OF TANDEM SUBMERGED ARC WELDING (SAW) TECHNOLOGY
173. IMPLEMENTATION OF TOTAL PRODUCTIVE MAINTENANCE (TPM) CONCEPT IN THE PROJECT TYPE BUSINESS INDUSTRY.
174. IMPLEMENTING ENERGY EFFICIENCY FOR PYRO PROCESSING IN CEMENT INDUSTRY
175. IMPROVE IN INVENTORY CONTROL
176. IMPROVE MAINTENANCE RELIABLY AND SAFETY IN PUBLIC ADDRESS SYSTEM MAINTENANCE
IMPROVE MAINTENANCE RELIABILITY AND SAFETY IN PUBLIC ADDRESS SYSTEM
177. IMPROVE PRODUCTIVITY IN POWDER COATING PRETREATMENT PROCESS
178. IMPROVE THE CUSTOMER COMPLAINTS RESOLUTION
179. IMPROVE THE FUNCTIONALITY AND RELIABILITY OF I-LEVEL TEST BENCH USED TO TEST SOLID STATE FLIGHT DATA RECORDER (SSFDR) FOR FIGHTER AIRCRAFT.
180. IMPROVE VENDING MACHINE PRODUCTIVITY BY AUTOMIZING TESTING LAB PROCESSES
181. IMPROVEMENT IN ACCELEROMETER TEST BENCH, USED FOR TESTING OF ACCELEROMETER,BY MANAGING OBSOLESCENCE AND OTHER MAINTENANCE RELATED ISSUES.
182. IMPROVEMENT OF DESIGN PROCESS (QUALITY AND ON TIME DELIVERY)
183. IMPROVING COOLING EFFICIENCY ON FURNACE HYDRAULICS
184. IMPROVING PRODUCTIVITY AND QUALITY BY IMPLEMENTING LOW COST AUTOMATION IN ONE OF THE WIND MILL PROJECT - WWIL (WORLD WIND INDIA LTD)
185. IMPROVING PRODUCTIVITY AND QUALITY BY IMPLEMENTING WELDING AUTOMATION, KAIZENS & ONE POINT LESSONS IN MAL CONTAINER PROJECT.
186. IMPROVING RESPONSIVENESS TO POST OFF- TRACK PROCESS OF "DOST LCV" VEHICLE BY VALUE STREAM MAPPING ACTIVITIES
187. IMPROVING SAFETY STANDARD IN EXCAVATOR MAINTENANCE BY REDUCING MAN MACHINE INTERFACE.
188. IMPROVING THE CURRENT QUALITY LEVEL OF THE CAB IN BOTH PROCESS AND TRIM FITMENT LEVEL
189. IMPROVING THROUGHPUT AND PROCESSES BY IMPLEMENTING VALUE STREAM MAPPING (VSM) IN INOX PROJECT
190. INCREASE OF LIFE SPAN THRU RETROFITTING – MEDIUM VOLTAGE SWITCHGEAR (UPTO 36KV)
191. INCREASE PRODUCTION IN FORK FINAL ASSEMBLY

192. INCREASE THE DESALINATION PRODUCTION THROUGH WEIR ORIFICE MODIFICATION
193. INCREASE THE PRODUCTIVITY & QUALITY FOR AGRO VESSELS
194. INCREASING THE INTERNAL KQI OF UAE-COMMERCIAL DEPARTMENT
195. INCREASING THE PAINT ADHESIVENESS & ELIMINATION OF PAINT PEEL-OFF ISSUE BY DESIGN OF EXPERIMENTS (DOE) APPROACH
196. INSTALLATION & COMMISSIONING OF SHOT BLASTING MACHINE
197. INSTALLATION AND COMMISSIONING OF 12 SPINDLE GANTRY TYPE CNC DRILLING MACHINE
198. INSTALLATION AND COMMISSIONING OF LNG FLOW METERING SYSTEM FOR QATARGAS
199. INSTALLATION OF ELECTRONIC SAFETY DEVICES FOR MOBILE EQUIPMENTS
200. INSTALLATION OF FAN COIL UNIT
201. INSTALLATION OF NEW TIE-IN ON LIVE LINE BY HOT TAPPING METHOD FOR STEADY PRODUCT SUPPLY
202. INSTRUMENTATION CONTROL SYSTEM
203. INTELLIGENT FAULT DETECTION & SUPERVISORY CONTROL FOR SOLAR POWER PLANT.
204. INTELLIGENT MOTOR CONTROL CENTRE WITH AUTOMATION
205. INTRODUCTION OF STRUCTURAL RAMP REPLACING CONCRETE RAMP (RECOMENDED BY OEM)
206. INVENTORY CONTROL BY IMPLEMENTING JUST- IN- TIME (JIT) SYSTEM FOR KIOSK PRODUCTION
207. ISOLATION UNIT FOR POWER SUPPLY APPLICATION
208. JIT IMPLEMENTATION IN 3WHEELER VEHICLE UNIT STORES
209. JIT METHODOLOGY FOR SYSTEM INTEGRATION OF AMBIENT AIR QUALITY & CONTINUOUS EMISSION MONITORING SYSTEMS
210. K2 POWER MODULES (400V DC-DC CONVERTER AND 24V PWM)
211. LEAN MANUFACTURING
212. LIFE SAFETY FIRE SPRINKLER AND FIRE FIGHTING SYSTEM IN THE RESIDENTIAL/COMMERCIAL BUILDING
213. LIGHTNING INDUCED TRANSIENT PULSE GENERATOR
214. LOAD FLOW ANALYSIS FOR ELECTRICAL POWER SYSTEM
215. LOGISTICS AND SUPPLY CHAIN MANAGEMENT
216. LPG CHILLING, STORAGE AND LOADING UNIT
217. MACHINE SHOP PRODUCTION PLANNING
218. MAINTENANCE AND RELIABILITY IMPROVEMENT OF ELECTRICAL EQUIPMENTS IN PETROLEUM REFINERY
219. MAINTENANCE EFFECTIVENESS AUDIT & INVENTORY CONTROL
220. MAINTENANCE OF STATIC EQUIPMENTS & INDUSTRIAL SAFETY
221. MAJOR CHALLENGES IN THE INVENTORY ACCOUNTING OF LARGE INFRA PROJECTS OF GODREJ COMPANY
222. MANUFACTURING STATUS SHEET
223. MATERIAL OPTIMIZATION - REUSING OF SCRAP MATERIAL
224. MATERIAL OVER CONSUMPTION REDUCTION IN CABLE MANUFACTURING USING SIX-SIGMA TECHNIQUE
225. MATERIALS STANDARDIZATION
226. MECHANICAL PROPERTIES OF MATERIALS USED IN DIFFERENT RAPID PROTOTYPING TECHNOLOGIES
227. MECHATRONICS FOR TEST EQUIPMENT
228. MEMORY PEEK AND POKE OF AIR DATA COMPUTER
229. MIGRATION OF LEGACY DESIGN – COMPLIANCE WITH LATEST TECHNOLOGY
230. MINI ROBOT CONTROL USING MOBILE
231. MINIMUM STOCK RE-ORDER LEVEL AND PROCESS IMPROVEMENT
232. MODIFICATION OF LUBE OIL PUMP INTERNALS TO ACHIEVE REQUIRED FLOW RATE
233. MONITORING OF CARBON MONOXIDE(CO) EMISSIONS IN UNDERGROUND CAR PARKING AREA AND CONTROLLING BY USING ENERGY EFFICIENT VENTILATION SYSTEM.
234. MULTI ANGLE PHASE SHIFT MODULATION TECHNIQUE FOR BI-DIRECTIONAL DC-DC CONVERTER
235. NEW KHOR FAKKAN 132/33KV GIS SUBSTATION
236. NEW OFFICE BUILDING FOR HEXA OIL & GAS
237. NEW OPPORTUNITY - SPECIAL APPLICATION TRUCK
238. NEW PRODUCT DEVELOPMENT - HEAT ACTIVATED FILM
239. NEW PRODUCT DEVELOPMENT OF FRONT RUN UNDER DEVICE PROTECTION FOR HCV AS PER CMVR NORMS
240. NEW PRODUCT DEVELOPMENT OF NEW BAJAJ PLATINA (COMPLETE CHASSIS & EXHAUST SYSTEM) & FINALIZE TOOLING, R/GAUGES, PLANNING OF RM, ROBOTIC FIXTURE CONCEPT FINALIZATION WITH CROSS FUNCTIONAL APPROACH.
241. NITROGEN PLANT - CONTROL SYSTEM DESIGN, INTEGRATION AND TESTING

242. NOISE ISSUE ANALYSIS ON THE AUTOMOTIVE ALTERNATOR
243. OFFLINE CUTTING MACHINE FOR SMALL SIZES
244. ONSHORE - OIL WELL MANIFOLD MODULARIZATION
245. OPTIMIZATION OF ENGINE CONFIGURATION
246. OPTIMIZATION OF HEATING / COOLING LOAD CALCULATION USING BUILDING INFORMATION MODELING (BIM)
247. OPTIMIZATION OF NEW TECHNOLOGY FOR GSM NETWORK
248. OPTIMIZATION OF OVER BREAKS AND UNDERCUTS IN DRILL BLAST METHOD OF TUNNEL CONSTRUCTION.
249. OPTIMIZATION OF PROGRAM LOGIC & HMI DEVELOPMENT TECHNIQUES USING MODULAR PROGRAMMING
250. OPTIMIZATION OF THE HIGH PRESSURE STEAM CONSUMPTION IN NAPHTHA HYDRO TREATING STRIPPER COLUMN
251. OPTIMIZATION OF TRIM SUCTION BOX
252. OPTIMIZE THE PROCESS PARAMETER IN UJ ASSEMBLY M/C TO ELIMINATE AXIAL PLAY
253. ORGANISATIONAL STUDY ON THE IMPROVEMENT OF MARKET SHARE OF ATLAS COPCO CONSTRUCTION TOOLS
254. OVERALL PERFORMANCE IMPROVEMENT OF COAL HANDLING PLANT.
255. PANORIYA LIFT CANAL 11KV SUBSTATION
256. PART NUMBERING SYSTEM AUTOMATION
257. PARTIAL DISCHARGE DETECTION/MONITORING IN GAS INSULATED SWITCH GEAR
258. PERFORMANCE ANALYSIS AND ENERGY CONSUMPTION MONITORING OF DOMESTIC REFRIGERATOR.
259. PERFORMANCE AND FAILURE ANALYSIS OF PRESSURE VESSELS
260. PFC EMISSIONS MEASUREMENT
261. PHASED ARRAY ULTRASONIC TESTING (PAUT) IN LIEU OF RADIOGRAPHY
262. PIPING DESIGN AND LAYOUT-COMPRESSORS
263. PLASTIC MATERIAL SELECTION PROCESS FOR HAZARDOUS AND NON HAZARDOUS LOCATION IN NEW PRODUCT DEVELOPMENT
264. POWER PLANT INSTRUMENTATION AND AUTOMATION
265. POWER PROJECT EFFECTIVE SELECTION OF INSTRUMENTATION AND CONTROL SYSTEMS
266. POWER TRAIN INTEGRATION AND FRAME DESIGN & DEVELOPMENT OF KAMAZ 25 TON TIPPER.
267. PRE-PAYMENT ENERGY METERING SYSTEM
268. PROCESS CONTROL - COST SAVING BY ELIMINATION OF SUB-CONTRACT OPERATION
269. PROCESS IMPROVEMENT IN FUEL INJECTION PUMP DELIVERY LINE MARKING
270. PROCESS INNOVATION
271. PROCESS INNOVATION IN TRANSMISSION MACHINING LINE TO REDUCE PRODUCTION COST
272. PROCESS MODIFICATION OF PACKAGING SYSTEM
273. PROCESS OPTIMIZATION OF 7C6948 FLYWHEEL HOUSING MACHINING TO MEET THE CUSTOMER DEMAND
274. PRODUCT DESIGN : AUTO A/C PANEL
275. PRODUCT DESIGN AND DEVELOPMENT OF RUGGED BAR CODE SCANNING DEVICE FOR THE CONDENSING ENVIRONMENT
276. PRODUCTION BOTTLENECK OPTIMIZATION IN SPECIAL CABLES UNIT
277. PRODUCTION MONITORING SYSTEM FOR FABRICATION SHOP
278. PRODUCTION PLANNING AND CONTROL
279. PRODUCTIVITY IMPROVEMENT
280. PRODUCTIVITY IMPROVEMENT IN 320D PRESSURE DIE CASTING MACHINE
281. PRODUCTIVITY IMPROVEMENT IN DOST DOOR SUB ASSEMBLY
282. PRODUCTIVITY INCREASE THROUGH QUALITY IMPROVEMENTS
283. PROJECT MANAGEMENT
284. PROJECT MANAGEMENT & PROJECT CONTROL
285. PROJECT MANAGEMENT AT 132KV UNDERGROUND TRANSMISSION LINE FOR WBSETCL, KOLKATA
286. PROJECT MANAGEMENT AT 170MTPA BOF PLANT FOR ANGUL, ODIHSA
287. PROJECT MANAGEMENT AT 230/110KV GIS SUB -STATION AT GUINDY, CHENNAI, TAMILNADU.
288. PROJECT MANAGEMENT AT 3X30MW CPP & 1.5 MTA ALUMINA REFINERY PROJECT, TIKIRI RAYAGADA, ODISHA
289. PROJECT MANAGEMENT AT ELECTRICAL PACKAGE FOR HOT STRIP MILL (HSM)PROJECT AT TATA STEEL KALINGANAGAR
290. PROJECT MANAGEMENT FOR 132 KV SUBSTATIONS AT TAJPUR & KHEWRA IN SONEPAT DIST OF HARYANA
291. PROJECT MANAGEMENT FOR 400KV GIS AT BTPS, BOKARO THERMAL

292. PROJECT MANAGEMENT FOR A CONSULTANCY ORGANIZATION OF BUILDING CONSTRUCTION INDUSTRY
293. PROJECT MANAGEMENT FOR PROCUREMENT, FABRICATION, ERECTION, COMMISSIONING & START-UP OF RUWAI REFINERY EXPANSION PROJECT
294. PROJECT MANAGEMENT IN "DESIGN, CONSTRUCTION, SUPPLY, LAYING & JOINTING, TESTING AND COMMISSIONING OF MS CLEAR WATER MAINS FROM THE 50 MGD WTP TO VARIOUS SUB-CITY OF DWARKA, NAJAFGARH, DAULATPUR, UJWA & IGI AIRPORT NEW DELHI."
295. PROJECT MANAGEMENT IN CONSTRUCTION OF PET & PTA UNITS FOR RELIANCE INDUSTRIES LIMITED AT DAHEJ-GUJARAT
296. PROJECT MANAGEMENT IN ENGINEERING, PROCUREMENT, CONSTRUCTION, TESTING, COMMISSIONING & PG TEST OF COAL HANDLING PLANT PACKAGE FOR UPRVUNL, ANPARA THERMAL POWER PROJECT, STAGE 'D' - 2X500 MW
297. PROJECT MANAGEMENT OF ELECTRICAL WORKS OF 2X204 SQM. SINTER PLANT AT SAIL-IISCO STEEL PLANT.
298. PROJECT MANAGEMENT ON ERECTION, TESTING AND COMMISSIONING OF COKE DRY QUENCHING PLANT
299. PROJECT MANAGEMENT ON ERECTION, TESTING AND COMMISSIONING OF WASTE HEAT RECOVERY BOILER FOR CDQ PLANT.
300. PROJECT MANAGEMENT PLANNING AND CONTROL (EPCC PROJECT IN EXECUTION PHASE)
301. PROJECT ON PROJECT MANAGEMENT ON DESIGN, PROCUREMENT AND MANUFACTURE OF HYDRAULIC PRESS
302. PROJECT REPORT ON PURCHASE PROCEDURE & SYSTEMS FOR MEGA CONSTRUCTION PROJECTS
303. PROJECT RISK MANAGEMENT FOR 765KV SUBSTATION EXTENSION PROJECT BY PGCIL AT JABALPUR
304. PROJECT WORK AT 132/33KV SS, PATNA
305. PROPOSAL OF ALUMINUM COATING ON SEA SIDE BRIDGE ACROSS THE INTAKE CHANNEL BY THERMAL SPRAY ALUMINUM.
306. PUMP LAYOUT OPTIMIZATION SAVES STRUCTURAL STEEL
307. QUALITY AND SAFETY IN MAINTENANCE
308. QUALITY CONTROL INSPECTION TEST PLAN FOR DHL LOGISTIC CENTRE ELECTROMECHANICAL PROJECT WORK
309. QUALITY IMPROVEMENT AT ELECTRIC POWER ASSIST MODULE (EPAM) PRODUCTION LINE
310. QUALITY IMPROVEMENT IN DOST DOOR OUTER LH/RH & COST REDUCTION DUE TO REWORK
311. QUALITY IMPROVEMENT OF PIPE SUPPORT ENGINEERING OFFSHORE PROJECT
312. QUALITY IMPROVEMENT: DUE TO BAD SURFACE FINISH THE FINISHED PRODUCT LOOKS OLD.
313. QUALITY MANAGEMENT SYSTEM IN CONSTRUCTION INDUSTRY
314. QUICK CHANGE OVER CONCEPTS OF MOTHER MOLD AND PLATES FOR NEW RUBBER INJECTION MOLDING MACHINE. GERMAN IMPORTED MACHINE)
315. REDESIGN AND COST SAVING FOR DOUBLE JOINT
316. REDESIGN OF FORGED CHECK VALVE FOR HIGH PRODUCTIVITY
317. REDESIGN OF THE NEW PRODUCT INTRODUCTION PROCESS AT TATA CUMMINS LIMITED TO ENSURE AN IMPROVED PRODUCT FOR ALL UPCOMING NEW PROJECTS
318. REDESIGN OF TURBO EXPANDER WITH CONTROL SYSTEM UPGRADE TO MAXIMIZE NGL RECOVERY
319. REDUCE INTERNAL REJECTION IN FRONT FORK OUTER TUBE CELL
320. REDUCE INTERNAL REJECTIONS IN CR CHECK VALVE
321. REDUCE INVENTORY IN REAR AXLE ASSEMBLY
322. REDUCE REJECTIONS IN "A PILLAR COVER"
323. REDUCE RISK SCORE BY 20% WITH MACHINE GUARDING IMPROVEMENT WITHOUT AFFECTING THE MACHINE CYCLE TIMES
324. REDUCE SPECIFIC ENERGY CONSUMPTION OF SACL-ORAGADAM PLANT
325. REDUCE WORK ROLL CHANGE TIME OF 4 HI SKIN PASS MILL
326. REDUCING MAINTENANCE COSTS & IMPROVING EQUIPMENT UPTIME AT CASTHOUSE – RAM STATIONS.
327. REDUCING MEAN TIME TO REPAIR IN GAUGING MACHINE
328. REDUCING OIB SUB ASSEMBLY REJECTION IN CELL1
329. REDUCING THE CUSTOMER PPM IN OIL SUMP BY MANUFACTURING PROCESS IMPROVEMENT
330. REDUCTION IN MTTR FOR MAN NETWORKS IN KOLKATA. (MTTR: MEAN TIME TO RESTORE).
331. REDUCTION IN OEM DEFECTS OF ALL TURBO & CORES SUPPLIED FROM PTP BY 80% WITHOUT AFFECTING DELIVERY
332. REDUCTION IN REJECTION RATE FOR THE HUB PLATE OF EURO-6 ENGINE
333. REDUCTION OF HEAT TINT DURING WELDING OF AUSTENITIC STAINLESS STEEL
334. REDUCTION OF LCD SCRAP IN MOBILE ASSEMBLY
335. REDUCTION OF OPEN CALL THROUGH SIX SIGMA

336. REDUCTION OF PROCESS TIME AND EFFECTIVE MATERIAL SHORTAGE
337. REFURBISHMENT AND IMPROVEMENT OF 11 KV POWER SYSTEM AT BAIT AL BARAKAH, SULTANATE OF OMAN
338. REHABILITATION OF 500 KV HVDV INGA- KOLWEZI LINE.
339. RELIABILITY IMPROVEMENT IN AIR PLANT INSTRUMENTS
340. RELIABILITY IMPROVEMENT OF ETHYLENE PRODUCT PUMP
341. REMOTE DIAGNOSIS SERVICE IMPLEMENTATION IN IMPORTED NTC KOMATSU MACHINE WITH FANUC CONTROL
342. REQUIREMENTS MANAGEMENT FOR NEW PRODUCT DEVELOPMENT
343. RESOLUTION OF CUSTOMER COMPLAINT OF HYDRAULIC PUMP IN EX70 HYDRAULIC EXCAVATOR
344. RESOLVING CENTER DEFECT ISSUE IN LAM-KIYO TOOL
345. RFID BASED VEHICLE TRACING FOR INTELLIGENT TRANSPORT SYSTEM
346. RISK IDENTIFICATION, ASSESSMENT AND RESPONSE AT KAKRAPAR ATOMIC POWER PROJECT-3&4
347. ROTATING MACHINERY VIBRATION MEASUREMENT, MONITORING AND ANALYSIS
348. RRRH ROBOT ROLLER HEMMING CELL FOR DOOR AND LID OF THE PRIMA TRUCK CAB
349. SAFE DESIGN FOR OPERATION & MAINTENANCE OF MINERAL PROCESSING AND BULK MATERIAL HANDLING EQUIPMENTS – AN ANALYSIS OF STANDARDS & REQUIREMENTS VS ACTUAL DESIGN
350. SAFETY IMPROVEMENTS IN OLD GENERATION PICK & CARRY HYDRA CRANES WITH REASONABLE COST CONTROL
351. SAFETY MANAGEMENT IN CONSTRUCTION EQUIPMENTS
352. SCRAP COST REDUCTION / FIRST TIME QUALITY IMPROVEMENT IN CAGE (OUTER DIAMETER & INTERNAL DIAMETER) GRINDING OPERATION (CELL - ZONE 4)
353. SCRAP COST REDUCTION / FIRST TIME QUALITY IMPROVEMENT IN TRIPOT GRINDING CELL
354. SERVICE PROCESS IMPROVEMENTS AT DEALERSHIP
355. SEWAGE TREATMENT PROCESS AUTOMATION(PLC AND SCADA CONTROL)
356. SHAFT WHEEL SCRAP COST REDUCTION BY IMPROVING MANUFACTURING PROCESS QUALITY IMPROVEMENT.” (TECHNICAL PART)
357. SIMULATION, PROCESS DEVELOPMENT AND DIE DESIGN FOR REAR FLOOR MIDDLE PANEL
358. SIMULTANEOUS VOLTAGE SAG/SWELL AND LOAD REACTIVE POWER COMPENSATIONS UTILIZING SERVICE INVERTER OF UPQC
359. SOLAR ENERGY MANAGEMENT
360. SOLAR THERMAL TECHNOLOGY & IT’S UTILIZATION
361. STANDARDIZE NPI COGS CALCULATION
362. STREAMLINING OF LOW VOLTAGE PANELS DESIGN
363. STRESS ANALYSIS OF FLARE PIPING
364. STRUCTURAL ANALYSIS AND COST OPTIMIZATION OF COUNTER WEIGHT GUIDE RAIL SYSTEMS OF ELEVATORS.
365. STUDY FOR ENHANCEMENT OF THE PRODUCT QUALITY IN OIL & GAS PROCESS EQUIPMENT MANUFACTURING UNIT.
366. STUDY FOR IMPROVEMENT OF BACKUP POWER AT MUSCAT INTERNATIONAL AIRPORT
367. STUDY FOR REDUCTION OF WASTE AND CONSERVATION OF NATURAL RESOURCES IN PETROLEUM PROCESS EQUIPMENT MANUFACTURING INDUSTRY
368. STUDY OF AIRBORNE WIND TURBINE
369. STUDY OF DYNAMIC UNDERBALANCED
370. STUDY OF ELECTRICAL ENERGY SAVING POTENTIAL IN BIECCO LAWRIE LIMITED
371. STUDY ON IMPLEMENTATION OF ENVIRONMENTAL MANAGEMENT SYATEM AT UNITED ENGINEERING SERVICES LLC OMAN
372. SUPER CRITICAL STEAM GENERATOR ERECTION TIME ANALYSIS
373. SUPPLY CHAIN MANAGEMENT - FOCUS ON INVENTORY
374. SUPPLY, INSTALLATION, TESTING & COMMISSIONING 220 KV CURRENT LIMITING SERIES REACTORS AT EMAL
375. SUSTAINABLE MEP SYSTEMS FOR COMMERCIAL BUILDING
376. SWIMMING POOL DEHUMIDIFIER AND AIR CONDITIONING
377. SWITCH GEAR SELECTION AND PROTECTION CALCULATION FOR 1000KVA, 400V, 50HZ,3PH,DIESEL GENERATOR SET
378. SYSTEM MODELING APPROACH FOR CATHODE BUSBAR MANUFACTURING
379. TEAM CENTER CHANGE WORKFLOW (LEAN DMAIC – GREEN BELT)
380. TECHNOLOGICAL IMPROVEMENT DONE IN DEVELOPING PLASTIC PARTS - AUTOMOTIVE SECTOR.
381. TEST AUTOMATION OF A CLOUD FOR DATA MANAGEMENT USING SELENIUM
382. TESTING & COMMISSIONING OF EARTHING TRANSFORMER (11000/400 V, 500 KVA)
383. TESTING AND COMMISSIONING OF NEW 132/11 KV POWER TRANSFORMER
384. TIME STUDY FOR OPTIMUM UTILIZATION OF EXCAVATOR ASSEMBLY LINE

385. TO ELIMINATION OF SEIZURE IN FUEL INJECTION PUMP TITLE: ELIMINATION OF SEIZURE IN FUEL INJECTION PUMP ELIMINATION OF SEIZURE IN FUEL INJECTION PUMP
386. TO ELIMINATE AUTO ADVANCE REJECTIONS IN DI PUMP ASSEMBLY
387. TO IMPROVE PRODUCT RELIABILITY, SERVICEABILITY AND PRODUCTIVITY OF FORKLIFT THROUGH STANDARDIZATION OF FASTENERS
388. TO IMPROVE RELIABILITY OF FORKLIFTS BY INSTALLATION OF TORQUE STATIONS IN LINE ASSEMBLY
389. TO IMPROVE THE RELIABILITY OF OPERATIONAL CRITICAL "METAL TAPPING VEHICLES" IN QATAR ALUMINIUM LIMITED
390. TO INCREASE THE PRODUCTIVITY OF VMC 1200 (CNC MACHINE)
391. TO REDUCE THE POWER COST IN ENGINE TESTING
392. TO REDUCING OVERALL REJECTIONS IN HC CF1 BA PARTS
393. TOOL BREAKAGE REDUCTION IN ANGULAR HOLE DRILLING OPERATIONS IN CYLINDER BLOCK
394. TOOLING MANAGEMENT SYSTEM RFID AT SANDVIK
395. TOOLING SOLUTION FOR CONSTRUCTION PROJECT CUSTOMERS.
396. TOP COVER MOULD OF SPEEDOMETER
397. TOTAL QUALITY MANAGEMENT
398. TREATABILITY OF WASTE WATER IN PESTICIDES INDUSTRIES
399. TRUNNION MOUNTED TWIN BALL VALVE
400. UNIVERSAL SUBSCRIBER INTERFACE CIRCUIT
401. UP GRADATION OF TRANSMISSION OIL FILLING MACHINE
402. VALUE ADDEING VALUE ENGINEERING PROPOSAL IN J420 CHAIN TO REDUCE INTERNAL COSTS WITHOUT COMPROMISING PERFORMANCE
403. VARIABLE FREQUENCY DRIVE INSTALLATION FOR ENERGY SAVING
404. WASTE AND RECYCLED MATERIAL IN CONCRETE DESIGN TECHNOLOGY
405. WASTE HEAT RECOVERY SYSTEM FOR POWER CO-GENERATION (STREAM CYCLE) IN CEMENT PLANT
406. WHEEL DISC MANUFACTURING IN AUTO COMPONENT ORGANIZATION
407. WIRELESS GATEWAY COMMUNICATION ADAPTER
408. WORKFORCE PRODUCTIVITY IMPROVEMENT IN PROJECT CONSTRUCTION AT 4 NOS INDUCED DRAFT COOLING TOWER PACKAGE FOR NTPC LARA PROJECT, CG.
409. XEROX PRINTING SERVER(FIERY) CONTROLLER APPLICATION DEVELOPMENT & TESTING ON CLIENT ENVIRONMENT

B.S. (Information Systems)

410. 3 DATA CENTER, MULTI TARGET, DELTA RESYNC DR SOLUTION
411. A REALISTIC HYPOTHESIS OF DATA MINING IN THE SALES & DISTRIBUTION UNIT OF AN IT INDUSTRY
412. AIR DRIER MONITORING SYSTEM
413. AL MASRAF WAN IPMPLS MIGRATION & IPTELEPHONY INSTALLATION
414. AUTOMATED CLIENT INTERFACE GENERATION
415. BAND USAGE AND CANCELLABLE CONVERSIONS USING MULTI BIOMETRIC BASED SYSTEMS
416. BUILDING AN ONLINE GROCERY,BOOKS AND ELECTRONICS STORE WEBSITE
417. BUSINESS DOCUMENT MANAGEMENT SYSTEM
418. CENTRALIZED LOG MANAGEMENT USING CASSANDRA DATABASE
419. CONSOLIDATION OF DOMAIN CONTROLLERS AND GPO'S
420. CONTINUOUS AVAILABILITY AND DATA MOBILITY ACROSS DATACENTERS
421. COST EFFECTIVE SECURED WIRELESS NETWORK FOR ATM BANKING
422. DATA ANALYZER AND SNIFFER
423. DATA CENTER CONSOLIDATION WITH HA AND DR USING VMWARE VIRTUALIZATION
424. DEMO LAB FOR EMITAC
425. DESIGN AND IMPLEMENTATION OF MEDIATION PLATFORM FOR SOFTX CDRS
426. DESIGN OF IP BASED MULTIMEDIA NETWORK
427. DESIGNING DATA CENTER INTERCONNECTS
428. DEVELOPMENT OF PCB PLANNER
429. DISTRIBUTED COOPERATIVE CACHING IN SOCIAL WIRELESS NETWORKS.
430. ELECTRONIC DATA CAPTURE
431. ELECTRONIC PRE ARRIVAL NOTIFICATION ON SECURITY (EPANS)
432. ENSURING PRIVACY IN THE CLOUD USING PUBLIC AUDITING
433. EXCHANGE 2003 TO EXCHANGE 2010 MIGRATION
434. HARDWARE AUDIT CUM PRODUCTION OPERATIONS DASHBOARD
435. HOTEL RATING SYSTEM FOR MOBILE DEVICES USING WEB SERVICES
436. I/O VIRTUALIZATION

437. IDENTIFICATION OF LAYER -2 NETWORK SECURITY THREATS & IMPLEMENTATION OF COUNTER MEASURES
438. INFORMATION CONCEALMENT
439. INFRASTRUCTURE CONFIGURATION MANAGEMENT USING PUPPET
440. INTEGRATION OF ACCUREV CONFIGURATION MANAGEMENT WITH RATIONAL CLEARQUEST CHANGE MANAGEMENT SYSTEM
441. ISOLATED HANDWRITTEN NUMBER RECOGNITION USING KNN
442. LOCAL REPLICATION & RESTORATION OF ORACLE DATABASE
443. MANAGE MY SCRUM (MMS)
444. MEDICAL WORKFLOW DATA MANAGEMENT
445. MOVING ALL PHYSICAL SERVER TO VMWARE ENVIRONMENT AND COST EFFECTIVE
446. NEAR ZERO DOWNTIME (NZD)
447. SIMULATION AND ANALYSIS OF RTS/CTS DOS ATTACK VARIANTS IN 802.11 NETWORKS
448. SYMANTEC CRITICAL SYSTEM PROTECTION IN UNIX
449. SYSTEM CENTER OPERATIONS MANAGER (SCOM VERSION 2012)
450. TO IDENTIFY STRATEGIC COST EFFECTIVE UNIX OPERATING SYSTEM FOR WEB SPHERE APPLICATION SERVERS.
451. VIRTUAL DESKTOP INFRASTRUCTURE (VDI) – SIMPLIFY DESKTOP MANAGEMENT AND REDUCE COSTS USING OPEN SOURCE KVM (KERNEL VIRTUAL MACHINE) HYPERVISOR.

**LIST OF DISSERTATION SUBMITTED BY STUDENTS UNDER THE WORK INTEGRATED
LEARNING PROGRAMMES IN THE YEAR 2014**

M.S. CONSULTANCY MANAGEMENT

1. A CONSULTANCY SOLUTION TO MUNICIPAL SOLID WASTE MANAGEMENT AS A BUSINESS PLAN
2. A STUDY ON THE IMPACT OF THE LATEST TECHNOLOGY ON SOCIAL CUSTOMER RELATIONSHIP MANAGEMENT
3. A STUDY ON TOTAL QUALITY MANAGEMENT
4. ADVANCED OPTIMIZATION AND ANALYTICS FOR DYNAMIC TURNAROUND MANAGEMENT
5. ANALYSIS ON TECHNOLOGIES AND TECHNIQUES FOR LARGE-SCALE DATA WITH SPECIAL REFERENCE TO BIG DATA
6. ANALYTICS - CUSTOMER DRIVING FACTORS FOR MOBILE PREFERENCE
7. ARCFM IMPLEMENTATION IN ELECTRIC UTILITIES
8. ASSOCIATE COMPETENCY STATUS
9. AUTOMATION AND DISSEMINATION OF PERSONAL RECORDS
10. AUTOMATION AND QUALITY CONTROL SOLUTION IN TESTING
11. BUSINESS ARCHITECTURE AS A PRACTICE
12. BUSINESS STRATEGY TO INTRODUCE TELEMEDICINE SERVICES
13. CHALLENGES OF DEPLOYING ENTERPRISE VOIP SOLUTION IN MEDIUM TO LARGE BUSINESS IN INDIA
14. CLAIMS HIGHWAY
15. CLOUD AS A BUSINESS
16. CLOUD BASED HOSTED CC IN APAC - HOW REAL IS THE OPPORTUNITY
17. COMPETITIVE ANALYSIS OF MARKETING RESEARCH FIRMS WITH A CASE ANALYSIS OF TECHNOLOGIES/METHODS IMPLEMENTED BY RESEARCH FIRMS TO BEAT COMPETITION
18. CONSULTANCY IN MIGRATION OF 3G NETWORK TO 4G NETWORK
19. CONSULTANCY IN ONE TO ONE MARKETING
20. CONSULTANCY IN THE IMPROVEMENT OF THE PROCURE TO PAY PROCESS TO REDUCE THE TICKET COUNT, TIME AND MAKE THE PROCESS MORE EFFICIENT.
21. CONSULTANCY SERVICE TO IMPROVE ITIL PROCESSES IN ZONESCORP
22. CONSULTING PROJECT STRATEGY & POLICY DEVELOPMENT ON AUTOMATED DATA FLOW & MANAGEMENT INFORMATION SYSTEM
23. CONSUMER & TRADE UNDERSTANDING- PRICE, PURCHASE & PROFILE
24. CONSUMER'S PERCEPTION ABOUT DIFFERENT BRANDS OF LUXURY WATCHES.
25. COST BENCHMARKING & ANALYSIS OF LOCAL TRANSPORTATION
26. CRITICAL SUCCESS FACTORS IN THE EXECUTION OF THERMAL POWER PLANT PROJECTS IN A LEADING EPC (ENGINEERING PROCUREMENT CONSTRUCTION) ORGANISATION
27. CROSS CULTURAL TRAINING IN IT CONSULTING
28. CUSTOMER CONNECT PROJECT FOR SAP SRM
29. CUSTOMER EXPECTATIONS FROM THE NETWORK SOCIETY & CHALLENGES TO BE ADDRESSED BY TELECOMMUNICATION OPERATORS & VENDORS.
30. CUSTOMER PREFERENCE ON MOBILE HANDSETS AND CHALLENGES FACED BY THE MANUFACTURERS
31. DEVELOPMENT OF A MODEL FOR LIFE CYCLE MANAGEMENT OF ACQUIRED SYSTEMS USING PRINCIPLES AND TECHNIQUES OF SYSTEMS ENGINEERING
32. DEVELOPMENT OF KNOWLEDGE MANAGEMENT SYSTEM FOR WORK SERVICES OF SRE PROJECT
33. DEVELOPMENT OF SIX SIGMA MODEL TO MEET PRESENT ALARM MANAGEMENT CHALLENGES IN PROCESS CONTROL INDUSTRIES
34. DIGITAL MARKETING: RETAILERS NEW STORE WINDOW
35. DRINKING WATER FLOW METERING TECHNOLOGIES & BEST PRACTICES
36. DRIVING EFFICIENCY THROUGH BUSINESS TRANSFORMATION FOR AN INSURANCE PROVIDER
37. EFFECTIVE PROJECT MANAGEMENT
38. EMARS – ENTERPRISE MAXIM ACQUISITION REQUISITION SYSTEM

39. ENERGY STRATEGY ON A 3D WHOLE BUILDING SIMULATION PLATFORM TO PROMOTE GREEN BUILDINGS
40. ENHANCING ORGANIZATION PERFORMANCE VIA TOTAL QUALITY MANAGEMENT WITH INFORMATION TECHNOLOGY
41. ESB ARCHITECTURE AND GOVERNANCE
42. EVALUATION AND PREDICTION OF EMBEDDED SOFTWARE MATURITY TIME-LINES BASED ON INPUTS FROM THE SOFTWARE CREATION PHASE.
43. FEASIBILITY STUDY FOR THE COMMERCIAL PRODUCTION OF BIO DIESEL IN INDIA.
44. HEALTHCARE – IS INDIA CONSCIOUS
45. HONEYWELL AEROSPACE IN-SOURCING PROCESS FOR GENERAL ELECTRIC AVIATION
46. IDENTIFY THE REQUIREMENTS AND NEEDS FOR SUCCESSFUL IMPLEMENTATION OF ERP SYSTEM IN HIGHER EDUCATIONAL SECTOR
47. IMPLEMENTATION OF ANCILLARY SERVICES IN INDIAN ELECTRICITY MARKET AND ITS BENEFITS
48. IMPLEMENTATION OF PROJECT EXECUTION MODEL (PEM) ON ONGC'S BPA-BPB PLATFORM COMPLEX RECONSTRUCTION PROJECT
49. IMPLEMENTING ENTERPRISE LEVEL WIRELESS NETWORK & WIRELESS BRIDGE AT ZONES CORP
50. IMPROVING DECISION MAKING BY AUTOMATION OF MANUFACTURING PROCESSES
51. INTERNATIONAL BUSINESS STRATEGY OF RETAIL ORGANIZATIONS IN EMERGING MARKETS: HOW CONSULTANTS CAN HELP IN STRATEGY-GOALS ALIGNMENT
52. IT INTEGRATION FRAMEWORK FOR M&A
53. IT SUPPORT & MAINTENANCE PROJECTS, MINOR & MAJOR ENHANCEMENTS – BETTER APPROACHES TO FINAL SOLUTION DELIVERY
54. IVR TECHNOLOGY AND ITS IMPLEMENTATION ALONG WITH CALL CENTRE SETUP
55. KNOWLEDGE MANAGEMENT AT INFOSYS LIMITED
56. MANAGING A CONSULTANCY SERVICES FIRM
57. MANAGING A CONSULTING SERVICES FIRM
58. MEASUREMENT OF EFFECTIVENESS AND SUCCESS OF DITL MEASUREMENT OF EFFECTIVENESS AND SUCCESS OF DITL
59. METHODOLOGY FOR ADOPTION OF EMERGING TECHNOLOGIES IN OFFSHORE IT SERVICE COMPANIES
60. MODEL BASED ON THE OUTAGE MANAGEMENT SYSTEM TICKETS TO PREDICT THE MEAN TIME TO REPAIR (MTTR) FAULTS ACROSS AT&T HARDWARE AND SOFTWARE SUPPORT GROUP.
61. NETWORK SOLUTION FOR INTEGRATED INFRASTRUCTURE MANAGEMENT TO IMPROVE IT EFFICIENCY AND PRODUCTIVITY
62. NEXTGEN KNOWLEDGE WORKERS IN THE MAKING
63. PERFORMANCE EXTRAPOLATION FOR LOAD TESTING RESULTS - QUANTITATIVE APPROACH
64. PRE-INSPECTIONS OF MOTOR VEHICLES- THE NEW DNA OF INSURANCE
65. PROJECT MANAGEMENT FO CHACHAN GROUP'S GREENFIELD CEMENT PLANT IN NEAPLGUNJ, NEPAL
66. PROJECT MANAGEMENT IN WELL-ESTABLISHED ORGANIZATION
67. PROPOSED MIXED DEVELOPMENT BUILDING TO BE LEED (LEADER SHIP IN ENERGY AND ENVIRONMENT DESIGN) CERTIFICATION
68. PROVIDING E-BUSINESS SOLUTIONS FOR COMPANIES MARKETING IT INFRASTRUCTURE PRODUCTS
69. QUALITY & SERVICE ANALYTICS TOOL BOX
70. RAPDRP-A IT IMPLEMENTATION FOR KARNATAKA
71. REVIEW OF LNG AS FUTURE FUEL FOR MARITIME INDUSTRY: REDUCTION IN OPERATING COST & MARINE POLLUTION
72. RISK MANAGEMENT IN AUTOMOTIVE INDUSTRY
73. RISK MANAGEMENT STRATEGY FOR START UP COMPANIES
74. ROLE OF CONSULTING IN MARKETING OF FINANCIAL PRODUCTS (LOGISTIC EQUIPMENT FINANCE)
75. SCOPE OF RFID TECHNOLOGY IN TRACKING OF ASSETS IN DEFENSE SECTOR AND ITS IMPLEMENTATION
76. SERVICE QUALITY, CUSTOMER SATISFACTION, CUSTOMER LOYALTY: THE CASE OF INDIAN TELECOM INDUSTRY
77. SETUP COLLABORATION AND STRATEGIC BUSINESS MODEL BETWEEN : MERCEDES-BENZ RESEARCH AND DEVELOPMENT INDIA AND DAIMLER TSS GMBH FOR IT SERVICES
78. SITUATIONAL ANALYSIS FOR SAMSUNG B2B PRODUCT'S

79. SIX SIGMA PROJECT TO DEFINE CRITERIA OF A GOOD PRELIMINARY SYSTEM DESIGN (PSD) AND TO IMPLEMENT PSD MEASUREMENT
80. SOFTWARE DEVELOPMENT PROJECT COST REDUCTION THROUGH DEFECT PREVENTION
81. SOUTH AFRICA AS AN IT DESTINATION
82. STRATEGIC APPROACH TOWARDS ENERGY SUSTAINABILITY THROUGH ENERGY MANAGEMENT CONSULTANCY
83. STRATEGIC MANAGEMENT INITIATIVE FOR OPTIMISATION OF RESOURCE UTILISATION BY WAY OF CONCEPTUAL PROCESSES TO IMPROVE THROUGHPUT
84. THE DYNAMICS OF PROJECT MANAGEMENT
85. THE MARKET STRATEGY OF EMC² IN TARGETING THE IT INFRASTRUCTURE SOLUTIONS AND SERVICES MARKET OF TELECOM COMPANIES IN INDIA
86. TOTAL QUALITY MANAGEMENT: A CRITICAL SUCCESS FACTOR IN IMPLEMENTATION OF ERP
87. TQM IN SYSTEM MONITORING
88. TRACKING CONSUMER BUYING BEHAVIOR- HOW TO USE TECHNOLOGY TO COLLECT THE RIGHT DATA
89. TRENDS IN INDIAN AUTOMOBILE INDUSTRY & THE IMPORTANCE OF THE IGNORED AREA OF VEHICLE LIGHTING FOR THE 'LIFE THE OF PEOPLE ON INDIAN ROADS'
90. USD-INR CURRENCY PAIR: WHERE IS IT HEADING

M.S. ENGINEERING MANAGEMENT

91. INCREASING THE PRODUCTIVITY OF ENGINE TESTING THROUGH ENGINE TESTING CYCLE TIME REDUCTION
92. PROCESS ROBUSTNESS UNDER PLANT VISION
93. CAPACITY ENHANCEMENT IN TRANSMISSION REAR HOUSING MACHINING TO CATER MARKETING REQUIREMENT
94. PRODUCTIVITY ENHANCEMENT ON FINISHING LINE
95. WORK STATION STANDARDIZATION
96. INCREASING THE PRODUCTIVITY OF A CONVEYOR TILTING UNIT
97. SYSTEM DEVELOPMENT FOR IRRITANTS RESOLUTION OF MAHINDRA-USA TRACTORS AT RECEIVING STAGE
98. TO AVOID MANUAL GRATINGS CLEANING OF PAINT BOOTH
99. PRODUCTIONISATION OF NEW PRODUCT ON EXISTING CONTROL CALVE ASSEMBLY CONVEYOR
100. CRUSADE CONCEPT IMPLEMENTATION BY INTEGRATING/INTERLOCKING POKAYOKE'S WITH B AND D CONVEYOR IN TRANSMISSION ASSEMBLY PLANT.
101. REDUCTION IN FILTRATION COST PER TRANSMISSION BY 50%
102. IMPLEMENTATION OF PLASTIC AIR INTAKE MANIFOLD ON M-HAWK ENGINE (LAUNCH MANAGEMENT)
103. SIMPLIFYING SUPPLY CHAIN USING IT TOOLS
104. BLOCKAGE FREE ANODES AND OPTIMIZE ANODES FLOW RATE
105. INCREASING MTBF & PRODUCTIVITY OF B-CONVEYOR
106. IMPLEMENTATION OF W105 ENGINE (LAUNCH MANAGEMENT)
107. SYSTEM FOR NEW PRODUCT INTRODUCTION & PRODUCTIONIZATION
108. TO MONITOR, CONTROL AND IMPROVE THE INJECTOR SPILL CUT OFF AND INJECTOR TIP PROTRUSION SO AS TO HAVE A POSITIVE EFFECT ON ENGINE PERFORMANCE.
109. DESIGN & IMPLEMENTATION OF COMMON ENGINE TESTING FACILITY FOR ALL VARIANTS W201, MHAWK TO MEET THE INCREASE IN DEMAND WITH EXISTING SYSTEM AT A NADIR COST WITH TPM APPROACH.
110. ACHIEVING FIRST TIME RIGHT(NO FAULT FORWARD) IN HYDRAULIC ASSEMBLY.
111. REDUCTION IN REWORK DUE TO DUST IN PAINTED (TOP COATED) COMPONENTS
112. REDUCE CHEMICAL LOSS OF PHOSPHATE DUE TO MORE TANK CLEANING FREQUENCY
113. DEBOTTLENECKING OF BONNET SUB ASSEMBLY AND MAINTAINING SINGLE PIECE FLOW
114. REDUCTION IN INVENTORY OF BUYER CODE TPR BY 40%
115. STREAM LINE THE PROCESS FLOW OF NEW PRODUCT ON EXISTING ASSEMBLY LINE.
116. LEAD TIME REDUCTION THROUGH VALUE STREAM MAPPING IN MACHINE SHOP
117. DEVELOPMENT OF FRAME WORK FOR REDUCING ABSENTEEISM % IN TRACTOR ASSEMBLY
118. IMPROVING VAR(VALUE ADDED RATIO) OF HYDRAULIC ASSEMBLY
119. ONLINE COMPONENT LOADING ON PAINT SHOP CONVEYOR
120. ELIMINATION OF NEF ENGINE REJECTION FOR COOLANT LEAKAGE FROM WATER PUMP & FRONT COVER JOINT FACE.

121. ERP COVERAGE REPORT OF ALL DIRECT PARTS
122. REDUCTION IN TRANSIT DAMAGES OF SHEET METAL ITEMS.
123. PRODUCTIVITY IMPROVEMENT IN STORES IN ORDER TO CATER TO INCREASED CAPACITY & ADDITION OF NEW PRODUCT
124. FIRST TIME RIGHT NEW PRODUCT LAUNCH - A NEW APPROACH
125. FINISHING LINE DPR IMPROVEMENT BY REDUCTION OF PAINT REWORK
126. TO EMPLOYEE A SYSTEM WHICH ENSURES MODEL WISE CORRECT COMPONENT ASSEMBLY ON SUB-TUCK CONVEOR
127. MATERIAL FLOW MAPPING OF SUPER A CLASS PART – TRANSMISSION CASE TO REDUCE INVENTORY AND EXPLORE LOGISTICS COST SAVING.

M.S. PHARMACEUTICAL OPERATIONS & MANAGEMENT

128. RISK ASSESSMENT AND MITIGATION PLAN FOR MANUFACTURING OF PHARMACEUTICAL PROCESS FOR ORAL SOLID DOSAGE FROM
129. IMPROVEMENT OF PHARMACEUTICAL PURIFIED WATER QUALITY
130. HANDLING OF MARKET COMPLAINTS
131. UNDERSTANDING THE INDUSTRIAL STERILIZATION VALIDATION PRACTICES
132. INVESTIGATION OF THE WAYS TO IMPROVE THE PERFORMANCE OF A PLANT
133. OSMOTIC DRUG DELIVERY SYSTEM
134. ROLE OF QUALITY RISK MANAGEMENT IN PHARMACEUTICAL INDUSTRY
135. REGULATORY AFFAIRS IN PHARMACEUTICAL INDUSTRIES
136. CLEANING METHOD DEVELOPMENT AND VALIDATION
137. DEVELOPMENT OF MEDICAL DEVICE
138. CORRECTIVE AND PREVENTIVE ACTION
139. THE 3 E'S OF OFFICE PAPER REDUCTION: ECONOMICAL, ENVIRONMENTAL, EFFICIENT
140. PRODUCTIVITY IMPROVEMENT, COST SAVING & PROCESS LOSS REDUCTION IN PHARMACEUTICAL DOSAGE FORMS
141. RISK ANALYSIS OF LIQUID ORALS FORMULATIONS BY HAZARD ANALYSIS AND CRITICAL CONTROL POINT (HACCP) AND FAILURE MODE EFFECTS ANALYSIS (FMEA) TECHNIQUE
142. PRODUCTIVITY & PROCESS YIELD IMPROVEMENT IN ORAL SOLID DOSAGE FORM DURING PACKING OPERATION
143. PROCESS VALIDATION OF PARACETAMOL 500MG CAPLET
144. HVAC QUALIFICATION AND VALIDATION
145. QUALIFICATION OF NEW HIGH SPEED BLISTER PACKING MACHINE
146. STERILIZER VALIDATION

M.PHIL. HOSPITAL & HEALTH SYSTEMS MANAGEMENT

147. STUDY ON HOSPITAL DISCHARGE PROCESS AT KRISHNA MULTISPECIALTY HOSPITAL-MORBI
148. THE IMPACT OF FREE DRUG DISTRIBUTION SCHEME ON GOVERNMENT AND PRIVATE HEALTH FACILITIES
149. STUDY ON STATUS OF HEALTH IN RURAL AREA OF RAJASTHAN' JAISALMER DISTRICT AFTER NRHM
150. A STUDY ON KNOWLEDGE, ATTITUDE AND PRACTICES OF HOSPITAL STAFF REGARDING DISASTER PREPAREDNESS: A CASE STUDY OF CAPITOL HOSPITAL
151. ASSESSMENT OF PSYCHOSOCIAL VARIABLES OF VOLUNTARY BLOOD DONORS AT IMA BLOOD BANK, KOCHI: A CASE STUDY

M.S. QUALITY MANAGEMENT

152. PREDICTION MODEL FOR PROJECT/PRODUCT READINESS THROUGH QUALITY MANAGEMENT
153. M14 MINOR DIAMETER OVERSIZED IN CONNECTING FLANGE
154. OPTIMISATION OF PROCESS & PERFORMANCE OF ANDROID PLATFORM
155. PROCESS IMPROVEMENT USING AGILE SCRUM METHODOLOGY
156. PROCESS IMPLEMENTATION & OPTIMIZATION THROUGH ITERATIVE PROJECT DEVELOPMENT
157. SERVICE QUALITY IMPROVEMENT IN CIVIL ENGINEERING CONSULTANCY
158. OPTIMIZATION OF SMOKE TESTING PROCESS
159. ANALYSE THE IMPACT DUE TO REPAIRS AND REWORKS IN CONSTRUCTION PROJECT
160. DESIGN, MANUFACTURING AND TESTING OF ECONOMIC SOLAR WATER HEATER
161. REDUCING THE DEFECTS AND INCREASING THE COMPLIANCE BY QUALITY PROCESS CONTROL
162. SHAREPOINT AS A QMS IN NEW IT ERA
163. RECRUITMENT AND SELECTION

164. IMPLEMENTATION OF PROJECT EXECUTION PLAN AT SALAYA MATHURA PIPE LINE PROJECT, JAIPUR
165. "DEVELOPING AN APPROACH TO ACCURATELY MEASURING SERVICE QUALITY THROUGH TRANSACTION MONITORING"
166. QUALITY PROBLEM ANALYSIS AND RESOLUTION: PULVERIZE COMPONENT - JOURNAL HEAD
167. IMPROVE TRACTOR QUALITY THROUGH REDUCTION IN LINE DEFECT
168. SPRINTER - A MARKET GAUGE AGAINST INDIAN VEHICLE
169. CHALLENGES IN TRAINING AND DEVELOPMENT OF QUALITY CONTROL ENGINEERS PROVIDING QUALITY CONTROL AND QUALITY ASSURANCE SERVICES TO THE UPSTREAM SECTOR OF OIL AND GAS INDUSTRY
170. PREVENTION OF JOB FALLING FROM CHUCK , WHILE MACHINE RUNNING
171. STANDARDISE TORQUE EXTRACTION PROCESS BY USING LEAN SIX-SIGMA APPROACH
172. CONTINUOUS IMPROVEMENT AND INNOVATION USING SOCIAL MARKETING
173. QC PROBLEM SOLUTION IN TUBE FLARING
174. PROCESS QUALITY IMPROVEMENT OF AUXILIARY PERMANENT MAGNET GENERATOR THROUGH MEASUREMENT AND QUALITY TOOLS & TECHNIQUES.
175. APPLICATION OF STATISTICAL AND MANAGEMENT TECHNIQUES FOR INCREASING CUSTOMER SATISFACTION IN SERVICE DELIVERY MODEL
176. "IMPROVING COST OF QUALITY ON MANUFACTURING PROCESS AT VAL TECHNOLOGIES PRIVATE LIMITED, CHENNAI, INDIA
177. ENHANCING CUSTOMER VALUE PROPOSITION TO AID UPCOMING VEHICLE SEGMENT.
178. AGILE SCRUM FRAMEWORK IMPLEMENTATION
179. APPLYING BUSINESS PROCESS RE-ENGINEERING IN INFORMATION TECHNOLOGY (IT) SECURITY SETUP AT DEFENSE COMMAND HQ TO FILL THE GAPS IN IMPLEMENTATION OF IT SECURITY POLICIES AND INSTRUCTIONS.
180. QUALITY ASSURANCE AND TESTING OF MOBILE APPLICATIONS AT C-SAM
181. PROJECT QUALITY MANAGEMENT THROUGH COST OF QUALITY
182. RESCHEDULING OF PREVENTIVE MAINTENANCE SCHEDULE (100 HOURS SERVICING) OF MI 17 HELICOPTERS BY APPLYING 'BUSINESS PROCESS REENGINEERING' AND 'PROJECT MANAGEMENT TOOLS'.
183. METRIC ASSESSMENT, PRODUCTIVITY (MAP)
184. IMPROVING ON TIME DELIVERY AND ELIMINATION OF OPL AT GAS-2, RENAULT NISSAN TECHNOLOGY AND BUSINESS CENTRE INDIA PVT LTD
185. A 6-SIGMA APPROACH FOR EXTERNAL ALARM INTEGRATION AT RADIO BTS SITES OF RELIANCE COMMUNICATIONS ACROSS J&K TO ACHIEVE EFFORT AND COST REDUCTION USING DMAIC TOOL
186. QUALITY ASSURANCE IN STAFFING INDUSTRY FOR PREDICTABLE BUSINESS OUTCOMES, ALTERNATIVELY EXPLORE SUSTAINABLE MODELS.
187. KNOWLEDGE MANAGEMENT THROUGH APPLICATION OF ICT
188. A FRAMEWORK FOR PREDICTION IN SOFTWARE INDUSTRY
189. PLATFORM COVERAGE TEST OPTIMIZATION USING DATA ANALYTICS
190. IMPROVING INNER LINER WIDTH QUALITY BY ESTABLISHING EFFECTIVE CONTROL SYSTEM
191. REDUCING AHT (AVERAGE CALL HANDLING TIME) USING QUALITY MANAGEMENT
192. "IMPROVED FABRICATION YARD OPERATIONS - FCAW" AT EWL FABRICATION SHOP-KANCHIPURAM.
193. INTRODUCTION OF ORBITAL TIG WELDING IN 125 MW CONCENTRATED SOLAR THERMAL POWER PLANT AT POKARAN, RAJASTHAN
194. STRATEGIC DEVELOPMENT & IMPLEMENTATION OF HUMAN RESOURCE MANAGEMENT SYSTEM IN SME – MANUFACTURING SETUP
195. OVERCOMING THE RESOURCE CRUNCH ISSUE THROUGH PRIORITIZATION OF GSM BTSS IN MAINTAINING A QMS OF BSNL, MOBILE NETWORK IN KERALA
196. USE OF PROBLEM SOLVING TOOLS & TECHNIQUES TO REDUCE SPECIFIC POWER CONSUMPTION OF CEMENT MILL BY 0.5 KWH/TON CEMENT
197. PROCESS ENHANCEMENT, UP GRADATION AND 70% PPMEQ REDUCTION FROM CURRENT LEVEL OF SUPER AUTO SUPPLIES
198. EVALUATING THE EFFECTIVENESS OF USE OF SIMULATORS IN ENHANCING THE QUALITY OF TRAINING.
199. BUSINESS PROCESSES AUTOMATION USING SAP TAO
200. BENCHMARKING NPCIL SOFTWARE DEVELOPMENT PROCESS WITH SOFTWARE PROCESS ASSESSMENT (ISO-15504) FOR IDENTIFICATION OF IMPROVEMENT AREAS
201. COMPARATIVE IMPROVEMENTS IN SOFTWARE DEVELOPMENT LIFE CYCLE OF LOTUS NOTES APPLICATION DEVELOPMENT THROUGH PROJECT MANAGEMENT TECHNIQUES

202. REDUCTION OF VARIABILITY IN POLYESTER STAPLE FIBER PROPERTIES THROUGH STATISTICAL PROCESS CONTROL
203. IMPROVE OPERATIONAL PRODUCTIVITY, QUALITY AND SAFETY IN FURNITURE ASSEMBLY.
204. "QUALITY AND PERFORMANCE MANAGEMENT OF SUBCONTRACTORS"
205. MONTE CARLO SIMULATION & TOLERANCE STACK UP ANALYSIS FOR STANDARDIZATION OF RESISTANCE SPECIFICATION IN LIGHTNING PROTECTION SYSTEM OF WIND TURBINE BLADES
206. IMPROVING EFFICIENCY OF FOUR STROKE 400CC ENGINE BY MODIFYING THE CARBURETOR JET NEEDLE
207. IMPACT OF CLOUD TECHNOLOGY ON THE STRATEGY OF TOP 5 INDIAN IT COMPANIES
208. IMPACT OF CLOUD TECHNOLOGY ON THE STRATEGY OF TOP 5 INDIAN IT SERVICE COMPANIES
209. STRENGTHENING COP SELECTION PROCESS @ ICAT
210. COMMON TESTING PLATFORM
211. RISK MANAGEMENT OF CARDIAC MONITORING SYSTEM USING FTA AND FMEA TECHNIQUES
212. "SERVICE REQUEST REDUCTION IN 'TASK TRACKING' MODULE OF COGNIZANT 20 BY 50%"
213. A CASE STUDY ON INSULATING CAST ABLE [POURABLE INSULATION]
214. REDUCE REOPEN INCIDENTS/ISSUES IN SOFTWARE MAINTENANCE PROJECTS
215. CONTINUOUS PROCESS IMPROVEMENT THROUGH IMPLEMENTING SPC TECHNIQUE
216. IMPROVEMENT OF REFINERY CONTROL LOOP PERFORMANCE USING CONTROL CHARTS
217. MAXIMIZING PREDICTABILITY OF SOFTWARE DELIVERY IN AGILE METHODOLOGY
218. PRODUCTIVITY IMPROVEMENT IN SWITCH ASSEMBLY LINE THROUGH LEAN CONCEPT
219. SUPPLIER DEVELOPMENT THROUGH ADVANCED PRODUCT QUALITY PLANNING (APQP) WITH PRODUCT PROCESS MATRIX AND IMPROVING FIRST TIME RIGHT
220. RELIABILITY EVALUATION BY RISK MANAGEMENT IN PHARMACEUTICALS
221. DEVELOPMENT OF A FLEXIBLE MANUFACTURING SYSTEM MODEL FOR JOB SCHEDULE OPTIMIZATION
222. CONTROLLED REGRESSION SUITE
223. QUALITY IMPROVEMENT BY DEFECT CLASSIFICATION AND PATTERN ANALYSIS.
224. INTRODUCTION OF INTEGRATED MANAGEMENT INFORMATION SYSTEM FOR CONSTRUCTION PROJECTS
225. QUALITY RISK MANAGEMENT OF BLISTER PACKAGING
226. PROCESS VALIDATION OF LYOPHILIZED PRODUCT
227. IMPACT ANALYSIS OF INFORMATION SECURITY EDUCATION AND AWARENESS PROJECT
228. COMPACTABLE & FLEXIBLE CAPACITY EXPANSION RACK
229. TRANSMISSION BACKHAUL IMPLEMENTATION FOR UMTS (3G) AND GSM (2G) TECHNOLOGIES
230. QUALITY/PROCESS IMPROVEMENT IN TELECOM INSTALLATION, IDEA CELLULAR LTD,KERALA
231. BASE STATION SUBSYSTEM MODERNIZATION IN IDEA CELLULAR-KERALA CIRCLE
232. PPM REDUCTION IN STEEL CASTINGS THROUGH PROCESS IMPROVEMENT
233. OPTIMIZATION AND STANDARDIZATION OF IPC (ILLUSTRATED PARTS CATALOGUE) AUTHORING PROCESS
234. IMPROVE PROCESS CAPABILITY OF CURED PLY THICKNESS FOR UD 1322 GLASS FABRIC MATERIAL THROUGH SIX SIGMA APPROACH
235. EASY ACCESS DASHBOARD TOOL
236. ALLOCATION OF COMPONENTS TO A WORK ORDER IN MANUFACTURING ERP SYSTEMS
237. OPTIMIZATION OF NEW PRODUCT INTRODUCTION PROCESS IN AUTOMOTIVE GRAPHICS
238. OPTIMIZATION OF CLEANING INSPECTION AND REPAIR (CIR) PROCESS
239. INSTRUMENTATION & CONTROL WORKS FOR ASH HANDLING PLANT WITH CRASH SCHEDULE
240. SOFTWARE TESTING PROCESS IN AGILE DEVELOPMENT
241. TRX DOWN RESTORING TAT REDUCTION
242. STATISTICAL APPROACH IN SOFTWARE QUALITY & CUSTOMER SATISFACTION IMPROVEMENT
243. REDUCING CUSTOMER COMPLAINT BY PROCESS MODIFICATION
244. OPTIMIZATION OF SOFTWARE COMPATIBILITY TESTING PROCESSES
245. NEW ENGAGEMENT MODEL, SERVICE BASED ESTIMATION MODEL FOR BILLING THE TESTING ACTIVITIES PERFORMED BY INFOSYS TEAM
246. ACCURACY IMPROVEMENT AND LEAD TIME REDUCTION IN MARKET RESEARCH PROCESS
247. PRODUCT DOCUMENTATION RELEASE MANAGEMENT

248. ERROR ANALYSIS OF FEATURES AND ATTRIBUTES IN GEOSPATIAL DATABASE
249. OPTIMIZATION OF GRATINGS FOR WIND TURBINE GENERATOR
250. LEAN MANUFACTURING MANAGEMENT
251. TRAINING AND PERFORMANCE OF THE EMPLOYEES IN IT SECTOR
252. BUSINESS ANALYTICS OF ORGANIZATIONAL GROWTH RATE.
253. TO STUDY AND ANALYZE DEFECTS IN BRAKE PEDAL THROUGH QUALITY TOOLS
254. IMPROVING METHODOLOGY OF RAW MATERIAL INWARD INSPECTION AND SUPPLIER QUALITY MONITORING SYSTEM
255. INTEGRATION OF ISO 9001:2008 GUIDELINES IN HIGHER EDUCATION TO ACHIEVE PERFORMANCE EXCELLENCE
256. IMPROVEMENT IN EFFICIENCY IN AUDIT REGISTRATION
257. MEASUREMENT, ANALYSIS AND IMPROVEMENT OF IN HOSPITAL OUTCOMES FOR CLINICAL PROCEDURES (CARDIAC SURGERY) WITH EMPHASIS ON IMPROVEMENT OF KEY CLINICAL OUTCOMES
258. COMPARATIVE STUDY OF HMIS (HOSPITAL MANAGEMENT INFORMATION SYSTEM) IN HEALTH CARE QUALITY IMPROVEMENT AND PATIENT SATISFACTION
259. MM/CA IMPROVEMENT BY TOKEN AUTOMATION TOOL
260. DEPLOYING TQM TO ACHIEVE BUSINESS EXCELLENCE USING DEMING'S 14 PRINCIPLES
261. APPLICATION OF 'DESIGN OF EXPERIMENTS' TO REDUCE REJECTION ON ASSEMBLY LINE.
262. FIT & FINISH IMPROVEMENT IN SCOOTERS
263. REDUCTION IN WARRANTY RETURNS WITH THE HELP OF SIX SIGMA DMAIC METHODOLOGY.
264. A COMPARATIVE STUDY OF ACE (ACHIEVING COMPETITIVE EXCELLENCE) WITH SIX SIGMA AND OTHER QUALITY SYSTEMS.
265. OPTIMIZATION OF TOOL CRIB MANAGEMENT AT FLYING SQUADRONS
266. OPTIMIZATION OF MANUFACTURING PROCESS/ DESIGN PARAMETER TO IMPROVE THE CTQ PARAMETER OF FLOAT IN BRAKE FLUID RESERVOIR ASSEMBLY
267. INDIAN AIR FORCE MAINTENANCE STRATEGY AND SUPPLY CHAIN STRATEGY: ACHIEVING STRATEGIC FIT
268. "IMPROVING QUALITY ON AESTHETIC REQUIREMENTS"
269. IMPROVEMENT OF EMPLOYEE RETENTION IN BPO INDUSTRY
270. PROCESS OF SINTER ORE & IT'S IMPACT IN BLAST FURNACE-QUALITY CONTROL ,ASSURANCE RELIABILITY
271. STUDY OF STRATEGIC FIT OF SUPPLIERS FOR GE, WATER & PROCESS TECHNOLOGIES ES PROJECTS BUSINESS IN INDIA
272. QUALITY MANAGEMENT SYSTEM OF SOFTWARE
273. QUALITY ASSURANCE OF MOTOR GASOLINE IN CROSS COUNTRY MULTI -PRODUCT PIPELINE RECEIPT
274. A NEW TECHNIQUE FOR IMPROVING THE POWER QUALITY IN POWER TRANSFORMERS BY FPGA
275. TALENT & CAPABILITY ASSESSMENT WITHIN AN ORGANIZATION
276. AUTOMATION OF DATA FILL ACTIVITY PROCESS VIA WEB PORTAL
277. INCREASE IN PRODUCTIVITY OF CAPARO MARUTI LIMITED, GURGAON
278. PREDICTING VOLUMES FOR AVAILABILITY MANAGEMENT USING FORECASTING TECHNIQUES
279. REDUCE THE PROCESS REJECTION THROUGH IMPROVE THE PROCESS DESIGN
280. EARNED VALUE MANAGEMENT, CASH FLOW 7 CASH PLANNING
281. IMPROVING QUALITY AND SPEED OF AFTER SALES SERVICE AT GODREJ INTERIO DIVISION, GODREJ & BOYCE, MUMBAI
282. CONTINUAL QUALITY IMPROVEMENT OF PHYSICAL SECURITY PRODUCTS THROUGH SQC & SPC TECHNIQUES
283. TO DO QUALITY PROJECTS WITH SUPPLIERS TO IMPROVE INCOMING QUALITY.
284. BUILDING RELIABILITY IN AERONAUTICAL PRODUCTS THROUGH ANALYSES OF DEFECT INVESTIGATIONS

M. S. SOFTWARE SYSTEMS

285. A CHORDED FRAMEWORK FOR JAVA
286. A COMPARATIVE STUDY AND FEASIBILITY ANALYSIS OF HEADLESS WEB BROWSERS FOR HANDLING JAVASCRIPT ENCRYPTION
287. A COMPARATIVE STUDY OF SECURITY TECHNIQUES IN A WEB APPLICATION
288. A CONTENT BASED IMAGE RETRIEVAL SYSTEM BASED ON MULTIPLE CONVEX HULL GEOMETRY

289. A COST EFFECTIVE SOLUTION FOR VIRTUAL INFRASTRUCTURE MANAGEMENT
290. A FORAY INTO ANTI REVERSE ENGINEERING – PROTECTING SOFTWARE FROM PRYING EYES
291. A FRAMEWORK FOR ENSURING PRIVACY IN WSN
292. A FUZZY KEYWORD SEARCH AND SECURE CLOUD COMPUTING
293. A HIERARCHIAL APPROACH TO SOFTWARE TESTING
294. A HIERARCHICAL TOKEN BUCKET STRATEGY FOR REPLICATION IN HIGHLY VIRTUALIZED ENVIRONMENTS
295. A HIGHLY SCALABLE KEY PRE-DISTRIBUTION SCHEME FOR WIRELESS SENSOR NETWORKS
296. A HYBRID AUTOMATION FRAMEWORK IN UFT FOR WEB BASED APPLICATIONS
297. A LAYERED DESIGN FRAMEWORK WITH ESB
298. A METADATA BASED ETL JOBS MIGRATOR
299. A METHOD TO PROVIDE FAULT TOLERANCE USING PARITY PROTECTION FOR LARGE SECONDARY CACHE
300. A MIGRATION FRAMEWORK PROPOSAL FOR COBOL/CICS BASED MAINFRAMES
301. A MOBILE APPLICATION FOR GROCERY BUSINESS
302. A MODEL FOR CONTEXT AWARE WORKFLOW ENGINE
303. A MULTIPLICATIVE HOMOMORPHIC PROXY RE-ENCRYPTION FOR CLOUD STORAGE SYSTEM WITH SECURE DATA FORWARDING
304. A MULTI-TENANT BASED E-LEARNING SYSTEM LEVERAGING CLOUD INFRASTRUCTURE CAPABILITIES
305. A NEURAL NETWORK APPROACH FOR RANDOMIZED UNIT TESTING BASED ON GENERIC ALGORITHM
306. A NEW ALGORITHM FOR INFERRING USER SEARCH GOLAS WITH FEEDBACKSESSION
307. A NEW TCP PERSISTENT PACKET REORDERING
308. A NOVEL APPROACH FOR LOAD BALANCING IN STRUCTURED PEER TO PEER SYSTEMS
309. A NUMERICAL OPTIMIZATION FRAMEWORK ON OPEN STACK CLOUD.
310. A PATTERN-MATCHING SCHEME WITH HIGH THROUGHPUT PERFORMANCE AND LOW MEMORY REQUIREMENT
311. A PROPOSED CLOUD ARCHITECTURE FOR A UNIVERSITY
312. A QUICK RESPONSE (QR) CODE BASED SHOPPING IN RETAIL MARKETS AND FOOD CHAINS.
313. A REAL TIME DATALOG GENERATOR APPLICATION FOR PECVD TOOLS
314. A REALISTIC APPROACH FOR LOAD BALANCING THROUGH EEC IN WIRELESS SENSOR NETWORKS USING ACO
315. A RECOMMENDATION ENGINE BASED ON APACHE MAHOUT
316. A ROBUST INVISIBLE BLIND WATERMARK FOR DATA SECURITY ON NETWORK FLOWS
317. A STOCHASTIC MODEL TO INVESTIGATE DATA CENTER PERFORMANCE AND QOS IN IAAS CLOUD COMPUTING SYSTEMS
318. A STRUCTURED APPROACH TO AGILE BUSINESS REQUIREMENT ENGINEERING
319. A STUDY OF SYNCHRONIZATION OVER ETHERNET TECHNIQUES IN NEW GENERATION NETWORKS (NGN)
320. A STUDY ON NEXT GENERATION DATA WAREHOUSING & REPORTING
321. A SYSTEM FOR PROVIDING VALUE ADDED FEATURES FOR TELEVISION VIEWERS
322. A TOOL FOR EFFECTIVE AGILE PROJECT MANAGEMENT
323. A TOURIST GUIDE APPLICATION FOR MOBILE DEVICES
324. A WEB APPLICATION TO EVALUATE AND VISUALIZE ORGANIZATIONAL UTILIZATION
325. A WEB DESIGN FRAMEWORK : REUSABLE ARCHITECTURE FOR ECOMMERCE SITES
326. AAR -ACQUISITION ANALYSIS REPORTING OF VOICE SERVICES
327. ABC- TMS (TICKET MANAGEMENT SYSTEM)
328. ACCELERATING WWW.MERITNATION.COM BY MEANS OF EFFICIENT CACHING STRATEGIES AND PERFORMANCE TUNING.
329. ACCELERATED SSD I/O USING RAM SINK
330. ACCELERATING WWW.MERITNATION.COM BY MEANS OF EFFICIENT CACHING STRATEGIES AND PERFORMANCE TUNING.
331. ACCESS CONTROL WITH NFC-ENABLED SMARTPHONE
332. ACCOUNT OVERVIEW FOR CUSTOMER CENTER (ORACLE FUSION APPLICATION)
333. ACS - ADVANCED COLLEGE SYSTEM
334. ACS & MAS (ANONYMOUS CALL SERVICE & MULTI ACCESS SERVICE)

335. ACTIVE DIRECTORY AUTHENTICATION SERVER FOR SSL VPN
336. ADAPTATION AND IMPLEMENTATION OF SOFTWARE UPDATE MECHANISM USING DVB-SSU AND DSM-CC IN SET TOP BOXES
337. ADAPTIVE AUTHENTICATION FOR ECOMMERCE
338. ADAPTIVE TIGHT COUPLING TO IMPROVE HIGH DYNAMIC GPS RECEIVER PERFORMANCE.
339. ADDRESSING THE ISSUES IN ENTERPRISE MOBILITY APPLICATIONS FOR ANDROID
340. ADMIN PORTAL FOR DIGITAL SALES AND SERVICES APPLICATIONS
341. ADOPTION OF ENTERPRISE SERVICE BUS (ESB) ARCHITECTURE TO MCAFEE FOUNDATION SERVICES (MFS)
342. ADOPTION OF IN-MEMORY DATABASE SYSTEMS
343. ADVANCED ENCRYPTION USING ADVANCED CRYPTOGRAPHY
344. ADVANCED FRAMEWORK DESIGNER (AFD) FOR WEB APPLICATION ARCHITECTURE.
345. ADVANCED ONLINE/OFFLINE WEB APPLICATION WITH HTML5 AND HOSTING IN WINDOWS AZURE.
346. ADVANCED SALES ANALYTICS AND REPORTING WITH BUSINESS INTELLIGENCE
347. ADVANCES IN DATA STORAGE TECHNIQUES
348. ADVANCES IN UNIX OPERATING SYSTEM AND HIGH AVAILABILITY SOLUTIONS
349. AGILE METHODOLOGY IN SERVICE NOW - A REAL TIME TICKETING TOOL
350. AGRICULTURAL INTELLIGENCE SYSTEM
351. AIRLINE NEW CUSTOMER TIER LEVEL FORECASTING FOR REAL-TIME RESOURCE ALLOCATION OF A MILES PROGRAM
352. ALARM MANAGER FOR NETWORK DEVICES
353. ALGORITHM DEVELOPMENT FOR OWNERSHIP VERIFICATION OF DIGITAL IMAGES VIA WATERMARKING TECHNIQUE
354. AN EFFICIENT APPROACH FOR MINING FUNCTIONAL DEPENDENCY FROM RELATION DATABASE BY REMOVING REDUNDANT DEPENDENCY
355. AN EFFICIENT IMPLEMENTATION OF ERPS FOR MOBILE BACKHAUL IN AXXIA COMMUNICATION PROCESSOR PLATFORM
356. AN EMPIRICAL STUDY OF CLUSTERING TECHNIQUES IN SAS TEXT MINING
357. AN ESB BASED FRAMEWORK FOR BPM ANALYTICS USING NOSQL
358. AN INFORMATION RETRIEVAL USING SALTON BUCKLY METHOD WITH CORRELATION
359. ANALYSIS & INTEGRATION OF DPK OPEN VSWITCH FOR THE NEXT GENERATION NETWORK NODES.
360. ANALYSIS AND EVALUATION OF SOFTWARE DESIGN PATTERNS IN THE EXISTING INDUSTRIAL AUTOMATION PROJECT
361. ANALYSIS AND GENERATION OF RELIABILITY REPORT FOR SYSTEM COMPONENTS
362. ANALYSIS AND IDENTIFICATION OF DIFFERENT TYPES OF LINUX SYSTEM MANAGEMENT NEEDS IN A LINUX BASED PRODUCTION ENVIRONMENT & IMPLEMENTATION OF A CENTRALIZED WEB BASED TOOL TO INCREASE EFFICIENCY OF SERVER MANAGEMENT
363. ANALYSIS AND IMPLEMENTATION OF INDEXING STRATEGIES
364. ANALYSIS AND OPTIMIZATION OF IP FAST RE-ROUTE TECHNOLOGIES
365. ANALYSIS OF CONTINUOUS ENGINEERING(CI) IN SOFTWARE ENGINEERING
366. ANALYSIS OF MATERIAL CONSUMPTION TREND IN NPCC USING DATA MINING TECHNIQUES
367. ANALYSIS OF SOCIAL MEDIA DATA USING BIG DATA TECHNOLOGIES
368. ANALYSIS OF SOLARIS OPERATING SYSTEM USING DTRACE
369. ANALYSIS OF WEB SITE DELIVERY PERFORMANCE IMPROVEMENTS DUE TO CONTENT DELIVERY NETWORKS
370. ANALYSIS, MODELLING AND SIMULATION OF WORKLOAD PATTERNS IN A LARGE-SCALE UTILITY CLOUD
371. ANALYZE AND ENHANCE THE PERMISSION MODEL OF ANDROID
372. ANALYZE M-LEARNING APPLICATION USING ANDROID
373. ANDROID APPLICATION FOR PATHOLOGICAL LABORATORY MANAGEMENT
374. ANDROID BASED TOURIST INFORMATION SYSTEM
375. ANDROID CLIENT-SERVER APPS AUTOMATION SOLUTION
376. ANNUAL SALARY REVIEW SYSETM
377. ANY APP AUTOMATION FRAMEWORK
378. API FOR JIRA TO OTRS INTEGRATION

379. API MANAGEMENT AND RE-PUBLISHING
380. APPARATUS MONITOR
381. APPLICATION DEVELOPMENT TO SHOW UPNP FUNCTIONALITY USING THIRD PARTY(OPEN SOURCE) STACK.
382. APPLICATION EXPRESS - A DYNAMIC AND CONFIGURABLE FRAMEWORK TO IMPORT STUDENT APPLICATIONS INTO CAMPUSVUE™ STUDENT INFORMATION SYSTEM
383. APPLICATION MONITORING SOLUTION FOR ADOBE CONNECT
384. APPLICATION OF COMPUTATIONAL MODELS IN VIVID FUNCTIONAL AREAS
385. APPLICATION OF DATA MINING IN RETAIL FOR MARKET CAMPAIGN
386. APPLICATION OF DATA MINING TECHNIQUES IN CONTRACT RISK MANAGEMENT
387. APPLICATION OF PATTERNS IN OBJECT ORIENTED SOFTWARE FOR RADAR SYSTEMS
388. APPLICATION PERFORMANCE MONITOR UTILITY
389. APPLICATION PROFILING SYSTEM FOR COMPARATIVE PERFORMANCE ANALYSIS
390. APPLICATIONS MONITORING SYSTEM
391. APPLIED DATA MINING CONCEPTS
392. APPLIED PROCESS CONTROLLED TIMER FOR IRRIGATION USING WIRELESS SYSTEM.
393. APPLYING BIG DATA ANALYTICS AND GENETIC ALGORITHMS FOR ATM CASH OPTIMIZATION
394. APPLYING QFD IN SOFTWARE DESIGN PROCESS MONITORING IN INSURANCE
395. APPROXIMATING DF VALUES FOR LF COMPUTATION OF EMITTER USING STATISTICAL APPROACH
396. ARCHITECTURAL STYLES FOR VIRTUALIZATION
397. ARCHIVING AND DISPERSAL OF MAINFRAME PRODUCTION LOG USING GENERATION DATA GROUPS
398. ARM7 BASED CONTROL AND SECURITY SYSTEM WITH WIRELESS TECHNOLOGY
399. ASKME CENTRALIZED REPOSITORY ACCESS TOOL
400. ASP.NET SECURE CODING
401. ASPECT BASED SENTIMENT ANALYSIS OF SOCIAL MEDIA POSTS
402. ASSESSMENT OF PARALLELIZATION STRATEGIES OVER FEATURE SELECTION PROCEDURES IN MACHINE LEARNING
403. ASSESSMENT PORTAL
404. ASSESSMENT TRACKER
405. ASSET MANAGEMENT SYSTEM
406. ASSURING THE QUALITY THROUGH AUTOMATION FRAMEWORK IN SELENIUM
407. ATTACK RESISTANT AND PASSWORD COMPLEXITY ANALYSIS ON GRAPHICAL PASSWORD
408. AUGMENTED REALITY -GESTURE CONTROLLED INTERACTION BETWEEN REAL WORLD AND DIGITAL WORLD
409. AURO-RECEIVE-BOX FOR E-COMMERCE DELIVERABLES
410. AUTHENTICATION MANAGER
411. AUTO ALLOCATION OF UNALLOCATED STOCK
412. AUTO BUILD OF IRP FOR ELEMENT MANAGEMENT LAYER COMPONENTS BY USING MAVEN ARTIFACTORY AND GIT
413. AUTO NOTIFY FOR SYSTEM STATUS FEATURE FRAMEWORK
414. AUTOLIV MARKETING INFORMATION SYSTEM & PRODUCT LIFECYCLE MANAGEMENT SYSTEM INTERFACE (AMIS – PLM INTERFACE)
415. AUTOMATA – END TO END AUTOMATION FOR OPERTAIONAL ACTIVITIES
416. AUTOMATE THE PLUG-IN TESTING
417. AUTOMATED APPLICATION TEST MANAGER
418. AUTOMATED CHECKOUT SYSTEM DEVELOPMENT FOR TESTING CREW ESCAPE SEQUENCER FOR HUMAN SPACE PROGRAM AND STAGE PROCESSING SYSTEM FOR GEO STATIONERY SATELLITE LAUNCH VEHICLE (GSLV).
419. AUTOMATED DOCUMENT RETRIEVAL SYSTEM USING TERM WEIGHTED FUZZY APPROACH
420. AUTOMATED FRAMEWORK FOR PRODUCT DEVELOPMENT IN E-BUSINESS SUITE- SIEBEL
421. AUTOMATED FRAMEWORK FOR PROVISIONING IBM WEBSHERE AS IAAS IN PRIVATE CLOUD
422. AUTOMATED NORMALIZATION SYSTEM
423. AUTOMATED REPORTING MODULE USING SQL SERVER
424. AUTOMATED SYSTEM FOR VEHICLE ALLOCATION AND REPORTING
425. AUTOMATED TEST CASE GENERATION AND PRIORITIZATION USING STATE-CHART

426. AUTOMATED TEST CASE GENERATION FOR NEW AND LEGACY SYSTEMS
427. AUTOMATED TESTING FRAMEWORK FOR PARK ASSIST AND MANEUVER SYSTEMS
428. AUTOMATED TESTING: A SOLUTION FOR SOFTWARE TESTING OF WEB-BASED FINANCIAL PRODUCTS
429. AUTOMATED UI TESTING FRAMEWORK FOR WPF APPLICATIONS
430. AUTOMATED UNIT TESTING OF SOFTWARE (SPECIFICALLY FOR EMBEDDED SOFTWARES)
431. AUTOMATIC FINGERPRINT BIOMETRIC DE-DUPLICATION SYSTEM (AFBDS)
432. AUTOMATIC MONITORING SYSTEM FOR COAL MINE SAFETY BASED ON WIRELESS SENSOR NETWORK
433. AUTOMATIC MONITORING SYSTEM FOR COAL MINE SAFETY BASED ON WIRELESS SENSOR NETWORK
434. AUTOMATIC ROAD RECOGNITION AND ADAPTION SYSTEM FOR AUTOMOBILES
435. AUTOMATIC ROAD SIGN RECOGNITION BASED ON SHAPE ANALYSIS.
436. AUTOMATIC SANITY TESTING
437. AUTOMATIC SITE ACCEPTANCE TESTER
438. AUTOMATIC VEHICLE LAW ENFORCEMENT SYSTEM
439. AUTOMATING APPLICATION DEVELOPMENT FOR MONITORING AND CONTROL OF AIR POLLUTION CONTROL DEVICES IN COAL BASED POWER PLANT
440. AUTOMATING CLOUD HOSTING AND MANAGEMENT FOR E-COMMERCE SITES
441. AUTOMATING DATA PROFILING TECHNIQUES TO IMPROVE DATAQUALITY
442. AUTOMATING LINUX SERVER PATCHING
443. AUTOMATING QUALITY ASSURANCE ACTIVITY FOR FINANCIAL EXCHANGE BUSINESS WHICH IMPLEMENTS EBICS PROTOCOL AND ELECTRONIC SIGNATURE
444. AUTOMATION FRAMEWORK AND AUTOMATION TESS FOR A WEB BASED POOL LICENSE SERVER
445. AUTOMATION FRAMEWORK FOR CRM CODE DEPLOYMENT
446. AUTOMATION FRAMEWORK FOR IPHONE APPLICATION TESTING
447. AUTOMATION FRAMEWORK FOR TESTING WEB AND CLI BASED APPLICATIONS
448. AUTOMATION FRAMEWORK OF OVM TEMPLATE CREATION FOR CLOUD
449. AUTOMATION FRAMEWORK TO TEST SYMANTEC'S PRODUCT INTEGRATED WITH NSX(VMWARE) TO PROTECT VIRTUAL MACHINES
450. AUTOMATION FRAMEWORKS: FEASIBILITY STUDY AND COMPARITIVE ANALYSIS
451. AUTOMATION OF DATA FLASH CONTENT HANDLING
452. AUTOMATION OF DEMAND (BOOK OF WORK) AND CAPACITY MANAGEMENT, PLANNING & FORECASTING
453. AUTOMATION OF LAPTOP TRACKING SYSTEMS USING ACTIVE RFID AND IOT
454. AUTOMATION OF LIBRARY CREATION USED IN PROCESS OF SUBSTATION AUTOMATION
455. AUTOMATION OF QA (CUSTOMIZATION) SCENARIO
456. AUTOMATION OF QA SCENARIO'S USING SAHI TOOL
457. AUTOMATION OF SALES AND MARKETING OPERATIONS BASED ON SERVICE ORIENTED ARCHITECTURE.
458. AUTOMATION OF STOCK ORDER PROCESSING
459. AUTOMATION OF THE FEED OBOARDING'S TESTING PROCESS
460. AUTOMATION TESTING FRAMEWORK FOR ORACLE E- BUSINESS SUITE
461. AUTOMATION TESTING USING LISA VIRTUALIZATION
462. AUTOMATIVE INFOTAINMENT INFORMATION IN AUTOMOBILES
463. AUTOMOTIVE ACTIVE NOISE CANCELLATION SYSTEM
464. AUTONOMIC BUSINESS PROCESS AND WORKFLOW MANAGEMENT IN CLOUDS
465. AWS WEB APPLICATION
466. BALANCING PERFORMANCE ACCURACY AND PRECISION FOR SECURE CLOUD TRANSACTIONS
467. BALLOONING AND VIRTUALIZATION IN CLOUD COMPUTING
468. BATCH JOB RESTARTABILITY
469. BEAN CREATOR VALIDATOR APPLICATION
470. BEHAVIOR DRIVEN DEVELOPMENT(BDD)
471. BIG DATA ANALYTICS FRAMEWORK FOR TELECOM BI
472. BIG DATA SOLUTION

473. BIG DATA WEBLOG ANALYTICS
474. BIG DATA: REAL TIME INTEGRATION OF SAP DATA WITH VERTICA USING INFORMATIC FOR BETTER ANALYSIS AND DECISION MAKING.
475. BIKING BUDDY
476. BILLING AS A SERVICE MODEL IN CLOUD COMPUTING
477. BILLING IN HELPDESK SOFTWARE
478. BILLING SYSTEM FOR ONLINE ADVERTISEMENT
479. BLENDING BIG DATA AND CLOUD - EPILEPSY GLOBAL DATA RESEARCH AND INTELLIGENT SYSTEM.
480. BLUETOOTH APP DEVELOPMENT IN JAVA
481. BLUETOOTH LOW ENERGY APPLICATIONS IN PERVASIVE COMPUTING TECHNOLOGY
482. BLUETOOTH LOW ENERGY BASED EASY CONNECT FRAMEWORK FOR MOBILE DEVICES
483. BLU-RAY AUTOMATED TEST SUITE
484. BOOTLOADER FOR AUTOMOTIVE ECUS
485. BRAIN TUMOR SEGMENTATION AND STAGE DETECTION IN BRAIN MR IMAGES USING K AMS EM ALGORITHM.
486. BRING-UP OF SWITCH TO SUPPORT L2 TRAFFIC
487. BROADBAND NETWORK GATEWAY ON NEXT GENERATION LINE CARDS
488. BUG TRACKER SYSTEM
489. BUG TRACKING PORTAL OVER CLOUD STACK
490. BUILD OPTIMIZATION AND COMMIT WORK-FLOW AUTOMATION
491. BUILDING CROSS PLATFORM MOBILE APPS USING HTML5 - A FEASIBILITY STUDY
492. BUILDING MANAGEMENT SYSTEM
493. BULK PROCESSING OF USER TRANSACTIONS USING SPREADSHEET UPLOAD.
494. BUSINESS ANALYTICS USING BI REPORTING TOOL FOR AN ONLINE RETAILER
495. BUSINESS COMMAND CENTER
496. BUSINESS CONTINUITY PROCESS
497. BUSINESS EFFORTS SYSTEM
498. BUSINESS INTELLIGENCE IN AD SERVING
499. BUSINESS INTELLIGENCE TOOL
500. BUSINESS INTELLIGENCE USING CLOUD COMPUTING
501. BUSINESS MOBILE BANKING
502. BUSINESS PROCESS MANAGEMENT SYSTEM (TOOL)
503. CAD MODEL RENDERING ON ANDROID
504. CALL MODEL DESIGNING TOOL
505. CAM: CLOUD-ASSISTED PRIVACY PRESERVING MOBILE HEALTH MONITORING
506. CAMPAIGN ANALYTICS IN TELECOMMUNICATION
507. CAN BASED COMMUNICATION PROTOCOL FOR A PERVASIVE SYSTEM IN AUTOMOBILES
508. CAPTCHA EVALUATOR TOOL
509. CAR BREAKDOWN ASSISTANCE SYSTEM
510. CAR PARKING ALLOTMENT SYSTEM
511. CARDIAC RE-ORIENTATION IN TRUED
512. CASE STUDY ON PMIC AND ITS DRIVER DESIGN
513. CASE STUDY ON SIM SPECIFICATIONS AND SIM CARD READER DESIGN
514. CASE STUDY ON SOFTWARE TEST OPTIMIZATION & TEST EFFECTIVENESS
515. CENSUS DATA ANALYSIS AND FORECASTING
516. CENTRALIZED ALERT TOOL
517. CENTRALIZED AUTHENTICATION USING LIGHTWEIGHT DIRECTORY ACCESS PROTOCOL (LDAP)
518. CENTRALIZED CONTROL UI
519. CHALLENGES AND BEST PRACTICES IN MSBI AUTOMATION TESTING
520. CHALLENGES IN TESTING DISTRIBUTED APPLICATIONS, A TEST AUTOMATION SOLUTION
521. CHANGE MANAGEMENT PROCESS AND WEB REPORTING FOR USER REQUEST
522. CHARITY ONLINE. A WEBSITE TO DO CHARITY TO PEOPLE IN NEED
523. CHAT PLUGIN USING SIGNALR
524. CHEQQR

525. CHEQUE TRUNCATION SYSTEM
526. CIBA VISION
527. CITIZEN MASTER DATA MANAGEMENT SYSTEM (USING MDM WEB SERVICE INTEGRATION)
528. CLIENT BASED PROXY SELECTION APPROACH USING UNIDIRECTIONAL PROXY RE-ENCRYPTION SCHEMES FOR SECURE DATA TRANSFER
529. CLINIC ELECTRONIC MEDICAL RECORDS AND OPERATIONS (CLEO)
530. CLOUD BASED DATA WAREHOUSE SOLUTION FOR ENTERPRISE
531. CLOUD BASED FILE SHARING SYSTEM
532. CLOUD BASED FRAMEWORK FOR DYNAMIC RESERVATION OF RESOURCES
533. CLOUD BASED HOMES MONITORING SOFTWARE FOR DISADVANTAGED CHILDREN
534. CLOUD BASED INTELLIGENT BUSINESS PROCESS DESIGN FRAMEWORK FOR SMALL AND MEDIUM ENTERPRISES
535. CLOUD BASED PARTNER RELATIONSHIP MANAGEMENT SYSTEM
536. CLOUD BASED PRESCRIPTION FOR PATIENT PRESCRIPTION AND POST PROCESSING OF IMAGES
537. CLOUD BASED SMART LICENSING INFRASTRUCTURE ACROSS NETWORKING DEVICES
538. CLOUD COMPETENCE SCAFFOLDING
539. CLOUD COMPUTING
540. CLOUD COMPUTING - THE TECHNOLOGY & ITS SECURITY
541. CLOUD COMPUTING DATA SECURITY
542. CLOUD COMPUTING FOR INDUSTRIAL AUTOMATION
543. CLOUD COMPUTING: MONITORING AND PERFORMANCE MANAGEMENT
544. CLOUD CONFIGURATION FOR SURGERY
545. CLOUD DATA ANALYSIS, SECURITY AND LOG MANAGEMENT
546. CLOUD ENABLEMENT PLATFORM (CLEP)
547. CLOUD HIERARCHICAL KEY ASSIGNMENT: A CRYPTOGRAPHIC APPROACH FOR HIERARCHICAL ACCESS CONTROL IN CLOUD COMPUTING
548. CLOUD LIFECYCLE SERVICES INTERACTIVE CHARTING & REPORTING
549. CLOUD MIGRATION FACTORY
550. CLOUD RESOURCE DISCOVERY SERVICE FOR OPENSTACK CLOUD INFRASTRUCTURE
551. CLOUD RETAIL SERVICES
552. CLOUD SERVICES FOR EDA PRODUCT EVALUATION & DEMONSTRATION
553. CLOUD VIRTUAL MACHINE MANAGER
554. CLOUD-BASED PERFORMANCE TESTING
555. CLOUDS ENABLING M2M COMMUNICATION - AN IDEA FOR EVOLUTION
556. CLUSTER MANAGEMENT SERVICE
557. CLUSTERING HIGH DIMENSIONAL DATA
558. CLUSTERING SENTENCE-LEVEL TEXT USING A NOVEL FUZZY RELATIONAL CLUSTERING ALGORITHM
559. COLLABORATION IN MULTI CLOUD COMPUTING ENVIRONMENTS FRAMEWORK AND SECURITY ISSUES
560. COLLABORATIVE API MOCK DEVELOPMENT PLATFORM
561. COLLABORATIVE INFORMATION SYSTEM ON CLOUD
562. COLOUR GUIDED COLOUR IMAGE STEGANOGRAPHY
563. COMINT SYSTEM FOR MILITARY APPLICATION COMINT SYSTEM FOR MILITARY APPLICATION COMINT SYSTEM FOR MILITARY APPLICATION
564. COMMERCE ANYWHERE –API GATEWAY TO COMMERCE PLATFORM
565. COMMUNICATION SATELLITE DAILY COMMAND SCHEDULE GENERATION SOFTWARE
566. COMPARABLE ENTITY MINING FROM COMPARATIVE QUESTIONS
567. COMPARATIVE ANALYSIS OF TEST SET OF IMAGE PROCESSING ALGORITHMS ON DIFFERENT PROCESSOR ARCHITECTURES.
568. COMPARATIVE ANALYSIS OF WIRELESS PROTOCOL STANDARDS FOR LOW POWER, LOW ENERGY INTERNET OF THINGS (IOT) APPLICATIONS
569. COMPARATIVE STUDY OF MULTI-FACTOR AUTHENTICATION TECHNIQUES FOR “ELECTRONIC FUND TRANSACTION” IN PAYMENT INDUSTRY AND DEVELOPMENT OF PROTOTYPE SYSTEM FOR USSD BASED 2-FACTOR AUTHENTICATION GATEWAY.
570. COMPARE FREQUENT ITEM SET MINING ALGORITHMS AND GENERATE ASSOCIATION RULE ON LARGE DATA SETS

571. COMPARISON OF MODELS
572. COMPETITIVE PRICING ANALYSIS IN INSURANCE
573. COMPLAINTS SOLUTION – DYNAMICS CRM
574. COMPONENTIZATION OF CODE IN LMS IMAGINE.LAB AMESIM: DEFINE STEPS TO CREATE A GOOD DESIGN
575. COMPONENTIZATION OF NEIGHBOUR DISCOVERY PROTOCOL IN JUNOS KERNEL
576. COMPONENTS BASED SOFTWARE DEVELOPMENT - CHALLENGES WITH RESPECT TO COMPONENT DESIGN, SELECTION AND INTEGRATION.
577. COMPRESSION TECHNIQUES IN WEB SERVICES
578. COMPUTER NETWORKING
579. CONCEPTUAL ANALYSIS OF DATA MODEL AND DEVELOPMENT OF A DATA WAREHOUSE
580. CONFIGURATION MANAGEMENT DATABASE
581. CONFIGURATION MANAGEMENT USING NETCONF
582. CONSERVATION OF INFORMATION ON ELECTRONIC MEDICAL RECORD (EMR) SYSTEMS
583. CONSUME GENOME GRAPH – SCALABLE, GRAPH API FOR PERSONALIZATION PLATFORM
584. CONTACT CENTER DESIGN AND IMPLEMENTATION (VOICE, MULTIMEDIA & SOCIAL MEDIA CHANNELS)
585. CONTENT AGGREGATION AND EFFICIENT INDEXING, SEARCH FOR ENTITY MANAGEMENT SYSTEM
586. CONTEXT AWARE COMMERCE – HARNESSING CUSTOMER'S LOCATION FOR PRECISION MARKETING
587. CONTEXT AWARE PLATFORM WITH BLUETOOTH LOW ENERGY (BLE) DEVICES
588. CONTEXT AWARENESS ENGINE FOR PROMOTIONAL MESSAGES (SMS)
589. CONTEXT BASED MODEL FOR DATA LEAKAGE PREVENTION
590. CONTEXT SENSITIVE AUTO AGGREGATOR TOOL TO CATEGORIZE THE CRITICAL BUG FIXES FOR OPEN SOURCE PRODUCTS
591. CONTEXT SENSITIVE PROFILE HANDLER
592. CONTINUOUS LINKED SETTLEMENT
593. CONTROL SOFTWARE FOR CNG BI-FUEL INJECTION SYSTEM
594. CONVERSION OF TOUCH BASED GUI CONTROL PANEL TO KEYPAD BASED GUI CONTROL PANEL
595. COPPER VOICE MIGRATION
596. CORE BANKING IN THE CLOUD – CLOUD COMPUTING IN BANKING AND FINANCE INDUSTRY; POSSIBILITIES, CHALLENGES AND THE ROAD AHEAD.
597. CORPORATE CREDIT ANALYSIS
598. COST & RISK BASED OPTIMAL "SELECTION OF CREW" FOR FLIGHT OPERATION
599. COST EFFECTIVE TESTING AND IMPROVEMENT IN QUALITY ASSURANCE PROCESS
600. COST MINIMIZATION FOR BIG DATA PROCESSING IN GEO- DISTRIBUTED DATA CENTERS
601. COTPLUS DASHBOARD
602. COVERAGE EFFICIENCY THROUGH PAIR WISE TESTING
603. CREATE A SCALABLE AND CONVERGED API SERVER
604. CREATE AUTOMATION, PERFORMANCE AND STRESS TESTING FRAMEWORKS FOR NEW FEATURES TO BE DELIVERED TO A CUSTOMER
605. CREDIT CHECK AND DECISIONING INTERFACE FOR BANKING
606. CRITICAL WEB APPLICATION SECURITY VULNERABILITIES AND REMEDIES
607. CRM DISCONNECTED MOBILE FRAMEWORK
608. CRM IMPLEMENTATION IN BANKS
609. CROSS SITE SCRIPTING DESIGN AND IMPLEMENTATION
610. CROSS SITE SCRIPTING: POSSIBILITIES OF INJECTION AND STRATEGIES TO AVOID FATALITY.
611. CSR CENTRAL
612. CUSTOM ADD-IN FOR SOLID-EDGE APPLICATION
613. CUSTOMER FORUM TRACKING SYSTEM USING ASP.NET AND SQL SERVER CONNECTION
614. CUSTOMER IMPACT ASSESSMENT (CIA)
615. CUSTOMER QUOTE MANAGEMENT (CQM)
616. CUSTOMIZE CRM TOOL FOR CARDEKHO.COM
617. CUSTOMIZED BASH SHELL SCRIPTING PHYSICAL TO VIRTUAL MIGRATION TOOLKIT FOR LINUX
618. CUSTOMIZED JAVA BASED AUTOMATION FRAMEWORK FOR WEB APPLICATION
619. CUT & CROSS

- 620. CYBER SECURITY ANALYSER AND REPORTER
- 621. CYBER SECURITY ON EMBEDDED SYSTEMS
- 622. DAMAGE IMPACT ANALYSIS MOBILE APPLICATION FOR LOGISTICS
- 623. DATA ADMIN TOOL
- 624. DATA ANALYSIS USING A HADOOP CLOUD
- 625. DATA ANALYTICS USING DATAWAREHOUSE IN RETAIL/ECOMMERCE
- 626. DATA CLUSTERING USING HADOOP MAPREDUCE
- 627. DATA COMPARATOR BETWEEN XML-DATABASE AND FILE USING XPATH
- 628. DATA DRIVEN MARKETING ANALYSIS BEYOND LAST TOUCH
- 629. DATA DRIVEN TEST AUTOMATION OF A WEB APP. USING SELENIUM WEB DRIVER
- 630. DATA ENCODERS - THREAT TO INFORMATION SECURITY
- 631. DATA INTEGRITY PROOFS IN CLOUD STORAGE
- 632. DATA MASKING SOLUTION
- 633. DATA MINING FOR TARGETING BEHAVIORAL CUSTOMER
- 634. DATA MINING IMPLEMENTATION FOR PREDICTION AND DECISION MAKING IN HEALTH CARE
- 635. DATA MINING IN TELECOMMUNICATION INDUSTRY
- 636. DATA PRIVACY INFRASTRUCTURE: MASKING OF DATA USING DIFFERENT DYNAMIC DATA MASKING TECHNIQUES FOR WEB APPLICATIONS
- 637. DATA PROCESSING FRAMEWORK
- 638. DATA QUERY TOOL USING PERL AND SYBASE UTILITIES (APPLICATION SPECIFIC)
- 639. DATA SECURITY AND DATA FORENSIC IN CLOUD COMPUTING
- 640. DATA SECURITY IN CLOUD ENVIRONMENT PERTAINING TO DEFENSE SERVICES
- 641. DATA SECURITY ON CLOUD COMPUTING USING JAVA
- 642. DATA USAGE CONTROLLER AND MONITOR FOR ANDROID HANDSETS
- 643. DATA WAREHOUSE – DATA QUALITY ENGINE
- 644. DATA WAREHOUSE ON CLOUD FOR DATA ANALYSIS
- 645. DATABASE APPLICATIONS: UTILIZATION AND REPORTING
- 646. DATABASE COMPARATOR
- 647. DATABASE EXTRACTION AND REPLICATION WITH ISPF PANEL BASED INTERFACE FOR LEGACY SYTEMS
- 648. DATABASE MANAGEMENT SYSTEM,A CONTRASTIVE STUDY OF THE TECHNOLOGY AND ITS PRODUCTS.
- 649. DATABASE MAPPING AND QUERY REPOSITORY
- 650. DATACENTER MODERNIZATION - CAPABILITY DESIGN FOR TRANSFORMATION
- 651. DATAWAREHOUSE AND QUANTITATIVE RISK MANAGEMENT (QRM) IMPLEMENTATION FOR BANKING DOMAIN
- 652. DATAWAREHOUSING SOLUTION FOR INTELLIGENT MONTHLY STOCK ALLOCATION
- 653. DB (DATABASE) DIFFERENCE INCORPORATION
- 654. DBCA REDESIGN AND ENHANCEMENTS FOR DATABASE 12.2
- 655. DECENTRALIZED CLOUD STORAGE FOR CONTENT DELIVERY NETWORK
- 656. DECENTRALIZED INFORMATION SHARING & USAGE FRAMEWORK
- 657. DECISION SUPPORT SYSTEM FOR AGRICULTURE
- 658. DECISION TREE BASED DEBUGGING TOOL
- 659. DECOY FIRE CONTROL SYSTEM
- 660. DEEP PACKET INSPECTION
- 661. DEFECT REPORT AUTOMATION-AUTOMATING DEFECTS REPORT FROM QC(QUALITY CENTER) USING COM4JAPI,OTACLIENT,CRON JOB,ANT BUILD AND JAVA
- 662. DEFINING AND IMPLEMENTING ALTERNATE PRICING MODELS
- 663. DELIGHTING THE CUSTOMER SHOPPING EXPERIENCE USING MOBILE BASED NFC TECHNOLOGY
- 664. DE-PERSONALIZING THE CONFIDENTIAL DATA
- 665. DEPLOY TC SERVER AND DEVELOP TOOL SET TO EASY TO USE INTERFACE FOR DEVELOPER AND ADMINISTRATOR.
- 666. DEPLOYMENT AUTOMATION FOR ORACLE FUSION APPLICATIONS
- 667. DEPLOYMENT AUTOMATION ON DISTRIBUTED SYSTEMS

668. DESIGN & DEVELOPMENT OF VIRTUAL FILE SYSTEM MINI FILTER KERNEL DRIVER AND PROVIDE STANDARD SERVICES API'S TO USER MODE.
669. DESIGN & IMPLEMENTATION OF A CORPORATE TALENT MANAGEMENT SOLUTION WHICH ENABLES SMOOTH OPERATION AND HIGHER PRODUCTIVITY
670. DESIGN & IMPLEMENTATION OF AUTOMATED TESTING FOR A BACKEND SOFTWARE SYSTEM
671. DESIGN A CONTROL AND DATA FLOW GRAPH VIEWER BASED ON QT AND USING GRAPHVIZ PLACEMENT ALGORITHM.
672. DESIGN AND CONSTRUCTION OF PORTAL FOR AAA (AUTHENTICATION, AUTHORIZATION AND ACCOUNTING)
673. DESIGN AND DEVELOP A TOOL WHICH WILL AUTOMATE ANALYSIS PHASE OF SOFTWARE SYSTEM
674. DESIGN AND DEVELOPMENT OF A WEB APPLICATION USING RESPONSIVE WEB DESIGN
675. DESIGN AND DEVELOPMENT OF CRIME ANALYST SYSTEM
676. DESIGN AND DEVELOPMENT OF EFFECTIVE TEST AUTOMATION FRAMEWORK FOR WEB
677. DESIGN AND DEVELOPMENT OF ELECTRONIC COMPONENT MANAGEMENT SYSTEM FOR LAUNCH VEHICLE PACKAGES
678. DESIGN AND DEVELOPMENT OF EMAIL MONITORING MODULE FOR MS OUTLOOK MAC EMAIL CLIENT FOR DATA LOSS PREVENTION.
679. DESIGN AND DEVELOPMENT OF GRAPHICAL USER INTERFACE FOR BUILDING SNORT RULES
680. DESIGN AND DEVELOPMENT OF HOTSPOT FEATURE IN ARRIS'S DOCSIS 3.0 CABLE MODEM GATEWAYS
681. DESIGN AND DEVELOPMENT OF PROJECT MANAGEMENT SOLUTION FOR IN-HOUSE BUG AND TASK TRACKING APPLICATION
682. DESIGN AND DEVELOPMENT OF REAL TIME EXECUTIVE SOFTWARE FOR ONBOARD COMPUTERS OF LAUNCH VEHICLES
683. DESIGN AND DEVELOPMENT OF SECURE PORTABLE STORAGE DRIVE
684. DESIGN AND DEVELOPMENT OF TESTCHIP ON 14 FINFET TECHNOLOGY NODE
685. DESIGN AND DEVELOPMENT OF USER INTERFACE FOR PAPER REUSING DEVICE
686. DESIGN AND IMPLEMENT MODEL VIEW CONTROLLER APPLICATION (MVC) FOR ENTERPRISE INFORMATION PLATFORM (MCKESSON POPULATION MANAGER), AGGREGATING AND PRESENTING DATA FROM MULTIPLE SOURCES ACROSS THE PROVIDER (PHYSICIAN) NETWORK, INCLUDING ELECTRONIC HEALTH RECORDS (EHRS), PRACTICE MANAGEMENT SYSTEMS, PHARMACIES AND LABS.
687. DESIGN AND IMPLEMENT TOUCHSCREEN BASED ULTRASOUND SYSTEM
688. DESIGN AND IMPLEMENTATION OF A CLOUD BASED CRM APPLICATION
689. DESIGN AND IMPLEMENTATION OF AN ENTERPRISE DATA WARE HOUSE
690. DESIGN AND IMPLEMENTATION OF DISASTER RECOVERY OF DATA FROM PHYSICAL TAPE BACKUP USING SYMANTEC NETBACKUP.
691. DESIGN AND IMPLEMENTATION OF E-FORUM SITE
692. DESIGN AND IMPLEMENTATION OF MULTIPLE MODULES OF A SKILLSET PORTAL TO ENHANCE MOBILE PORTABILITY
693. DESIGN AND IMPLEMENTATION OF PRINT QUALITY INSPECTION ALGORITHM TO EXAMINE LABELS AND STICKERS
694. DESIGN OF DATA ANALYTICS FRAMEWORK
695. DESIGN OF FL/RL PILOT STRENGTH ATTENUATOR FOR WIRELESS CDMA/EVDO NETWORKS
696. DESIGN OF REDUNDANCY OF PAGING SYSTEM ON COMMUNICATION NETWORK
697. DESIGN OF SIMULATOR FOR SCHEDULING OF REAL TIME TASKS IN MULTIPROCESSOR ENVIRONMENT.
698. DESIGN OF SMART POWER SUPPLY SYSTEM FOR AUTOMATE ENERGY METER TESTING
699. DESIGN OF SOFTWARE HART MODEM USING LOW POWER MICROCONTROLLER
700. DESIGN OF WEB-BASED COMPONENTS USING CONTENT MANAGEMENT SYSTEM
701. DESIGNING A NETWORK SECURITY SOFTWARE BASED ON WINDOWS NDIS FRAMEWORK
702. DESIGNING AND INTEGRATION OF AIRWATCH COMPONENTS (SAAS) WITH ACTIVE DIRECTORY AND OFFICE 365 (CLOUD TECHNOLOGY)
703. DESIGNING SOCIAL MULTIMEDIA AGGREGATOR FOR ENTITIES
704. DESKTOP INTERNET SHIELD
705. DETECTING DISTRIBUTED DENIAL OF SERVICE ATTACK USING NEURAL NETWORK CLASSIFIER
706. DETECTING INTRUSIONS IN WEB APPLICATIONS
707. DETECTION AND REMOVAL OF BOTNETS USING HONEYPOT TECHNIQUE

- 708. DETECTION OF IPTV USER PROFILE AND IMPROVING INTELLIGENCE AT ONT IN GPON NETWORKS
- 709. DETECTION OF SAMSUNG LOGO IN VIDEOS AND IMAGES
- 710. DETECTION OF SAMSUNG LOGO IN VIDEOS AND IMAGES.
- 711. DEVELOP AN APPLICATION TO UPDATE SECURITY OF DOCUMENTS IN FILENET & INTEGRATE COGNOS RTM TO GENERATE OOTB REPORTS
- 712. DEVELOP INTERFACE TO INTEGRATE APPLICATIONS UPDATE THE DEMOGRAPHICS TRANSFORM AND MAP IN EAI WEBMETHODS
- 713. DEVELOPING A CONCEPTUAL SECURITY MODEL FOR THE CLOUD
- 714. DEVELOPING A TEAM MEMBER-"CONTINUOUS INTEGRATION FRAMEWORK"
- 715. DEVELOPING B2C E-COMMERCE WEBSITE
- 716. DEVELOPING REVENUE FORECASTING FINANCIAL MODEL USING COGNOS TM1 PERFORMANCE MANAGEMENT TOOL
- 717. DEVELOPING SIGNAL PROCESSING ALGORITHMS FOR REAL TIME AUDIO ON SET TOP BOX PLATFORM
- 718. DEVELOPMENT AND MAINTENANCE OF GAME LOGIC SERVER
- 719. DEVELOPMENT OF AN EFFICIENT ELLIPTIC CURVE CRYPTOGRAPHY ALGORITHM.
- 720. DEVELOPMENT OF AN EVOLUTIONARY METHODOLOGY BASED ON MODIFIED V-MODEL FOR IMPLEMENTATION OF ENTERPRISE APPLICATION SUITE BASED APPLICATIONS
- 721. DEVELOPMENT OF AN IN-HOUSE FRAMEWORK FOR ENABLING DATA COMMUNICATION ACROSS MULTIPLE NETWORK PROTOCOLS.
- 722. DEVELOPMENT OF AUTOMATION TOOL FOR TYPE TESTING ETHERNET IP COMMUNICATION INTERFACE IN DISTRIBUTED CONTROL SYSTEMS.
- 723. DEVELOPMENT OF BACKUP ADVISOR TOOL FOR BACKUP INFRASTRUCTURE DESIGN
- 724. DEVELOPMENT OF CLAIM ADJUDICATION SYSTEM FOR HEALTHCARE INDUSTRY
- 725. DEVELOPMENT OF CONTENT MANAGEMENT SYSTEMS
- 726. DEVELOPMENT OF GUI FOR BATCH APPLICATION & FOR ONLINE TRANSACTIONS IN MAINFRAMES.
- 727. DEVELOPMENT OF IN VEHICLE NETWORK BASED ON TIMING ANALYSIS
- 728. DEVELOPMENT OF LINUX KERNEL SOCKET MODULES FOR DATA STREAMING BETWEEN TWO SYSTEMS
- 729. DEVELOPMENT OF LOW LEVEL SYNTHETIC BENCHMARK FOR HADOOP-MAPREDUCE FRAMEWORK FROM APPLICATION PERSPECTIVE.
- 730. DEVELOPMENT OF MODEM INTERFACE LAYER FOR ERICSSON'S THIN MODEM SOLUTION
- 731. DEVELOPMENT OF MYBOOKINGS BY INTEGRATING WITH DIFFERENT ONLINE TRAVEL PRODUCTS
- 732. DEVELOPMENT OF NAVAL WARGAMING SIMULATOR FOR INDIAN MILITARY
- 733. DEVELOPMENT OF SET OF OPTIMIZED PERFORMANCE CUSTOM HELPERS FOR ASP.NET MVC FRAMEWORK FOR APPLICATION DEVELOPMENT.
- 734. DEVELOPMENT OF TOOL FOR TRACING CODE AT RUNTIME TO IDENTIFY PERFORMANCE BOTTLENECK & IMPROVE STABILITY FOR ENTERPRISE APPLICATIONS USING SHIFT LEFT STRATEGY IN AGILE METHODOLOGY
- 735. DEVISING A CLOUD BASED ARCHITECTURE FOR IT IMPLEMENTATION IN POWER DISTRIBUTION UTILITIES.
- 736. DIAGNOSTICS BOOTLOADER FOR EMBEDDED SYSTEMS
- 737. DIAL PROTOCOL CONFORMANCE TEST SUITE IN PYTHON
- 738. DIAMETER-PROXY MASTER-SLAVE MODE DESIGN
- 739. DIGITAL MEDIA SERVER
- 740. DIGITAL MEDIA, PRINT AND PUBLISHING
- 741. DIGITAL SIGNING AND ENCRYPTION OF DATA AND TRANSFER BETWEEN TWO JAVA CLIENTS
- 742. DIRECTORY MANAGER
- 743. DISASTER RECOVERY SOLUTION IN SCALE OUT CLUSTERED STORAGE
- 744. DISPUTE OPERATIONS SMART TRACKING INTERFACE (DOSTI)
- 745. DISTANCE BASED PERTURBATION FOR PRIVACY PRESERVATION
- 746. DISTRIBUTED COMPUTING BASED WEB LOG ANALYZER
- 747. DISTRIBUTED COMPUTING USING MULTICAST
- 748. DISTRIBUTED DEPLOYMENT OF CONVERGENT RATING, CHARGING AND BILLING SYSTEM THROUGH AUTOMATED SCRIPT
- 749. DISTRIBUTED FILE SYSEYEM
- 750. DISTRIBUTED H-MINE IN HDFS

751. DISTRIBUTED JOB SCHEDULER
752. DNA MICRO ARRAY IMAGE PROCESSING
753. DNS ASSISTED SIGNATURE IDENTIFICATION FOR CLASSIFYING ENCRYPTED TRAFFIC.
754. DOCUMENT TAGGING AND FIELD GENERATION
755. DOCUMENT'S SECURITY
756. DOSE MANAGEMENT – PROPOSE OPTIMAL SCAN PARAMETER
757. DPL AUTOMATION FOR ERICSSON INDIA
758. DRIVER ALERTNESS MONITORING USING FUSION OF FACIAL FEATURES AND BIO SIGNALS
759. DRIVING ANALYTICS AND DRIVER HEALTH MONITORING SYSTEM
760. DROOLS: BUSINESS RULE MANAGEMENT SYSTEM
761. DUNNING AND INVOICING IN FSCD - COLLECTIONS AND DISBURSEMENTS MODULE
762. DVB TERRESTRIAL SOFTWARE TELETEXT DECODER FOR SET TOP BOX
763. DYNAMIC DASHBOARD
764. DYNAMIC LOAD BALANCING BASED ON END TO END PATH UTILIZATION METRICS
765. DYNAMIC RESOURCE ALLOCATION IN CLOUD COMPUTING (IAAS)
766. DYNAMIC SECURITY ASSET CLASSIFICATION ENGINE FOR CLIENT REPORTING
767. E- BUSINESS AND EFFICIENT B2B INTEGRATION
768. ECLAIM” – STANDARDIZED PLATFORM FOR HEALTH INSURANCE CLAIM PROCESSING
769. E-COMMERCE SITE DEVELOPMENT USING SERVER SIDE RESPONSIVE WEB DESIGN WITH CONTENT OPTIMIZATION (RESS)
770. EDGE POLICY ENFORCEMENT USING SOFTWARE DEFINED NETWORKING
771. EFFECTIVE APPROACH TO CONFIGURATION TEMPLATE IN NETWORKING
772. EFFECTIVE CALL ROUTING
773. EFFECTIVE DATING
774. EFFICIENT AND SECURED COMMUNICATION AND INFO-TECH INFRASTRUCTURE PROCUREMENT & PROJECT MANAGEMENT SYSTEM FOR INDIAN ARMY
775. EFFICIENT LOGGING FRAMEWORK FOR BETTER DEBUGGABILITY OF UMTS NODEB
776. EFFICIENT PER-FLOW PACKET PATH IDENTIFICATION IN SDN
777. EFFICIENT TEAM MANAGEMENT USING TTRACKER
778. EFFICIENT WAY OF AUTOMATING REST WEBSERVICES USING SCHEMA VALIDATION
779. EHELPLINE - TEST AUTOMATION
780. ELDER STEP
781. ELECTRICITY RECHARGE VOUCHER SYSTEM
782. ELECTRONIC BUSINESS PROCESS MANAGEMENT – TRAVEL AND EXPENSE
783. ELECTRONIC CABIN CREW FORMS
784. ELECTRONIC MEDICAL RECORD PROOF OF CONCEPT FOR DRUG DELIVERY SYSTEM
785. ELECTRONIC PROCUREMENT SYSTEM
786. ELECTRONIC PROCUREMENT SYSTEM
787. ELECTRONIC SUBMISSION: APPROPRIATENESS
788. ELECTRONIC WARFARE RADAR SIMULATOR
789. EMAIL ARCHIVING ON CLOUD
790. EMAIL CAMPAIGNING IN CALLPRO CRM
791. EMAIL PATTERN RECOGNITION AND RESPONSE SYSTEM
792. EMBEDDED WEB SERVER FOR HOME AUTOMATION
793. EMERGENCY WARNING SYSTEMS IN STB TO ALERT PEOPLE FOR EMERGENCIES
794. EMERGING TRENDS IN DATA CENTER NETWORKING: ENHANCEMENT OF IS-IS CONVERGENCE TIME IN THE LOW LATENCY, HIGHLY SCALABLE QFABRIC SWITCH
795. EMERGING TRENDS IN POWER OVER ETHERNET
796. EMPLOYEE AWARDS AUTOMATION
797. EMPLOYEE PROVIDENT FUND ORGANISATION INTERNET GRIEVANCE MANAGEMENT SYSTEM
798. EMPLOYEE VACATION REPORTS
799. EMULATED CDU (ECDU)
800. ENABLE RTSP PLAYBACK USING GSTREAMER
801. END TO END AUTOMATION OF PATCH PRODUCTION AT SAP

802. ENERGY EFFICIENT, POWER MANAGEMENT FOR MOBILE ADHOC NETWORK
803. ENERGY MONITORING AND VISUALIZATION SERVICES
804. ENERGY UTILIZATION USING SMART METERS
805. ENGINE INTEGRATION TEST AUTOMATION
806. ENGLISH GRAMMAR RULE ENGINE BASED NATURAL LANGUAGE PROCESSING
807. ENHANCE ELECTRONIC DESIGN AUTOMATION APPLICATION USING DATA BASES AND PARALLEL PROCESSING.
808. ENHANCED CLOUD SECURITY USING HOMOMORPHIC TOKEN - AN INNOVATIVE RESEARCH
809. ENHANCED COMPRESSION AND STORAGE OF AUDIO FILES ON CLOUD USING CODE-EXCITED LINEAR PREDICTION (CELP)
810. ENHANCED FIELD FORCE AUTOMATION FRAMEWORK FOR ELECTRIC VEHICLE CHARGE STATION MONITORING & MAINTENANCE
811. ENHANCED NEEDLE VISUALIZATION FOR ULTRASOUND SYSTEMS.
812. ENHANCED NETWORK DATA ANALYSIS FOR EDGE ROUTER USING IPDR
813. ENHANCEMENT TO MININET
814. ENHANCEMENTS IN NEC NETWORK SECURITY THROUGH L2 ENCRYPTION
815. ENHANCING CPU PERFORMANCE IN CLOUDCROWD ARCHITECTURE
816. ENHANCING THE USER PERFORMANCE IN A MULTICAST SCENARIO USING APPLICATION LEVEL OVERLAY MULTICAST SYSTEM
817. ENSURING DATA DISASTER SENSING USING CLOUD COMPUTING INFRASTRUCTURE
818. ENSURING DISTRIBUTED ACCOUNTABILITY FOR DATA SHARING IN THE CLOUD.
819. ENTERPRISE APPLICATION GOVERNANCE FRAMEWORK - PROCESSES, AUTOMATION TOOLS AND REPORTING MODELS
820. ENTERPRISE APPLICATION LIFE-CYCLE MANAGEMENT SYSTEM
821. ENTERPRISE CLOUD CUSTOMER INCIDENT ANALYZER
822. ENTERPRISE CONTENT SEARCH FRAMEWORK
823. ENTERPRISE INFORMATION MANAGEMENT ON MOBILE
824. ENTERPRISE INTERFACE GATEWAY
825. ENTERPRISE MDM IMPLEMENTATION
826. ENTERPRISE METRICS AUTOMATION SYSTEM (EMAS)
827. ENTERPRISE MOBILE APP USING ORACLE FUSION
828. ENTERPRISE PRICING SOLUTIONS(EPS)
829. ENTERPRISE SCALE AUDIO-VIDEO SYSTEM USING WEBRTC
830. ENTERPRISE SOFTWARE AS A SERVICE (SAAS) INTEGRATION USING RESTFUL SERVICES AND OAUTH
831. ENTERPRISE SOLUTION TO INCREASE AND IMPROVE CARD PAYMENT TRANSACTION SECURITY.
832. ENTITY LINKING TO PRODUCE LINKED DATA FROM PLAIN TEXT
833. E-PAL MESSENGER
834. E-PAYMENT (STRAIGHT THROUGH PAYMENT PROCESSING ENGINE)
835. EQUIPMENT DATA VISUALIZATION SYSTEM
836. ERP APPLICATION FOR RESOURCE MANAGEMENT
837. ERP BASED E-RETAIL APPLICATION
838. E-SIGN – ONLINE DOCUMENT SIGNATURE SERVICE
839. E-SOLUTIONS
840. ESTIMATION MODEL
841. ETHERNET PROVISIONING AND ACTIVATION SOFTWARE SYSTEM
842. ETL APPLICATION TO EXTRACT DATA FROM DATA WAREHOUSE FOR ANALYTICS
843. ETL WORKFLOW CONVERTER FOR SAGENT DATA FLOW
844. ETTS - EMPLOYEE TIME TRACKING SYSTEM
845. EVALET
846. EVALUATION AND DESIGN FOR MIGRATING SINGLE-TENANT APPLICATIONS TO MULTI-TENANT
847. EVALUATION OF ADAPTIVE DATA FUSION FOR ENERGY EFFICIENT ROUTING IN WIRELESS SENSOR NETWORKS
848. EXCEPTION/TRANSACTION PROCESSING SYSTEM'S DATA ANALYSIS WITH BIG DATA (HADOOP)
849. EXPERT TROUBLESHOOTING SYSTEM FOR DISTRIBUTED ENVIRONMENT

- 850. EXPLOITING FRIENDSHIP RELATIONS FOR EFFICIENT ROUTING IN MOBILE SOCIAL NETWORKS
- 851. EXPLORE,EXPERIENCE AND EXCHANGE PORTAL
- 852. EXPLORING NETWORK FAULT TOLERANCE USING MULTIPLE DEVICES WITH MULTIPATH TCP
- 853. EXPLORING THE INTRICACIES OF PERFORMANCE TESTING ON CLOUD COMPUTING
- 854. EXTENSIBILITY AND PERFORMANCE SUPPORT FOR ALERT SYSTEM.
- 855. FACE AND AIR GESTURE CONTROLS
- 856. FACE RECOGNITION APP USING ANDROID PLATFORM
- 857. FACE RECOGNITION BASED ON PCA ALGORITHM
- 858. FAST ROUTING ENGINE ON LINUX
- 859. FASTEST WAY TO LEVERAGE IN-MEMORY COMPUTING PLATFORM: SAP HANA SYSTEMS IN CLOUD
- 860. FAULT NODE RECOVERY ALGORITHM FOR A WIRELESS SENSOR NETWORK
- 861. FAULT TOLERANT DIGITAL CONTROLLER FOR CONTROL ACTUATION SYSTEMS OF LAUNCH VEHICLES
- 862. FEATURE INSTALLATION THROUGH KEYS
- 863. FEEDBACK SOCIALLY
- 864. FIELD SALES SOLUTION IN CRM
- 865. FINANCE, RISK AND TREASURY TRANSFORMATION
- 866. FINDING FREQUENT TOPICS/PATTERNS IN USER CLICK/VIEW HISTORY OF THE SITE SHOPPING.YAHOO.COM TO BUILD EFFECTIVE PAGE CONTENTS/URLS.
- 867. FINE TUNED AUDIT OF ENTERPRISE DATA
- 868. FLEXIBLE PROVISIONING AND INTEGRATED LOAD BALANCING OF RESOURCES IN THE CLOUD.
- 869. FLIGHT INFORMATION DISPLAY SYSTEM
- 870. FLYPP – MOBILE APP STORE – DATA ANALYSIS
- 871. FOCAL TOOL
- 872. FORECASTING MODEL SELECTION USING DATA MINING TECHNIQUES
- 873. FRAMEWORK FOR AUTOMATED INSPECTION OF NETWORK FLOWS
- 874. FRAMEWORK FOR MULTIPLE WEIGH MODULE COMMUNICATION
- 875. FRAMEWORK FOR PORTABILITY & INTEROPERABILITY IN CLOUD PAAS ENVIRONMENT WITH PRIMARY FOCUS ON APPLICATION PORTABILITY.
- 876. FRAUD MANAGEMENT OF CREDIT CARD
- 877. FRESHBOT
- 878. FRONT END SCHEMATIC DESIGN EXTRACTION AND VERIFICATION UTILITY
- 879. FTP ENHANCEMENT IN DATA WAREHOUSING FOR HANDLING REQUESTS FROM MULTIPLE SERVERS
- 880. FUNCTION POINT ANALYZER
- 881. FUNCTIONAL AUTOMATION OF NAVIGATION FEATURE FOR RADIO NAVIGATION SYSTEM
- 882. FUNCTIONAL PROGRAMMING LANGUAGE F# WITH DATA SCIENCE SYSTEM MICROSOFT EXCEL
- 883. FUTURE OF CLOUD COMPUTING AND WHY IT'S HERE TO STAY
- 884. GCM (GOOGLE CLOUD MESSAGING) FOR ANDROID
- 885. GENERIC APPLICATION FRAMEWORK FOR ELECTRONIC WARFARE SYSTEM
- 886. GENERIC FRAMEWORK DEVELOPMENT TO READ AND PROCESS XML FILES FROM ABINITIO QUEUE - USING AB-INITIO,AN ETL TOOL
- 887. GENERIC REPORTING TOOL FOR APRM
- 888. GEO LOCATION TRACKER
- 889. GESTURE AND SPEECH IN CONTROL FOR LABVIEW
- 890. GLOBALTRADE
- 891. GPS BASED OFC JOINT LOCATOR
- 892. GPS BASED VEHICLE TRACKING SYSTEM
- 893. GPU TASK MANAGER FOR WORKSTATION APPLICATIONS
- 894. GPU VIRTUALIZATION FOR HIGH PERFORMANCE COMPUTING
- 895. GROUP MESSAGING AND CHAT SYSTEM FOR MOBILE DEVI ECS WITHOUT INTERNET
- 896. GROWING NEED OF MEDIATION SYSTEM ON TOP OF TELECOM BILLING SYSTEM AND ITS IMPLEMENTATION
- 897. GSM BASED HOME AUTOMATION AND SECURITY SYSTEM
- 898. GUARANTEED COLLABORATIVE FILE SHARING FOR DYNAMIC GROUPS IN CLOUD

899. HADOOP ANALYTICS FOR RESOURCE PLANNING
900. HADOOP IN BUSINESS INTELLIGENCE
901. HADOOP VS. IN HOUSE CLUSTER - A FRAMEWORK COMPARISON
902. HARMAN SMARTLINK
903. HEALTH & FITNESS HANDBOOK
904. HEALTHMATE APPLICATION
905. HETEROGENEOUS (ONE –TO-MANY)CLOUD BURSTING SOLUTION FOR APPLICATION RESOURCE BROKER
906. HIDDEN MARKOV MODEL BASED EFFICIENT HUMAN ACTIVITY RECOGNITION SYSTEM
907. HIGH AVAILABILITY CLUSTER WITH NAS SERVERS
908. HIGH PERFORMANCE ANALYTICS AND DATA MANAGEMENT FOR BUSINESS INTELLIGENCE.
909. HISTOGRAM SUPPORT FOR CPU, BUFFER AND MEMORY IN BROCADE'S MUCHO OS
910. HISTORIAN AND OPC SERVER FOR A NEW CASTING LINE AND INTEGRATING WITH SCADA AND CORPORATE IT.
911. HISTORY PROTECTION IN GIT INTEGRATION
912. HOME SECURITY SYSTEM USING DLNA ENABLED SET-TOP-BOX
913. HOSPITAL MANAGEMENT
914. HOSPITAL MANAGEMENT SYSTEM
915. HOSPITAL RECORD MANAGEMENT SYSTEM FOR PRIMARY HEALTH CENTRE, KHAWBUNG, MIZORAM
916. HOST APPLICATION TO SUPPORT POLICING, PACKET MARKING, FLOW FILTERING AND REDIRECTION IN SDN NETWORK
917. HOUSEHOLD BUDGET ANALYZER
918. HOW CAN THE ACCESS LAYER BE DESIGNED WHEN USING COM. PROVE THE METHOD WITH ABB'S E3 SOFTWARE BY CREATING PLUGIN 'FIND AND REPLACE'
919. HOW TO REDUCE SOFTWARE TESTING COST USING AGILE
920. HTML/WEB BROWSER BASED REPORTING TOOL FOR PHILIPS ULTRASOUND SYSTEMS
921. HTML5 RECEIVER
922. HTTPLITE – A LIGHTWEIGHT EMBEDDED WEB SERVER
923. HUMAN FACE IDENTIFICATION USING BIOMETRICS
924. HYBRID FRAMEWORK FOR WEB APPLICATION TESTING
925. HYBRID SPEECH RECOGNITION SYSTEM FOR IN- VEHICLE INFOTAINMENT SYSTEMS
926. HYBRID TEST AUTOMATION FRAMEWORK FOR RESPONSIVE WEB APPLICATIONS IN CONTINUOUS INTEGRATION ENVIRONMENT
927. IBM URBAN CODE DEPLOY FOR CONTINUOUS DELIVERY SOLUTION
928. ICD-10 IMPLEMENTATION
929. IDENTIFICATION AND ANALYSIS OF COMBINED QUALITY ASSURANCE APPROACHES
930. IDENTIFICATION OF HEPATOCELLULAR CARCINOMA BIOMARKER FROM GENE EXPRESSION DATASETS USING SUPERVISED LEARNING ALGORITHMS
931. IDENTIFYING INTEGRATED CIRCUIT MANUFACTURING YIELD LIMITERS THROUGH FAILURE DATA CLUSTERING
932. IDENTITY PROVISIONING AUTOMATION USING WEB SERVICE
933. IDENTITY-BASED AUTHENTICATION FOR CLOUD COMPUTING
934. IFALL: FALL DETECTION AND ALERT SYSTEM
935. IFFCO FERTILIZER DISTRIBUTION IN INDIA - AN ANALYTICAL MODEL
936. IMAGE BASED SEARCH ENGINE FOR EFFICIENT RETRIEVAL OF IMAGES
937. IMAGE SCALING USING GPU
938. IMAGE STEGANOGRAPHY
939. IMPLEMENTATION AND TUNING OF MATCH PERFORMANCE IN MDM
940. IMPLEMENTATION OF 3GPP2 SMS OVER IMS IN MOBILE MODEM PLATFORM
941. IMPLEMENTATION OF A PROCESS PLANT IN DCS SYSTEM
942. IMPLEMENTATION OF AGILE SOFTWARE DEVELOPMENT
943. IMPLEMENTATION OF AN ELDERLY FALL MONITOR SYSTEM USING CONTENT INDEPENDENT IMAGE PROCESSING.
944. IMPLEMENTATION OF AUGMENTED REALITY CONCEPT FOR A BETTER LIFE STYLE.

945. IMPLEMENTATION OF AUTHORIZATIONS & CONTROLS FOR ENTERPRISE RESOURCE PLANNING APPLICATION(SAP)
946. IMPLEMENTATION OF COLOR IMAGE ENHANCEMENT WITH A HUMAN VISUAL SYSTEM BASED ADAPTIVE FILTER.
947. IMPLEMENTATION OF CONTACT CARD ON MICROSOFT LYNC COMPATIBLE PHONES.
948. IMPLEMENTATION OF COURT CASE MANAGEMENT SOLUTION
949. IMPLEMENTATION OF DEPLOY/INSTALLER FRAMEWORK FOR ENTERPRISE PRODUCT(S) ON WEB LOGIC APPLICATION SERVERS
950. IMPLEMENTATION OF FUNCTIONAL SAFETY IN AUTOMOTIVE EMBEDDED SOFTWARE.
951. IMPLEMENTATION OF GOLDENGATE WITH HA AND DEVELOP AN EASY TO USE INTERFACE FOR DEVELOPER AND DBA'S
952. IMPLEMENTATION OF GREEN API FOR XEROGRAPHIC PRINT ENGINE/IMAGE OUTPUT TERMINAL
953. IMPLEMENTATION OF INTER DOMAIN PACKET FILTERS TO THWART THE DISTRIBUTED DENIAL OF SERVICE ATTACKS IN INTERNET.
954. IMPLEMENTATION OF JAVA WEB SERVICES SECURITY BY SIGNING AND ENCRYPTING SOAP MESSAGES WITH USERNAMETOKEN AND KEYSTORE USING AXIS2 AND RAMPART
955. IMPLEMENTATION OF LIN CONNECTIVITY WITH AUTO BAUD RATE SYNCHRONIZATION FOR A DC MOTOR BASED ACTUATOR SYSTEM
956. IMPLEMENTATION OF LOCATION GUIDE
957. IMPLEMENTATION OF MOBILE METADATA ASSET MANAGEMENT FOR CENTRAL REPOSITORY IN INFORMATION SERVER
958. IMPLEMENTATION OF OBJECT TRANSFER PROFILE FOR BLUETOOTH SMART
959. IMPLEMENTATION OF OMX COMPLIANT VORBIS ENCODER ON ANDROID FRAMEWORK
960. IMPLEMENTATION OF ONLINE VOTING SYSTEM USING BLIND SIGNATURE
961. IMPLEMENTATION OF ORACLE PRODUCTS TO BUILD A REPORTING STRATEGY
962. IMPLEMENTATION OF PHOTO SYNC FUNCTIONALITY USING WI-FI DIRECT SERVICE DISCOVERY
963. IMPLEMENTATION OF RAPTORQ FORWARD ERROR CORRECTION TECHNIQUE FOR EVOLVED MULTIMEDIA BROADCAST MULTICAST SERVICE
964. IMPLEMENTATION OF REPORTING ENGINE FOR LIFERAY PORTAL SERVER
965. IMPLEMENTATION OF REPORTING FOR EMPLOYEE PERFORMANCE MANAGEMENT
966. IMPLEMENTATION OF REPORTING FRAMEWORK - DYNAMIC REPORT GENERATION IN FINACLE E-BANKING APPLICATION.
967. IMPLEMENTATION OF SAP SMART FINANCIALS ON SAP HANA
968. IMPLEMENTATION OF SYSTEM INFORMATION MODULE
969. IMPLEMENTATION OF VIRTUAL TAPES IN MAINFRAME Z/OS
970. IMPLEMENTATION OF WIRELESS LAN & WIFI HOTSPOTS USING CISCO CONTROLLER
971. IMPLEMENTATION OF KNAPSACK ALGORITHM IN DB2 DESIGN ADVISOR FOR WORKLOAD PERFORMANCE IMPROVEMENT
972. IMPLEMENTING A TIERED VIRTUAL STORAGE
973. IMPLEMENTING FLOW CONTROL IN CDC-ACM DRIVER IN LINUX FOR CYPRESS USB-SERIAL BRIDGE
974. IMPLEMENTING OBJECT ORIENTED JAVASCRIPT
975. IMPORTING PRODUCTVIEW CAD DATA (FROM .PVS/.OL FILE FORMAT) TO CADD55.
976. IMPRO – INDUSTRIAL MANPOWER RESOURCE ORGANIZER
977. IMPROVE CHANGE CUSTOMER FROM VSS
978. IMPROVE THE THROUGHPUT IN USB MASS STORAGE MODE IN S40 PHONE.
979. IMPROVED CACHE REPLACEMENT ALGORITHM
980. IMPROVED GRAPH BASED K-NN DOCUMENT CLASSIFICATION
981. IMPROVED SCHEDULING ALGORITHM
982. IMPROVEMENT IN ARCHITECTURE TO SUPPORT COMMUNICATION WITH DIFFERENT TYPE OF RF BASESTATION & LOGGERS
983. IMPROVEMENT IN TESTING THE CUSTOMER SUBMISSION SYSTEM AND ENSURING A DECREASE IN MALWARE ATTACKS
984. IMPROVEMENT QUALITY CONTROL PROCESSES AND PROCEDURES FOR MEDIUM SIZED APPLICATIONS (CONTACT MANAGER)
985. IMPROVING PERSONALIZATION OF TARGETED MARKETING THROUGH DETAILED CUSTOMER PROFILING

986. IMPROVING THE ROTATION TIME OF THE KEYBOARD ALONG WITH THE PREDICTION WINDOW IN TEXT INPUT WHICH RUNS IN DIFFERENT CONTEXTS.
987. IMPROVING THE UTILIZATION OF PRODUCT LINK IN OFF ROAD VEHICLES
988. IMS/LTE IMPLEMENTATION ON CLOUD
989. INDEX ENGINE (FRAMEWORK FOR CREATING FINANCIAL INDEX)
990. INDUSTRIAL API BASED ON DATA MINING
991. INFORMATION SYSTEM FOR CONDUCT OF EXAMINATIONS UNDER CHOICE AND CREDIT BASED CURRICULUM AT UNIVERSITY OF KASHMIR
992. INFORMATION TECHNOLOGY INFRASTRUCTURE LIBRARY HP SERVICE MANAGER APPLICATION (ITIL-HPSM)
993. INFRASTRUCTURE-AS-A-SERVICE CLOUD FOR CAPACITY PLANNING USING STOCHASTIC MODEL
994. INSTANT MESSAGING USING PUSH TECHNOLOGY
995. INSURANCE AND CLAIM POLICY ON MOBILE WEB APP
996. INSURANCE BROKING SOLUTION
997. INSURANCE CUSTOMER CHURN MANAGEMENT BY DATA MINING USING R
998. INSURANCE DATA ARCHIVING FOR BETTER USER EXPERIENCE
999. INTEGRATED CDU PAGE FUNCTION (COCKPIT DISPLAY)
1000. INTEGRATED COMPOSITE DISPLAY OF SRE RADAR
1001. INTEGRATED MUSIC PLAYER WITH INDEXED DATABASE
1002. INTEGRATED SYSTEM TO EVALUATE INSURANCE PROTOCOLS AND CODING GUIDELINES IN MEDICAL CLAIMS
1003. INTEGRATED TEST VERIFICATION MANAGEMENT SYSTEM
1004. INTEGRATING HETEROGENEOUS APPLICATIONS THROUGH ORACLE SOA
1005. INTEGRATION OF AIRBORNE EARLY WARNING SSYSTEMS AND GROUND SENSORS IN CENTRALIZED COMMAND AND CONTROL SYSTEM INTEGRATION OF AIRBORNE EARLY WARNING SSYSTEMS AND GROUND SENSORS IN CENTRALIZED COMMAND AND CONTROL SYSTEM INTEGRATION OF AIRBORNE EARLY WARNING SYTEMS AND GROUND SENSORS IN CENTRALIZED COMMAND AND CONTROL SYSTEM
1006. INTEGRATION OF LIFERAY PORTAL WITH IBS' ICARGO BASE PRODUCT PORTAL
1007. INTEGRATION OF SOCIAL MEDIA ON SINGLE PLATFORM
1008. INTEGRATION OF TMS WITH CLOUD ERP APPLICATION
1009. INTEGRATION WITH NYMEX EXCHANGE
1010. INTEL POWER ANALYSIS & DEBUG STUDIO
1011. INTEL SAMPLES TRACKER
1012. INTELLI SHOP
1013. INTELLIGENT AGENT BASED FLIGHT SEARCH AND BOOKING SYSTEM.
1014. INTELLIGENT DATA RETRIEVAL IN TELECOM NETWORK MANAGEMENT SYSTEM.
1015. INTELLIGENT E-TUTORING SYSTEM
1016. INTELLIGENT FAQ ANSWERING SYSTEM FOR SUPPORT
1017. INTELLIGENT NEGOTIATION SYSTEM USING DEMOGRAPHIC DATA
1018. INTELLIGENT ONLINE SHOPPING ENGINE
1019. INTELLIGENT SUGAR CANE SEED SELECTION SYSTEM
1020. INTELLIGENT TRAFFIC SIGNALING USING COMPUTER GRAPHICS
1021. INTELLIGENT TRANSPORTATION SYSTEMS
1022. INTERACTIVE IVR GENERATOR FOR MEDIA PLATFORM
1023. INTERFACE TO SHARE DATA BETWEEN DIFFERENT PLM TOOLS
1024. INTRANET GROUP CHATTING USING WEB SOCKET PROTOCOL
1025. INTRODUCTION OF PC BASED TESTING TO OPTIMIZE SDLC DURATION
1026. INTRUSION DETECTION IN MANET USING MECHANISM DESIGN-BASED LEADER ELECTION APPROACH
1027. INTRUSION DETECTION TECHNIQUE BY USING K-MEANS, FUZZY NEURAL NETWORK AND SVM CLASSIFIERS.
1028. INVENTORY CONTROL DASH BOARD
1029. INVENTORY MANAGEMENT SOFTWARE (IMS)
1030. INVESTIGATING AND IMPROVING WEB PAGE PERFORMANCE FOR CDNS (CONTENT DELIVERY NETWORKS)

1031. INVESTIGATION - BEHAVIORAL PREDICTION EQUIPMENT FOR CRITICAL CARE
1032. INVESTIGATION AND DEVELOPMENT OF WELL-DEFINED SEMANTICS OF A PROGRAMMING LANGUAGE TO FULLY COMPREHEND ITS INNER WORKINGS, IDENTIFY AND EXTEND THE SEMANTIC USAGES IN REAL WORLD
1033. INVESTMENT BANKING-ETL AND REPORTING
1034. IPHONE CLIENT APPLICATION FOR AVAYA CES (CLIENT ENABLEMENT SERVICES) SERVER
1035. IPMI TOOL BASED CONCURRENT FIRMWARE UPDATE OF IBM POWER SERVER
1036. IT AS A SERVICE
1037. ITC HOTELS' PMS AND SAP INTEGRATION WITH PAYMENT GATEWAY AND OXI
1038. ITEM BASED COLLABORATIVE FILTERING RECOMMENDATIONS
1039. ITERATIVE DATA CLASSIFICATION BASED PREDICTION OF CUSTOMER SENTIMENT
1040. ITRACKER TOOL FOR ALL EMPLOYEES TO ENHANCE PRODUCTIVITY
1041. ITSM TEST AUTOMATION
1042. IVR BANKING USING NATURAL LANGUAGE.
1043. JAVA CLASS TO SOURCE CONVERTOR
1044. JAVA PROFILER USING JAVA MANAGEMENT EXTENSIONS(JMX)
1045. JMETER AUTOMATION AND TRENDING REPORT
1046. JOB HUNT
1047. JOB SCHEDULING IN CLOUD COMPUTING
1048. K-ANONYMITY USING MULTILEVEL CLUSTERING
1049. KEYWORD DRIVEN FRAMEWORK FOR AUTOMATION TESTING
1050. KIOSK ENABLED ELECTRONIC LEAVE MANAGEMENT SYSTEM
1051. KLIQUE: COMMUNICATION @ WORKPLACE
1052. KNOWURGRID
1053. LAB INFORMATION MANAGEMENT SYSTEM(OLIGONUCLEOTIDE PROCESS MANAGEMENT)
1054. LABFOX(STORAGE AREA NETWORKS) FOR OPERATION X
1055. LABORATORY MANAGEMENT JOB SCHEDULER
1056. LARGE SCALE LOG ANALYSIS USING HADOOP FOR DIAGNOSTICS
1057. LAYER 2 CHANNEL DISCOVERY & ENABLEMENT ACROSS GREY LAYER2 CLOUDS FOR SELF MANAGED NETWORKS
1058. LDAP BASED AUTHENTICATION SERVICE FOR SAAS
1059. LEAD MANAGEMENT SYSTEM
1060. LEARNING MANAGEMENT SYSTEM
1061. LEVERAGING THE BENEFITS OF SOA BY INTRODUCING ENTERPRISE SERVICE BUS
1062. LIFEASIA AS400 AUTOMATION
1063. LIGHTWEIGHT DESKTOP VIRTUALIZATION USING DOCKERS TECHNOLOGY
1064. LIN STACK DEVELOPMENT
1065. LINUX PORT MANAGEMENT SYSTEM
1066. LIQUIDITY CASH FLOW FORECASTING WITH FINANCIAL TIME SERIES PREDICTION USING GENETIC ALGORITHM
1067. LIVE CHAT - COMPLETE SOLUTION FOR YOUR ONLINE HELP
1068. LIVE VIRUS TEST AUTOMATION
1069. LOAD BALANCING IN CLOUD COMPUTING USING MULTI AGENT SYSTEM.
1070. LOCALIGER PERFORMANCE WITH VERTICAL GUIDANCE(LPV) STATE ENGINE
1071. LOCALIZATION TESTING OF BUSINESS CONTACT MANAGER APPLICATION.
1072. LOCATION BASED ALARMING SYSTEM
1073. LOCATION TRACKING UBIQUITOUS COMPUTING
1074. LOG LOCATING AND TRACKING INTERFACE
1075. LOGGER IN LINUX
1076. LOW COMPLEXITY COMPRESSION METHOD FOR HYPERSPECTRAL IMAGES BASED ON DCT AND SPIHT TECHNIQUE.
1077. LOYALTY AND COUPONING USING NFC
1078. LTE ENODEB FRAMEWORK
1079. LTE ENODEB FRAMEWORK INTEGRATION OVER INTEL FEMTOCELL.

- 1080. M2M – FRAMEWORKS & SOLUTIONS
- 1081. MAC BASE AIRPLANE NAVIGATION
- 1082. MACHINE LEARNING METHODS FOR INFORMATION EXTRACTION FROM SOCIAL MEDIA
- 1083. MACRO DE SHAW PORTAL
- 1084. MAIL / TASK MANAGEMENT SYSTEM AND DYNAMIC WEBSITE MANAGEMENT SYSTEM FOR AIR FORCE
- 1085. MAINFRAME LIBRARY SEARCH TOOL
- 1086. MAINFRAME REXX UTILITIES
- 1087. MAKE FLOW GRAPH FOR SHORETEL'S OS COMPILATION.
- 1088. MALWARE FREE EQUILIBRIUM-AN ANALYTICAL MODEL IN DECENTRALIZED P2P NETWORKS
- 1089. MANAGING DATA IN THE CLOUD
- 1090. MANAGING REMOTE HOME APPLIANCES USING MOBILE
- 1091. MARKETING 2.0 – HARNESSING SOCIAL WEB AND TEXT MINING
- 1092. MARKETING ANALYTICS
- 1093. MATLAB-MODEL BASED APPROACH FOR DESIGN
- 1094. MATURIZATION OF RENESAS' FUTURE MOBILE PLATFORM. (THE NAME OF THE PLATFORM IS NOT USED FOR PROPRIETARY REASON)
- 1095. MEASURING ACTIVE PACKETS LOSS BY GEOMETRIC APPROACH
- 1096. MECHANIZATION OF CONTENT CREATION
- 1097. MERSCHE MOTORS DATA WAREHOUSE BY VALUE CHAIN INTEGRATION.
- 1098. METADATA AGGREGATION FRAMEWORK
- 1099. METADATA MINING MODULE FOR DOTNETNUKE PORTALS FOR PERFORMANCE EVALUATION
- 1100. METADATA TRACKING TOOL FOR ONLINE RECOMMENDATIONS
- 1101. METHOD & DESIGN TO ACHIEVE DUAL STANDBY EMBEDDED SYSTEMS
- 1102. METHOD TO ACHIEVE PIM RP DECAP TUNNEL FUNCTIONALITY & RPF FAILURE CHECK WITHOUT ASIC NATIVE SUPPORT
- 1103. METHODOLOGY AND API TO CONVERT TRADITIONAL RDBMS DATA TO JSON OBJECT
- 1104. MIDDLEWARE DISCOVER AND COMPLIANCE
- 1105. MIGRATION AUTOMATION FOR INTER TECHNOLOGIES
- 1106. MIGRATION FROM HDBMS TO DBMS IN LEGACY SYSTEM
- 1107. MIGRATION OF S+CC SOLUTIONS TO CLOUD AND ENABLE THEM TO BE CLOUD-READY
- 1108. MINING GENE ONTOLOGY DATA TO IDENTIFY CANCER-ASSOCIATED GENES
- 1109. MINING USER ACTIVITY ON UNSTRUCTURED DATA TO RECOMMEND PERMISSIONS THROUGH GROUP MEMBERSHIP CHANGES AND ANALYZING THE IMPACT OF CHANGE.
- 1110. MITRAL CLIP TRANS CATHETER GUIDANCE IN 3D
- 1111. MOBILE APP UI TESTING BY IMAGE COMPARISON
- 1112. MOBILE APPLICATION (ANDROID AND IOS DEVICES) FOR NAVIGATION AID OF FIELD SERVICEMEN
- 1113. MOBILE APPLICATION DOWNLOADER FOR OLDER(JAVA/SYMBIAN/BLACKBERRY) PHONES.
- 1114. MOBILE APPLICATION FOR INTERNET BANKING
- 1115. MOBILE APPLICATION TO ENHANCE EDUCATION SYSTEM
- 1116. MOBILE AUTOMATION SOLUTION FOR KYC TRANSACTION
- 1117. MOBILE CLIENT FOR SMART REACTION
- 1118. MOBILE DATA OFFLOAD USING WI-FI (4G)
- 1119. MOBILE DDNA - UNIQUE IDENTIFICATION FOR AN DEVICE
- 1120. MOBILE INCENTIVE DETAILS
- 1121. MOBILE INSURANCE PORTAL
- 1122. MOBILE WALLET PAYMENT CUSTOMIZATION
- 1123. MOBILE WEBSITE BUILDER (DYNAMICALLY DEVELOP AND PUBLISH MOBILE WEB SITES)
- 1124. MOBILE WIRELESS TECHNOLOGIES 2G, 3G & 4G LTE
- 1125. MOBILE-DATA BACKHAUL TECHNOLOGIES AND INVENTORY MANAGEMENT SOFTWARE
- 1126. MODBUS PROTOCOL IMPLEMENTATION
- 1127. MODBUS TCP/IP PLC SIMULATOR
- 1128. MODULE TEST FRAMEWORK
- 1129. MONITORING AND DIAGNOSTICS OF SMART DISPLAYS
- 1130. MONITORING SHARED PROCESSOR USAGE

1131. MONITORING SYSTEM & SERVICES USING MOBILE
1132. MONITORING SYSTEM FOR A HYBRID CLOUD PLATFORM
1133. MONITORING USAGE AND BILLING OF AMAZON EC2 CLUSTER
1134. MOTION DETECTION USING STILLS FROM VIDEO USING OPENMAX
1135. MOTION ESTIMATION BASED ON OPTICAL FLOW
1136. MOVIE DATA ANALYSIS
1137. MPEG-DASH CLIENT USING GSTREAMER MULTIMEDIA FRAMEWORK.
1138. MPLS-LDP SCALABILITY AND PERFORMANCE
1139. MULTICAST VLAN REGISTRATION
1140. MULTI-DIMENSIONAL FRAMEWORK FOR ASSESSING THE VALUE OF SOFTWARE PROJECTS
1141. MULTI-DIMENSIONAL STRUCTURED SEARCH ENGINE
1142. MULTIGEN (REPORT TRANSLATION)
1143. MULTIMEDIA ENGINE FOR LOW END MOBILE HANDSETS
1144. MULTIPLE PDP SUPPORT FOR ANDROID DEVICES
1145. MULTI-TASKING IN ANDROID PLATFORM
1146. MULTI-TENANCY MANAGEMENT SOFTWARE
1147. MULTI-TENANT COLLECTIVE SOCIAL MEDIA MARKETING
1148. MULTIUSER CONCEPT FOR ENTERPRISE
1149. MULTI-USER LOCKSCREEN WITH FINGER PRINT.
1150. MUSIC APP FOR IOS
1151. MUTUAL SHIFT FOR BLUECOLAR EMPLOYEES
1152. MYORDER SHOPPING APPLICATION
1153. NATURAL USER INTERFACE COMMAND SYSTEM
1154. NAVIGATION DATA TOOL SUITE FOR GEOGRAPHIC DATA FILES (GDF)
1155. NETWORK DATA MANAGEMENT TOOL
1156. NETWORK EVENT DRIVEN AUDIT OF SERVICE CONFIGURATIONS
1157. NETWORK INTRUSION DETECTION USING NAIVE-BAYES : A DATABASE CENTRIC APPROACH
1158. NETWORK MONITORING AND CONTROLLING USING MOBILE DEVICE
1159. NETWORK MONITORING APPLICATION
1160. NETWORK MONITORING SOLUTION
1161. NETWORK SERVICE CLOUD
1162. NETWORK TESTING FRAMEWORK & PACKET INJECTION TOOL KIT
1163. NETWORK TOPOLOGY GENERATOR
1164. NETWORK VISUALIZER(NETVIZ)
1165. NEW ARCHIVING METHODOLOGY FOR DB2
1166. NEW FEATURE DEVELOPMENT: LOWIS PCP INFERRED PRODUCTION WITH ANALYSIS WORKBENCH
1167. NEW FEATURES FOR DOCUMENTUM XCP
1168. NEW GENERATION AUTOMATION-SELENIUM
1169. NEW STEGANOGRAPHIC TECHNIQUE FOR EMBEDDING SECRET MESSAGES IN AUDIO
1170. NEXT GEN REPORT WRITER
1171. NEXT GENERATION CPDLC WITH EFFICIENT HUMAN FACTOR COCKPIT DISPLAY
1172. NEXT GENERATION ONLINE INTERVIEW SCREENING APPLICATION
1173. NEXTGEN ORACLE UNIVERSAL INSTALLER (NG-OUI)
1174. NICE: NETWORK INTRUSION DETECTION AND COUNTERMEASURE SELECTION IN VIRTUAL NETWORK SYSTEMS
1175. NMS FAILURE PREDICTION WITH DATA ANALYSIS
1176. NO USER INTERVENTION USING CONTINUOUS INTEGRATION FOR AUTOMATED TESTING
1177. NOCLPLAN XS DEMAND REPORT
1178. NTPS FILE UPLOAD SERVICE
1179. OBJECT ORIENTED ANALYSIS, DESIGN AND IMPLEMENTATION OF BALLPARK REDEEMER
1180. OBJECT ORIENTED DESIGN PRINCIPLES: PRESENT & FUTURE
1181. OBJECT-ORIENTED OS FOR CLUSTER BASED ENVIRONMENT
1182. OBJECTSTORE CONTENT MANAGEMENT USING FILEMANAGER 2.0

- 1183. OCR - LINE SEGMENTATION
- 1184. OEM – SUPPLIER CAD EXCHANGE
- 1185. OFAC COMPLIANCE HANDLER
- 1186. OFFICE ACCESS CONTROL SYSTEM USING NEAR FIELD COMMUNICATION (NFC)
- 1187. OFFLINE FULFILLMENT AUTOMATION
- 1188. ON CLOUD INVENTORY MANAGEMENT
- 1189. ON THE EFFICIENCY OF CSMA-CA SCHEDULING IN WIRELESS MULTIHOP NETWORKS
- 1190. ONLINE AND MOBILE BANKING
- 1191. ONLINE BANKING SYSTEM
- 1192. ONLINE BANKING SYSTEM
- 1193. ONLINE CORPORATE TRAINING & ASSESSMENT SYSTEM
- 1194. ONLINE EDUCATION SYSTEM
- 1195. ONLINE MODERN DISTANCE EDUCATION
- 1196. ONLINE ORDERING SYSTEM FOR A RESTAURANT ON A CLOUD PLATFORM
- 1197. ONLINE PAYMENT SYSTEM THROUGH PAYPAL
- 1198. ONLINE PHYSICIAN PRACTICE MANAGEMENT SOFTWARE.
- 1199. ONLINE QUALITY ASSURANCE AND PART TRACEABILITY FOR AUTOMOBILES
- 1200. ONLINE RETAILING SOFTWARE PRODUCT FOR E-BUSINESS (E-COMMERCE APPLICATIONS)
- 1201. ONLINE SOLUTION TO TRACK NETBACKUP INSTALLATIONS AND AVAILABLE MACHINE SETUPS
- 1202. OPENACCESS DRIVER FOR OPENEDGE APPLICATION SERVER
- 1203. OPINION ANALYSIS AND ONTOLOGY ENRICHMENT WITH TWITTER CORPUS
- 1204. OPTIMIZATION OF DATA WAREHOUSE DESIGN AND ARCHITECTURE
- 1205. OPTIMIZE INTERNET BANDWIDTH USAGE BY PEER LEVEL CACHING ON LAN
- 1206. OPTIMIZED REENGINEERING USING MODULES THROUGH CLUSTER ANALYSIS
- 1207. OPTIMIZED TESTS FOR SPEEDY DELIVERY
- 1208. OPTX – A FIX 4.4 COMPLIANT OPTIONS EXCHANGE SIMULATOR
- 1209. ORACLE ACCESS PORTAL CLIENT ON ANDROID PLATFORM
- 1210. ORACLE CLUSTERWARE UNDEPLOYER
- 1211. ORACLE DATABASE AUTOMATED MIGRATION FROM NON EXADATA TO EXADATA WITH DR USING VIRTUALIZATION
- 1212. ORACLE DATABASE INFRASTRUCTURE & PROCESS
- 1213. ORACLE ENTERPRISE MANAGER CLOUD CONTROL
- 1214. ORGANIZATIONAL TRANSPORT SYSTEM
- 1215. ORGANIZED SEARCH WITH IN-BUILT MEMORY
- 1216. OSB AND SOA SERVICE DEVELOPMENT FOR EBUSINESS INTEGRATION
- 1217. OUTBOUND SESSION GATEWAY (OSG)
- 1218. PACK MANAGEMENT USING AGILE PLM
- 1219. PARADIGM FOR IMAGE ENCRYPTION USING VISUAL CRYPTOGRAPHY
- 1220. PARALLEL INSTRUCTION GENERATING COMPILERS
- 1221. PARALLEL PORT CONTROLLED ROBOT USING JAVA
- 1222. PARAMETRIC ANALYTICAL PROCESSING OF SCATTERED DATA
- 1223. PATCH FOR FORTRAN 2008 COMPILER
- 1224. PATIENT CARE ENABLEMENT THROUGH MEDICAL DEVICES INTEROPERABILITY – A CONNECTED HEALTH PARADIGM
- 1225. PATIENT REFERRAL SYSTEM - AUTOMATIC ROUTING ENGINE
- 1226. PC BASED IPTV STACK WITH INTEGRATED G-STREAMER
- 1227. PCS AUTOMATION FOR DB CONNECT PLATFORM
- 1228. PDF ENCRYPTION ENABLED EMAIL IN MULTIFUNCTION PRINTERS
- 1229. PERFORMANCE ANALYSIS OF WEB BENCHMARKS ON RISC AND CISC ARCHITECTURES
- 1230. PERFORMANCE APPRAISAL SYSTEM
- 1231. PERFORMANCE CHARACTERISATION AND ENHANCEMENT OF NETWORK OPEN VSWITCH
- 1232. PERFORMANCE IMPROVEMENT IN WORKFORCE MANAGEMENT REPORTS AND EFFORT REDUCTION THROUGH REUSABLE SOLUTIONS

- 1233. PERFORMANCE IMPROVEMENT OF NETWORK INTERFACE CONTROLLERS IN VIRTUALIZED ENVIRONMENTS FOR WINDOWS OPERATING SYSTEMS
- 1234. PERFORMANCE IMPROVEMENT USING IN-MEMORY COLUMNAR STORAGE FOR ANALYTICAL WORKLOAD
- 1235. PERFORMANCE MONITORING AND ANALYSIS OF ENTERPRISE APPLICATIONS VIA CLOUD
- 1236. PERFORMANCE MONITORING AND EVALUATION SYSTEM
- 1237. PERFORMANCE OF 3G NETWORK AND ANALYSIS-AN EMPIRICAL STUDY
- 1238. PERFORMANCE QOS MANAGEMENT IN CLOUD ENVIRONMENTS USING ZFS BASED STORAGE CONTROLLERS
- 1239. PERFORMANCE TESTING AND ANALYSIS FOR WEB APPLICATIONS AND WEB SERVICES FOR TELECOM BASED PROJECT
- 1240. PERFORMANCE TESTING AND TUNING OF KAYAKO FUSION
- 1241. PERFORMANCE TUNING FOR ORACLE FUSION- QUOTA MANAGEMENT APPLICATION
- 1242. PERFORMANCE TUNING FOR SUPPLYCHAIN TRANSFORMATION PROGRAM
- 1243. PERFORMANCE/LOAD TESTING OF WEB SERVICES.
- 1244. PERMISSIONS PROVIDER SYSTEM USING NAIVE-BAYES APPROACH
- 1245. PERSON LOCATOR – USING SENSORS AND RFID'S
- 1246. PERSONAL LOAN BANKING THROUGH IBM MAINFRAME
- 1247. PERSONAL MULTIMEDIA FILE ARCHIVE
- 1248. PERSONAL SECURITY DEVICE WITH GLOBAL POSITIONING SYSTEM AND GLOBAL SYSTEM FOR MOBILE COMMUNICATIONS
- 1249. PERSONALIZATION OF WEB SEARCH
- 1250. PERSONALIZED MEDICINE ANALYTICS
- 1251. PERSPECTIVE OF DATA MINING ON NON COMMUNICABLE DISEASES (NCD) DATASET: HYPERTENSION, DIABETES AND OBESITY
- 1252. PGON (REPORTING TOOL) WITH PGHA (HIGH-AVAILABILITY)
- 1253. PHILIPS ANDROID TV PLAYBACK CONTROLS FOR PLAYTV/DLNA/PHOTO BROWSER
- 1254. PI HOME AUTOMATION
- 1255. PKI BASED AUTHENTICATION OF COMPONENTS IN AN EMBEDDED SYSTEM
- 1256. PKI BASED AUTHENTICATION OF COMPONENTS IN AN EMBEDDED SYSTEM
- 1257. PLANNING, IMPLEMENTING AND MANAGING PRIVATE CLOUD (IAAS MODEL) FOR MEDIUM AND LARGE ORGANIZATION
- 1258. PLANNING, SCHEDULING & PROGRESS MONITORING OF DOCUMENTS AS PART OF THE ENTERPRISE DOCUMENT MANAGEMENT SYSTEM
- 1259. PLANT SIMULATION USING MES IMPLEMENTATION & A MINOR RESEARCH ON MES REPORTS IN CLOUD
- 1260. PLATFORM DUMP MANAGEMENT ON IBM POWER SERVER
- 1261. PLATFORM INDEPENDENT RESOURCE MONITORING APPLICATION
- 1262. PLM CAD INTEGRATION(CUSTOMIZATION AND ENHANCEMENT)
- 1263. PLUMBLINE
- 1264. POLICY AND CHARGING CONTROL IN MOBILE PACKET CORE NETWORK
- 1265. POLICY BASED WEB SERVICE SECURITY FOR BUSINESS DOCUMENTS
- 1266. POLICY-DRIVEN HYBRID CLOUD STORAGE FOR THE ENTERPRISE
- 1267. PORT & ENHANCE DEADLINE SCHEDULING FOR LINUX CGE 6.0 OPERATING SYSTEM
- 1268. PORTABLE MILK COLLECTION SYSTEM
- 1269. PORTING PYTHON / LUA TO ARM M3 MICROCONTROLLER
- 1270. POST PRODUCTION FIELD MONITORING OF SOFTWARE QUALITY
- 1271. POST-IPL ACTIVITY AUTOMATION
- 1272. POWER MANAGEMENT FOR ANDROID TV
- 1273. POWER MANAGEMENT IN USB SUPER SPEED DEVICES
- 1274. PRECISION FARMING AND GUIDANCE SYSTEM
- 1275. PRECISION RADIATION MONITOR (PRM)
- 1276. PRE-COMMIT SANITY TOOL
- 1277. PREDICTION OF ATTACKS – THROUGH TREND ANALYSIS
- 1278. PREDICTIVE ANALYTICS FOR A HYBRID CLOUD

- 1279. PREDICTIVE SENTIMENT ANALYSIS OF BOLLYWOOD MOVIE USING SOCIAL NETWORK DATA.
- 1280. PRICE SEARCH TOOL
- 1281. PRIVACY CONCERNS WITH SOCIAL NETWORKING WEBSITES
- 1282. PRIVACY PRESERVING ARCHITECTURE-ATTRIBUTE BASED ENCRYPTION
- 1283. PRIVACY-PRESERVING LOCATION MONITORING SYSTEM FOR WIRELESS SENSOR NETWORKS'
- 1284. PRIVATE CLOUD COMPUTING – IAAS
- 1285. PROACTIVE AND INTELLIGENT APPLICATION ALERTING SYSTEM
- 1286. PROACTIVE MONITORING OF JOBS THROUGH RAPID REPORT GENERATION WITH THE HELP OF ORACLE DATABASE PROCEDURAL LANGUAGE.
- 1287. PRODUCT ASPECT RANKING AND ITS APPLICATIONS
- 1288. PRODUCT LIFECYCLE DATABASE MANAGEMENT
- 1289. PRODUCTION TRACKING TOOL (PTT)
- 1290. PROGRAM SETUP MANAGEMENT
- 1291. PROJECT ESTIMATION AND SIZING – CUSTOMER VALUE UTILITY
- 1292. PROJECT MANAGEMENT SOLUTION USING ALM
- 1293. PROJECT MANAGEMENT SYSTEM
- 1294. PROJECT REPORTING AND TRACKING TOOL
- 1295. PROJECT TEAM EVALUATION USING PATTERN ANALYSIS
- 1296. PROJECTING CUSTOMER 360 DEGREE VIEW AND DERIVING CUSTOMER INTERESTS
- 1297. PROPOSED TOPIC OF DISSERTATION
- 1298. PROVISIONING AND LIFE CYCLE MANAGEMENT OF CLOUD INFRASTRUCTURE(VIRTUAL MACHINES)
- 1299. QAONCLOUD
- 1300. QUALITY ASSURANCE AND TESTING IN AGILE PROJECTS
- 1301. QUALITY MANAGEMENT SYSTEM FOR AUTOMOTIVE INDUSTIRES
- 1302. QUICK ADMISSIONS
- 1303. QUOTA DISSEMINATION TOOL
- 1304. R&D EQUIPMENT MANAGEMENT
- 1305. RADAR DISPLAY CLIENT
- 1306. RADIATION ONCOLOGY
- 1307. RAPID CONFIGURE FOR ARGUS SAFETY
- 1308. RATIONALIZATION OF SHARED SERVICES
- 1309. REAL APPLICATION CLUSTER ROOT CAUSE ANALYZER
- 1310. REAL TIME ADDRESS VALIDATION IN E-BUSINESS SUITE REAL TIME ADDRESS VALIDATION IN E-BUSINESS SUITE REAL TIME ADDRESS VALIDATION IN E-BUSINESS SUITE REAL TIME ADDRESS VALIDATION IN E-BSINESS SUITE
- 1311. REAL TIME ALIGNMENT OF CAMERA AND MULTIPLANAR LIDAR
- 1312. REAL TIME CREDIT CARD FRAUD DETECTION AND PREVENTION USING IN-MEMORY DATABASE
- 1313. REAL TIME DATA REPLICATION WITH ZERO DOWNTIME AND ZERO DATA LOSS
- 1314. REAL TIME DATAWAREHOUSING AND BIG DATA ANALYTICS FOR TELECOM INDUSTRY: DETERMINANTS, CHALLENGES AND SOLUTIONS
- 1315. REAL TIME GRAPHICAL REPRESENTATION OF STATISTICS FOR SMB TRAFFIC IN WAAS
- 1316. REAL TIME INTER-BANK PAYMENT SYSTEM
- 1317. REAL TIME MEASUREMENT OF KPI FOR BSC IN MOBILE TELECOMMUNICATION
- 1318. REAL TIME MESSAGE QUEUE PROCESSING
- 1319. REAL TIME MESSAGING (RTM) COMMERCIAL PLATFORM READINESS (CPR) PROJECT.
- 1320. REAL TIME MULTIMEDIA TRANSFER AND EDITING PLATFORM
- 1321. REAL TIME NOTIFICATION SYSTEM
- 1322. REAL TIME PROVISIONING OF USERS IN AN IDENTITY AND ACCESS MANAGEMENT SOLUTION.
- 1323. REAL TIME TRANSACTION PROCESSING SYSTEM(RTTPS)
- 1324. REAL-TIME MESSAGING ACROSS DISTRIBUTED SYSTEMS USING ACTOR MODEL
- 1325. RECOMMENDATION SYSTEM USING ALLJOYN AND CLOUD SERVER
- 1326. RED - BLACK TREE
- 1327. RE-ENGINEERING LEGACY APPLICATION (A CASE STUDY)
- 1328. RE-ENGINEERING SECURITY PRINCIPLE DATA MART

- 1329. REFERENCE ARCHITECTURE FOR INSURANCE AGENT PLATFORM
- 1330. REGRESSION TOOL ANALYZER
- 1331. RELEASE MANAGEMENT TOOL
- 1332. RELIABLE & HASSLE FREE DEVELOPMENT OF FIRMWARE FOR SMART DISPLAYS
- 1333. RELIABLE AND RAPID MEDIA ACCESS CONTROL (MAC) LAYER ROAM USING ONE TIME ASSOCIATION WITH WIRELESS INFRASTRUCTURE.
- 1334. REMOTE ACCESSIBILITY OF WEIGH BRIDGE READINGS VIA SERIAL PORT
- 1335. REMOTE DEVICE CONFIGURATION
- 1336. REMOTE FIELD SERVICE
- 1337. REMOTE MONITORING AND VISUALIZATION OF STREAMING DATA FROM INTERNET OF THINGS
- 1338. REMOTE MONITORING APPLICATION FOR CARDIO VASCULAR XRAY DEVICES
- 1339. REMOTE MONITORING OF FAB EQUIPMENT BY LOG ANALYTICS.
- 1340. REMOTE NAVIGATION
- 1341. REPLACING HUNT-MCILROY DIFFERENTIAL FILE COMPARISON ALGORITHM WITH MYERS'S O(ND) DIFFERENCE AND COHEN'S PATIENCE DIFF ALGORITHMS IN PTC INTEGRITY PRODUCT
- 1342. REPLAYING THE USER ACTIVITY USING ACCESS LOGS
- 1343. REPLICATION OF DATA INTO HADOOP USING CHANGE DATA CAPTURE TOOL
- 1344. REPLY BY EMAIL
- 1345. REPORT GENERATION SYSTEM
- 1346. REPORT PORTAL
- 1347. REPORTING ON HBASE DATA
- 1348. REPORTING TOOL FOR HEALTHCARE SYSTEMS
- 1349. REPORTING TOOL FOR NETBACKUP ON ANDROID DEVICES
- 1350. RESEARCH ON REALIZING SYSTEM ARCHITECTURE BASED ON UPCOMING VIRTUALIZATION TECHNOLOGIES/PLATFORMS LIKE NFV/DPDK FOR A MOBILE NETWORK NODE IN LTE
- 1351. RESEARCH ON SOFTWARE ARCHITECTURE FOR MULTI-FIELD PACKET CLASSIFICATION.
- 1352. RESOURCE PROFILE ORGANIZATION WITH ENOVIA V6 PLM SOLUTION AND PDF INTEGRATION
- 1353. RESPONSIVENESS TOOL FOR INTEL ANDROID DISPLAY DRIVER
- 1354. REST BASED COPY INTERFACE FOR INKJECT PRINTERS
- 1355. REST BASED INTERFACE FOR SERVICE PROVISIONING IN EMS
- 1356. RETAIL COMMERCIAL DATABASE SYSTEMS AND APPLICATIONS
- 1357. RETAIL ENTERPRISE SUITE
- 1358. RETAIL STOCK DATABASE SYSTEMS AND APPLICATIONS
- 1359. RETRY REPLAY MECHANISM USING WEBSHERE MESSAGE BROKER
- 1360. REWARDS & RECOGNITION TOOL
- 1361. REWRITE OF VARNAM - AN OPEN SOURCE, SELF LEARNING TRANSLITERATION ENGINE FOR INDIC LANGUAGES
- 1362. RICH COMMUNICATION SERVICE ADAPTER
- 1363. ROBOTIC WHEEL CHAIR
- 1364. RSS DETECTION & READER
- 1365. RULE BASED GRAPHEME TO PHONEME MAPPING AND SPEECH SYLLABLE IDENTIFICATION FOR HINDI TEXT TO SPEECH SYSTEM
- 1366. RULE ENGINE BASED EXPERT SYSTEM FOR INTERNAL INFOSYS APPLICATIONS
- 1367. RUNNING C++ STANDALONE APPLICATIONS IN THE BROWSER
- 1368. RUPEN- A RUBY BASED PENETRATION TESTING AUTOMATION FRAMEWORK
- 1369. RURAL BANKING USING CLOUD COMPUTING
- 1370. SAAS OFFERING FOR LOCATION BASED ADVERTISEMENT USING GEO-FENCING
- 1371. SAE(SYSTEM ARCHITECTURE EVOLUTION) SIMULATOR
- 1372. SALES COMPANY SUPPORT SYSTEM ON IBM AS400 FOR MANUFACTURING DOMAIN.
- 1373. SALES FORCE REPORTING SYSTEM
- 1374. SALESFORCE HANDHELD APPLICATION FOR CLASSIC DISTRIBUTION SYSTEM.
- 1375. SAP WORKFLOW - FI PARKED DOCUMENT VALIDATION
- 1376. SAP WORKFLOW FOR SALES ORDER CREATION
- 1377. SCALABLE & EFFICIENT DOMAIN WHOIS PARSER.

- 1378. SCORE BASED PERFORMANCE MANAGEMENT
- 1379. SCRIPTOMATION WITH ARTIFICIAL INTELLIGENCE
- 1380. SDN-OPEN FLOW NETWORK - TRAFFIC CONTROL USING ACL
- 1381. SEAMLESS BILLING(CFA)THROUGH ONE TO ONE INTEGRATION
- 1382. SEARCH BASED APPLICATION IN SHAREPOINT 2013
- 1383. SEARCHABLE ONLINE KNOWLEDGE REPOSITORY
- 1384. SECURE CLOUD COMPUTING USING THIRD PARTY AUDITING AND ENCRYPTION SERVICE
- 1385. SECURE DISTRIBUTION AND MANAGEMENT OF VIRTUAL MACHINES – TECHNOLOGY, PRODUCTS AND IMPLEMENTATIONS IN THE ENTERPRISE
- 1386. SECURE DOCUMENT ROUTER
- 1387. SECURE ODC WITH IMAGE PROCESSING AND GSM ALERTS
- 1388. SECURE PROCESS DATA IN CLOUD STORAGE USING DATA INTEGRITY PROTECTION
- 1389. SECURE PROCESS DATA IN CLOUD STORAGE USING DIP-DATA INTEGRITY PROTECTION
- 1390. SECURED ENTERPRISE MESSAGING SYSTEM
- 1391. SECURED HEART BEAT (SERVICE)PROVIDER
- 1392. SECURED PERSONAL HEALTH RECORD
- 1393. SECURING AN EMBEDDED DEVICE USING CHAIN OF TRUST
- 1394. SECURING DATA STORAGE AND COMMUNICATIONS IN IOT(INTERNET OF THINGS) DEVICES IN A HOME
- 1395. SECURING DATA TRAFFIC WITH MULTIPOINT SITE-TO-SITE VPN CONNECTIONS USING FIREWALLS ACROSS WAN
- 1396. SECURING DISKS WITH NATIVE ENCRYPTION
- 1397. SECURING END-TO-END COMMUNICATION IN WIRELESS SENSOR NETWORKS
- 1398. SECURING UDT BASED DISTRIBUTED APPLICATION SECTOR SPHERE , USING SSL
- 1399. SECURING WEB SERVERS – COST EFFECTIVE SOLUTIONS
- 1400. SECURITY & PERFORMANCE ENHANCEMENT IN INFORMATION MANAGEMENT SYSTEM(CLOUD COMPUTING & MAINFRAME)
- 1401. SECURITY MODULE FOR CLOUD BASED SYSTEM
- 1402. SELF LEARNING AND ADAPTIVE SOLUTION FOR SOFTWARE SYSTEMS
- 1403. SELF NAVIGATING ROBOT
- 1404. SELF ORGANIZING NETWORKS - AUTOMATIC NEIGHBOR RELATION IN LTE NETWORK
- 1405. SELF PROVISIONING NETWORKS
- 1406. SELF SERVE ENTITY MATCHING
- 1407. SELF-CHECKOUT FOR SAP RETAIL STORES
- 1408. SELF-OPTIMIZATION AND MANAGEMENT OF ADAPTABLE COMPONENT - BASED APPLICATIONS
- 1409. SELF-ORGANIZATION OF CLOUD CONTAINERS
- 1410. SEMANTIC AND INTELLIGENT WATCHER SERVICE
- 1411. SEMANTIC QUERY ANALYSIS AND HANDLING
- 1412. SEMANTIC SEARCH IN P2P SYSTEMS
- 1413. SEND MY COURIER (E-BUSINESS)
- 1414. SENSOR DATA AGGREGATION IN WIRELESS SENSOR NETWORK. A CASE STUDY IN LANDSLIDE MONITORING
- 1415. SENTIMENT ANALYSIS OF DATA OVER SOCIAL NETWORKING SITES
- 1416. SENTIMENTAL ANALYSIS USING APACHE MAHOUT
- 1417. SERVER BASED STRING SEARCH FOR UI AUTOMATION
- 1418. SERVER VIRTUALIZATION MANAGEMENT FOR HYBRID DATA-CENTERS
- 1419. SERVICE DISCOVERY USING WI-FI NEIGHBOR AWARENESS NETWORKING (NAN) SPECIFICATIONS
- 1420. SERVICE INSERTION IN SOFTWARE DEFINED NETWORKING SOLUTION
- 1421. SERVICE MEDIATION MODULE FOR WEBSPHERE COMMERCE SUITE
- 1422. SERVICE ORCHESTRATION WORKBENCH – A GUI BASED TOOL TO ORCHESTRATE BANKING SERVICES
- 1423. SERVICE ORIENTED AD HOC GRID COMPUTING
- 1424. SERVICE ORIENTED ARCHITECTURE FRAMEWORK FOR FINANCIAL SERVICES REGULATIONS
- 1425. SERVICE-ORIENTED ARCHITECTURE (SOA) AS AN INTEGRATION DISCIPLINE IN THE AIRLINE IT DOMAIN

1426. SHIP CONFIRM INTEGRATED WITH LOT CONTROLLED PROCESS
1427. SHOPPING CART WITH REAL TIME CAPABILITIES
1428. SIGNATURE AUTHORIZATION AND HOSTING SYSTEM
1429. SIMPLE NETWORK ADAPTER WITH A STANDALONE CLIENT
1430. SINGLE AUTHENTICATION FOR MULTIPLE SERVERS IN ENTERPRISE NETWORK
1431. SINGLE ROOT I/O VIRTUALIZATION (SR-IOV) MANAGEMENT SOFTWARE
1432. SINGLE-SIGN ON TOOL IN JAVA FOR INTERNAL PRODUCT AT INFOSYS
1433. SIP SERVER SIMULATOR FOR PTT CLIENT
1434. SIPWARE – DATA PURGING
1435. SKEW DETECTION AND CORRECTION OF VEHICLE LICENSE PLATE USING HARRIS CORNER DETECTOR ALGORITHM
1436. SLA BASED QOS MONITORING OF WEBSERVICES
1437. SMART CARD BASED ROBUST SECURITY SYSTEM
1438. SMART DATA CURATOR
1439. SMART FINGERPRINT READER
1440. SMART MEASURE SYSTEM TO TRACK EMPLOYEE PERFORMANCE FOR AWARDS AND RECOGNITIONS
1441. SMART POWER SAVER ANDROID APPLICATION
1442. SMART SECURITY FOR HOME USING WIFI
1443. SMART SHOPPING APPLICATION – AN INTELLIGENT MOBILE SHOPPING SOLUTION WITH ENHANCED IN-STORE EXPERIENCE
1444. SMART SUPERMARKET - BLUETOOTH LOW ENERGY BASED SYSTEM
1445. SMART WAN OPTIMIZER
1446. SMARTPHONE TRACKER
1447. SMARTROUTE AS A SERVICE - A SOFTWARE DEFINED NETWORKING APPROACH
1448. SNMPV2 PROTOCOL TESTING AND AUTOMATION
1449. SOA ENABLED WEB FRAMEWORK
1450. SOCIAL MEDIA FOR COLLABORATION
1451. SOCIAL NETWORK ANALYSIS TO ANALYZE COLLABORATION OF ENTERPRISE USERS BASED ON THEIR ACTIVITY ON UNSTRUCTURED DATA
1452. SOFTWARE COMPLIANCE TOOL FOR CODE QUALITY
1453. SOFTWARE DEVELOPMENT MODEL BASED PROJECT STATUS TRACKING SYSTEM
1454. SOFTWARE ENGINEERING & MANAGEMENT, ANDROID DEVELOPMENT, ENTERPRISE MOBILITY APPLICATIONS
1455. SOFTWARE PROTECTION UNDER THE PROJECT AREA “SOFTWARE ENGINEERING SECURITY”
1456. SOFTWARE REJUVENATION IN A BANKING PORTAL
1457. SOFTWARE TESTING AND QUALITY
1458. SOFTWARE TESTING AND QUALITY ASSURANCE FOR EMBEDDED
1459. SOFTWARE TESTING AUTOMATION FRAMEWORK DEVELOPMENT FOR WEB BASED APPLICATION
1460. SOFTWARE UPGRADE FOR ANDROID TV
1461. SOLUTION TO MIGRATE MCAFEE ENTERPRISE FIREWALL CONFIGURATION TO NEXT GENERATION FIREWALL
1462. SOLVING SYSTEM OF LINEAR EQUATIONS ON ACCELERATORS AND SMP MACHINES
1463. SPECIFYING SECURITY REQUIREMENTS FOR LOW BANDWIDTH APPLICATIONS IN THE NAVY.
1464. SPEND ANALYTIC & REPORTING
1465. SPLIT INVOICE
1466. SQL QUERY OPTIMIZATION HELPER (SQOH)
1467. STANDARD OPERATING ENVIRONMENT FOR ACCESS PRODUCTS
1468. STATICAL CONTENT BASED FILTER
1469. STATISTICAL ANALYSIS OF GTP INTERFACE IN TELECOM NETWORK
1470. STATISTICAL BASED ACTIVITY PROPAGATION IN VLSI DESIGNS
1471. STFTP (SECURE TRIVIAL FILE TRANSFER PROTOCOL)
1472. STORAGE AND VOLUME REPLICATION TECHNOLOGY
1473. STRATEGIC MARKETING OF BUSINESS SERVICES
1474. STRONGER AUTHENTICATION FOR ONLINE TRADING APPLICATION

- 1475. STUDENT MANAGEMENT SYSTEM FOR STUDENTS OF KENDRIYA VIDYALAYA HEBBAL
- 1476. STUDY AND APPLICATION OF DATA MINING TECHNIQUES FOR SENTIMENT ANALYSIS ON ENTERPRISE PRODUCT RELATED CONTENT ON WEB
- 1477. STUDY AND APPLICATION OF DATA MINING TECHNIQUES ON ENTERPRISE AND CUSTOMER BIG DATA ON ELECTRONICS DOMAIN
- 1478. STUDY AND IMPROVING HUMANIZED COMPUTING
- 1479. STUDY AND IMPROVING HUMANIZED COMPUTING TECHNOLOGIES.
- 1480. STUDY FOR ADAPTATION OF AGILE TESTING METHODOLOGY.
- 1481. STUDY OF DIFFERENT ALGORITHMS IN SENTIMENT ANALYSIS AND THE EXISTING ISSUES
- 1482. STUDY OF SUPERVISED LEARNING TOOLS IN 'R' (WITH PARTICULAR FOCUS ON SEGMENTED REGRESSION TECHNIQUE)
- 1483. STUDY OF TELECOM SERVICE DELIVERY PLATFORM
- 1484. STUDY ON DATA MINING TECHNIQUES ON APPLICATION AND NETWORK TRAFFIC BIG DATA
- 1485. STUDY ON DATA MINING TECHNIQUES ON APPLICATION AND NETWORK TRAFFIC BIG DATA
- 1486. STUDY ON OPTIMIZATION TECHNIQUES FOR SOFTWARE PROJECT SCHEDULING,STAFFING AND RISK MANAGEMENT ANALYSIS
- 1487. STUDYING SESSION INITIATION PROTOCOL, ITS VULNERABILITIES AND THEIR COUNTER-MEASURES
- 1488. SUBSCRIBE ANALYTIC SYSTEM
- 1489. SUBSCRIBER RESOURCE MANAGER - MOBILE NUMBER PORTABILITY (MNP)
- 1490. SUPPLY CHAIN MANAGEMENT REPORTING
- 1491. SUPPORT MANAGEMENT TOOL – A TOOL THAT AUTOMATES THE PROCESSES INVOLVED IN PRODUCT SUPPORT ACTIVITIES.
- 1492. SUPPORTING MOBILITY OVER INFORMATION CENTRIC NETWORKING (ICN)
- 1493. SURVEYING BUSINESS MODEL AMONG INTERCONNECTED FRIENDS
- 1494. SYMMETRIC CIPHER IN NETWORK SECURITY
- 1495. SYNCHRONIZATION OF CALENDAR USING WCAP AND CALDAV PROTOCOL
- 1496. SYSTEM FOR IDENTIFYING AND CORRECTING INVALID WORDS IN THE DEVANAGARI SCRIPT FOR TEXT TO SPEECH ENGINE
- 1497. SYSTEM HEALTH TRACKING FRAMEWORK
- 1498. SYSTEMS INTEGRATION USING SOA
- 1499. TABLET DEBUG TEST SUITE AND STUDIO
- 1500. TACTICAL TO STRATEGIC MEAS PLANNING AUTOMATION
- 1501. TARGETED ADVERTISING
- 1502. TARGETING CUSTOMERS THROUGH INTEGRATED DIGITAL MARKETING
- 1503. TASK TRAIL AN EFFECTIVE SEGMENTATION OF USER SEARCH BEHAVIOR
- 1504. TEAMFORGE REPORTS - INFRASTRUCTURE
- 1505. TECHPEDIA FOR VIRTUAL UNIVERSITY
- 1506. TELEMATICS FOR LOW COST VEHICLES WITH THE HELP OF SMARTPHONE
- 1507. TELEMETRY RECEIVER SYSTEM
- 1508. TEST AUTOMATION FRAMEWORK FOR EXHAUSTIVE FUNCTIONAL TESTING
- 1509. TEST AUTOMATION FRAMEWORK FOR HR APPLICATION PRODUCTS
- 1510. TEST AUTOMATION FRAMEWORK FOR PIM SYSTEM
- 1511. TEST AUTOMATION FRAMEWORK FOR SEARCH PRODUCTS
- 1512. TEST AUTOMATION OF ENTERPRISE VAULT SYSTEM CENTER OPERATIONS MANAGER
- 1513. TEST PROGRAME SOFTWARE (TPS) DEVELOPMENT OF RF POWER AMPLIFIER PCB OF M7-V/UHF COMMUNICATION SYSTEM
- 1514. TEST SCRIPT MANAGER
- 1515. TEST-AUTOMATION FRAMEWORK DEVELOPMENT TO PERFORM SERVER SIDE API TESTING
- 1516. TESTING AND IMPLEMENTATION OF NEW SOFTWARE RELEASE FOR DEFAULT 3G PRODUCT IMPLEMENTATION
- 1517. TESTING AUTOMATION
- 1518. TESTING EFFECTIVENESS WITH IMPLEMENTATION OF A REPORT COMPARISON TOOL
- 1519. TESTING FRAMEWORK FOR MOBILE APPLICATION
- 1520. TESTING OF CFM PROTOCOL IN HN 4000 AND HN 400 DEVICES.
- 1521. TESTING OF WEB APPLICATIONS BY AUTOMATION

1522. THE BLACK-HOLE NODE ATTACK IN MANET
1523. THE DESIGN AND IMPLEMENTATION OF AN ONLINE E-COMMERCE SITE FOR MBA ADMISSION CONSULTING SERVICES
1524. THE GRAPH500 BENCHMARK ON ARMONIA CLUSTER
1525. THEME ENGINE FOR LOW END MOBILE PHONES
1526. THERMAL MITIGATION OF ANDROID DEVICES
1527. THIEF : AN ANDROID GAME
1528. THIRD PARTY AUTHORIZATION BY NETWORK DEVICES USING OPEN AUTH
1529. THIS PROJECT FALLS UNDER THE CATEGORY OF SOFTWARE ENGINEERING AND MANAGEMENT SYSTEMS AND APPLICATIONS.
1530. THRESHOLD BASED FUZZY MATCHING USING PHONETIC AND ORTHOGRAPHIC ALGORITHMS FOR RECORD LINKAGE, ENTITY RESOLUTION AND DUPLICATE DETECTION
1531. THROTTLING ANALYSER FOR BIZTALK ENVIRONMENTS
1532. TIMA AND ATTENDANCE MANAGEMENT
1533. TIME TRACKING TOOL FOR DEVELOPERS
1534. TIMESHEET MANAGEMENT
1535. TITAN JEWELLERY' S JOBWORK AN INTEGRATED PROCESS ON ORACLE EBS
1536. TO DESIGN/ IMPLEMENT THE ALGORITHM FOR PARSING OF HL7 FORMAT FILES IN SPECTRUM TECHNOLOGY PLATFORM.
1537. TO DEVELOP MOBILE APPLICATIONS FOR USE IN 3G WCDMA (AFCEL) PROJECT OF INDIAN AIR FORCE
1538. TOLERANCE OF LINK AGGREGATION IN A CLOUD BASED DATA CENTER ENVIRONMENT
1539. TOOL CONTINUOUS PROCESS MONITOR
1540. TOOL FOR MIGRATING ORACLE FORMS TO JAVA
1541. TOOL FOR PERFORMING OLAP OPERATIONS ON SALES DATA WAREHOUSE
1542. TOOL FOR TRACKING BUGS/ERRORS AND WORK ITEM MANAGEMENT IN AGILE LIFECYCLE
1543. TOOL FOR WEB PAGE DEVELOPMENT AND ACCELERATING XML PARSING
1544. TOOL TO AUTOMATE THE ERROR MANAGEMENT IN AUTOMOTIVE DOMAIN
1545. TOUCH BASED ANALYSIS FOR ULTRASOUND SYSTEM
1546. TOUCHLESS PROCESSING-CONNECTING ENTERPRISE RESOURCE PLANNING (ERP) SYSTEM WITH CUSTOMER SYSTEM
1547. TOUCHSTONE-MOBILE
1548. TRADING DATA REPOSITORY USING SOA
1549. TRAIN CONTROL SYSTEM WITH HOT STAND-BY
1550. TRAINEE MANAGEMENT SYSTEM
1551. TRAINING AND LEARNING MANAGEMENT SYSTEM
1552. TRANSLATION AND CUSTOMIZATION TOOLKIT
1553. TRANSPORT MANAGEMENT SYSTEM
1554. TRAVEL MANAGEMENT SYSTEM (TRAVEL GRID)
1555. TRAVEL TIMER - A GEO-FENCING BASED TIMER APPLICATION FOR TRAVELLERS
1556. TREND-BASED THRESHOLD DETERMINATION FOR ANOMALY DETECTION IN WIRELESS SELF-ORGANIZING NETWORKS
1557. TV ANYWHERE – SOC SOFTWARE
1558. TWITTER SENTIMENT ANALYSIS FOR BRANDS
1559. TWO WHEELER IMMOBILIZER SYSTEM
1560. U.S.H.O-A SYSTEM FOR ORGANIZING USER SEARCH HISTORIES
1561. UBIQUITOUS FINANCIAL INCLUSION AND PAYMENT
1562. UBIQUITOUS INFONET OF VEHICLES
1563. UEFI (BIOS) DRIVER DEVELOPMENT FOR SCSI NIC DEVICE.
1564. UEFI BASED AUTOMATED TEST FRAMEWORK FOR DELL OEM COMMANDS ON ENTERPRISE SERVERS.
1565. UI TEST AUTOMATION FRAMEWORK FOR VMWARE V-CLOUD APPLICATION DIRECTOR
1566. UNBUNDLING E-BUSINESS SOLUTIONS
1567. UNDERSTANDING EDK II TOOLS, NT32 EMULATION ENVIRONMENT AND CREATING UEFI APPLICATION/DRIVER

1568. UNDERSTANDING GEOGRAPHICAL, CLIMATIC AND ECONOMY FACTORS INFLUENCING THE SALES OF FERTILIZERS USING DATA MINING AND PREDICTIVE ANALYTICS.
1569. UNEMPLOYMENT CLAIM DATA WAREHOUSE
1570. UNIFIED ARCHITECTURE FOR HYBRID AND NATIVE MOBILE APPS
1571. UNIFIED BUILD AND RELEASE MANAGEMENT
1572. UNIFIED DATA WAREHOUSE
1573. UNIFYING ONLINE HELP SERVICES
1574. UNIT TEST FRAMEWORK FOR SIRIUS ON HOST
1575. UNIT TESTING AUTOMATION FRAMEWORK FOR JAVA PERSISTENCE API (JPA) BASED DATA MODELS
1576. UNIVERSAL BROADCASTING SOFTWARE APPLICATION
1577. UNIWARE APP ENGINE
1578. UPGRADATION OF SPOTFIRE ENVIRONMENT
1579. US BANKING REGULATIONS - FDIC
1580. USABILITY TESTING OF MOBILE APPLICATIONS
1581. USAGE ANALYZER FOR BOSCH SOFTWARE BUILDING TOOL
1582. USB DEVICE SHARING OVER IP
1583. USB WINDOWS DEVICE DRIVER FOR SAMSUNG ANDROID DEVICES (WINDOWS DRIVER FRAMEWORK BASED).
1584. USE GRAPH DB FOR PROMOTIONAL MESSAGES ON E STORE
1585. USE INDIGENOUS SCRIPTS FOR CUSTOMIZATIONS
1586. USE OF CRAWLER IN MYSMARTPRICE
1587. USE OF SPRING SECURITY IN WEB APPLICATIONS
1588. USER INTERFACE TOOL FOR TELECOM APPLICATION SYSTEM
1589. USING A LINUX MACHINE AS MULTICAST ROUTER FOR WIRELESS NETWORKS
1590. USING PC BASED SIMULATION FOR TESTING EMBEDDED FIRMWARE
1591. USING SOCIAL NETWORK ANALYSIS (SNA) TO ANALYZE TERRORIST NETWORKS
1592. VACATION ULTIMA – AN ONLINE TRAVEL SERVICE PROVIDER
1593. VAJRA - A COMPLETE TESTING UNIT FOR NEXT GENERATION FIREWALL LAYER 7 APPLICATIONS
1594. VALIDATE & ANALYZE WEB SERVICE COMPOSITION USING PETRI NETS
1595. VALIDATING RANDOM NUMBER GENERATOR
1596. VALIDATION PROGRESS DASHBOARD
1597. VALUER'S PORTAL AND REPORT MANAGEMENT SYSTEM
1598. VARIABLE SPEED DRIVES FOR CONTROLLING FLOW RATE OF CENTRIFUGAL PUMPS.
1599. VDS-SM TV INSIGHTS AUTOMATION
1600. VERIFIABLE ENCRYPTION OF RSA SIGNATURES IN SERVICE PROVIDER NETWORKS FOR SINGLE SIGN-ON MECHANISM
1601. VERTICAL FRAGMENTATION IN DISTRIBUTED DATABASE
1602. VERY HIGH THROUGHPUT IN WIFI
1603. VIDEO ON DEMAND (VOD) RECOMMENDATION ENGINE
1604. VIDEO PROCESSING ALGORITHMS FOR VEHICLE CLASSIFICATION
1605. VINIGRAHA – HOME AT YOUR FINGERTIPS.
1606. VIRTUAL FORWARDING PLANE ON VIRTUALLIZED COTS HARDWARE
1607. VIRTUAL MEETINGS
1608. VIRTUAL MF TERMINAL SECURE ONLINE EXAM TOOL USING REXX
1609. VIRTUAL REMOTE SIMULATION & ANALYZER
1610. VIRTUAL REMOTE SIMULATOR FOR SMART TV
1611. VIRTUAL SENSOR FOR AIR MASS FLOW ESTIMATION USING 'K-NEAREST NEIGHBORS' ALGORITHM
1612. VIRTUALIZATION OF ARM LINUX
1613. VISUAL REPORTING AND ANALYTICS
1614. VISUALIZE AND ANALYZE UNSTRUCTURED DATA ON ENTERPRISE CLOUD PLATFORM LIE BOX.
1615. VM WARE HEALTH MONITOR TOOL
1616. VOICE OVER LTE
1617. VOICE OVER LTE (VOLTE)
1618. VOICE RECOGNITION LIBRARY BASED ON MFCC

- 1619. VULNERABILITY DIAGNOSIS IN WEB-BASED VIDEO SURVEILLANCE SYSTEM
- 1620. WALLED GARDEN MODEM ACTIVATION PORTAL
- 1621. WATCH N SHOP (INTEGRATE TV PLATFORM WITH E-COMMERCE PLATFORM)
- 1622. WEB ANALYTICS AND REPORTING
- 1623. WEB ANALYTICS IMPLEMENTATION AND REPORTING
- 1624. WEB APPLICATION ON HEALTH BENIFIT EXCHANGE INSURANCE
- 1625. WEB APPLICATION SECURITY
- 1626. WEB APPLICATION SECURITY PROVIDER
- 1627. WEB APPLICATIONS AND DEVICE AUTOMATION TESTING
- 1628. WEB BASED DEFECT TRACKER AND REPORT SYSTEM FOR DESIGNWARE IP
- 1629. WEB BASED FINANCIAL ACCOUNTING SYSTEM
- 1630. WEB BASED HEALTH CARE MANAGEMENT
- 1631. WEB BASED INTEGRATION SOLUTION FOR INFOR FMS SUNSYSTEMS
- 1632. WEB BASED NE MANAGEMENT INTERFACE FOR OMS PRODUCT
- 1633. WEB BASED WORK ORDER MANAGEMENT INTEGRATED WITH ACCESS CONTROL SYSTEM
- 1634. WEB CRAWLERS
- 1635. WEB DATA MINING FOR WEB PAGE PREDICTION
- 1636. WEB ENABLED DATAWAREHOUSING FOR ENHANCED DATA ANALYSIS
- 1637. WEB ENABLED NEWS CONTENT MANAGEMENT SYSTEM
- 1638. WEB ENABLED ORDER PROCESSING SYSTEM.
- 1639. WEB PORTAL FOR RECON2.0
- 1640. WEB RETAIL MARKETING FRAUD DETECTION
- 1641. WEB SERVICE BASED OPENCL EXECUTION ENVIRONMENT GENERATOR FOR HETEROGENEOUS SYSTEMS
- 1642. WEB VIEWING TOOLKIT CONTROLS FOR DOCUMENTS & IMAGES
- 1643. WEBAPPLICATION DEVELOPMENT USING STRUTS 2.0
- 1644. WEB-BASED APPLICATION FOR SENDING DATA FOR MEDICAL EXAMINATION ANALYSIS
- 1645. WEB-BASED DB CONTENT MANAGEMENT APPLICATION WITH STRUTS & NODE.JS
- 1646. WEBPAGE PERFORMANCE OPTIMIZATION USING ASYNCHRONOUS SCRIPT LOADING
- 1647. WEBSERVICES MEDIATION LAYER
- 1648. WEBSITE REAL TIME PLUGIN
- 1649. WHEREYOU
- 1650. WI-FI COVERAGE(INTERNET & SURVILLANCE CAMERA) WITH THE HELP OF RF & WIRELESS AP'S
- 1651. WIFI DIRECT SOLUTION FOR HP INKJET PRINTERS.
- 1652. WINDOWS AZURE – AN UPCOMING PLATFORM FOR POWERING MOBILE TECHNOLOGY
- 1653. WINDOWS EVENT DEDUPLICATION ON IPDB
- 1654. WINDOWS MOBILE APPLICATION FOR CAR-POOLING
- 1655. WINGS OF WAR
- 1656. WIRELESS AUTOMATION TEST FRAMEWORK FOR A QT BASED MEDICAL DEVICE
- 1657. WIRELESS SENSOR NETWORKS
- 1658. WIRELESS VEHICLE DIAGNOSTIC READ-OUT SYSTEM
- 1659. WONDER HOLIDAYS WEB APPLICATION USING ORACLE ADF
- 1660. WORK REQUEST EFFORT ESTIMATION AND RESOURCE ALLOCATION TOOL
- 1661. WORKFLOW MANAGEMENT ENGINE
- 1662. WORKFLOW MANAGEMENT TOOL AND DEFECT LOGGER
- 1663. WORKFLOW MODELING
- 1664. WORK-GROUP BRIDGE SUPPORT ON CISCO LOCALLY SWITCHED ACCESS POINTS
- 1665. YAHOO MEDIA INTEGRATED INDEX STORE
- 1666. ZENWORKS IMAGING GPT DISK SUPPORT
- 1667. ZONE BASED POINT-TO-MULTIPOINT DATA PUBLISH APPLICATION

M.S. MANUFACTURING MANAGEMENT

- 1668. 621 IN-SEAM LOADER DEVELOPMENT
- 1669. A STUDY OF STEERING SYSTEMS IN HYDRAULIC AXLE TRAILERS

1670. A STUDY ON LEAN CONCEPTS IMPLEMENTATION IN WIND TURBINE INSTALLATION PROCESS
1671. A STUDY ON PERFORMANCE CHARACTERISTICS OF CONCRETE DELIEIVERY AND PLACEMENT PROCESS IN READY MIX CONCRETE INDUSTRY
1672. A STUDY ON STRATEGIC MANAGEMENT AS A TOOL IN IMPROVING ORGANIZATIONAL PERFORMANCE OF TECTON ENGINEERING & CONSTRUCTION L.L.C
1673. ANTI TAC HANDLING IN RUBBER MIXING UNIT
1674. APPLICATION OF 8D PRACTICAL PROBLEM SOLVING TECHNIQUE TO IMPROVE ETP WATER QUALITY AND ENABLE COMPLETE RECYCLING OF ETP WATER.
1675. APPLICATION OF ARTIFICIAL NEURAL NETWORK IN BEARING FAULT IDENTIFICATION (BASED ON PREDICTIVE MAINTENANCE)
1676. APPLICATION OF JUST IN TIME MANUFACTURING CONCEPTS IN AUTOMOBILE ACCESSORIES MANUFACTURING
1677. APPLICATION OF REVERSE ENGINEERING & VALUE ENGINEERING IN NEW PRODUCT DEVELOPMENT
1678. ASSEMBLY LINE CAPACITY IMPROVEMENT AT GENSET SHOP
1679. ASSEMBLY PASS RATIO IMPROVEMENT
1680. ASSEMBLY UNIT SETUP FOR WH RANGE OF EQUIPMENTS
1681. ASSESSMENT AND DEVELOPMENT OF TECHNICAL FEASIBILITY TO INCREASE SPEED OF POLYPLEX BAZPUR BOPET PLANT FROM 500 M/MIN TO 550 M/MIN.
1682. ASSESSMENT OF CASTING LOGISTICS
1683. AUGMENTATION IN EFFICIENCY & EFFECTIVENESS OF EXTENDERS APPROVAL PROCESS
1684. AUTO CHRA2 MACHINE UPTIME IMPROVEMENT FROM 86% TO 90%
1685. AUTO ROTARY FRAME FITMENT SYSTEM
1686. AUTOMATED STORAGE AND RETRIEVAL SYSTEM
1687. AUTOMATION IN OIL SEPARATION PROCESS
1688. AUTOMOTIVE R&D TRENDS IN INDIA AND GROWTH STRATEGIES
1689. AUTO-STORAGE AND RETRIEVAL EQUIPMENT DEPLOYMENT AS "DEPLOYMENT CONTRACT MANAGER".
1690. BARGE BUMPER SYSTEM
1691. BEARING AXIAL CLEARANCE MEASUREMENT
1692. BELL-INDIA ON BOARDING PROCESS
1693. BOLT ASSEMBLY IMPROVEMENT IN WHEEL HUB ASSEMBLY
1694. BROAD AREA OF PROJECT: QUALITY CONTROL ASSURANCE& RELIABILITY. PROJECT TITLE: REDUCE REJECTION IN HYUNDAI-EON CAR-INSTRUMENT CLUSTER ASSY.
1695. CAM DATA MIGRATION FROM NATIVE TO TEAMCENTER
1696. CAPACITY ENHANCEMENT IN DUSTER CAR SUB ASSEMBLIES THROUGH PROCESS IMPROVEMENT
1697. CAPACITY ENHANCEMENT IN MACHINE SHOP THROUGH EFFECTIVE LINE BALANCING [USING TOC]
1698. CASE STUDY OF TOTAL QUALITY MANAGEMENT IN MANUFACTURING ORGANIZATION
1699. CENSEO WEB- APPLICATION SOFTWARE PROJECT MANAGEMENT
1700. CHALLENGES AND CHANGES OF HUMAN RESOURCE MANAGEMENT IN PRODUCT BASED ORGANIZATION
1701. CHANGE MANAGEMENT IN SOURCING IN INTERNATIONAL BUSINESS UNIT
1702. CHARACTERIZATION OF DAMAGE MODES IN CARBON FIBRE REINFORCED PLASTIC (CFRP) BY ACOUSTIC EMISSION NON-DESTRUCTIVE EVALUATION
1703. COLD BOX INSTALLATION – A FASTER & SMARTER SOLUTION
1704. COMBINING VALVE SEAT AND COPPER INFILTRANT COMPACTION
1705. COMPARATIVE ASSESSMENT OF JUST IN TIME VS. KANBAN SYSTEM FOR RAW MATERIAL FLOW IN CONFIGURABLE ELECTRONICS MANUFACTURING
1706. COMPETITIVE BENCHMARKING ANALYSIS & BEST OF BEST DESIGN OF AUTOMOTIVE STEERING WHEEL SWITCHS
1707. COMPETITIVE BENCHMARKING ANALYSIS OF AUTOMOTIVE DOOR TRIM
1708. COMPETITIVE BENCHMARKING ANALYSIS OF AUTOMOTIVE HVAC
1709. CONCEPTUALIZATION OF HINGE FITMENT ASSEMBLY PROCESS SCHEME WITH RESPECT TO BIW APERTURE.
1710. CONCEPTUALIZING, DESIGNING AND DEVELOPING A LEARNING CURRICULUM FOR FRESH ITI STUDENTS JOINING INTO MANUFACTURING INDUSTRY
1711. CONNECTING ROD TAPER MILLING OPERATION STEP MARK REWORK REDUCTION.
1712. CONTINUOUS IMPROVEMENT FOR MANUFACTURING PROCESS OF INDUSTRIAL HEATERS

1713. CONTINUOUS IMPROVEMENT PROCESS APPROACH IN TECHNICAL DATA FLOW BY USING INITIAL DATA VALIDATION TOOL.
1714. CONTRIBUTION OF ADITYA BIRLA EXCELLENCE MODEL IN CEMENT SUSTAINABILITY EFFORTS
1715. CONTROL STRATEGY DEVELOPMENT AND ANALYSIS OF HYBRID POWER-TRAIN FOR FUEL ECONOMY IMPROVEMENT.
1716. COST OF QUALITY ANALYSIS AND IMPROVEMENT
1717. COST OPTIMIZATION OF SUGAR CANE HARVESTER PRODUCT LINE CATER TO THE NEEDS OF INDIAN FARMERS
1718. COST REDUCTION AND QUALITY IMPROVEMENT IN ELECTRO DEPOSITION PROCESS BY CHANGING THE ELECTRIFICATION OF THE HANGER SYSTEM
1719. COST REDUCTION ON 41K SEAT RINGS
1720. COST REDUCTION THROUGH BENCHMARKING IN MAINTENANCE ACTIVITIES
1721. COST REDUCTION THROUGH LOCALIZATION OF V-8, AIR COOLED ENGINE
1722. CRITICAL CHAIN PROJECT MANAGEMENT APPROACH TO 220 MW TURBO-GENERATOR OVERHAULING – AN ANALYSIS
1723. CRITICAL CHAIN PROJECT MANAGEMENT APPROACH TO MULTIPLE PROJECTS
1724. CRYOGENIC TREATMENT ON FRICTION WELDING OF SS 304L AND EN8
1725. CYCLE TIME REDUCTION
1726. CYCLE TIME REDUCTION IN ENGINEERING CHANGE ORDER (ECO) PROCESS
1727. CYLINDER HEAD VALVE LOCK ASSEMBLY OPERATION FIRST TIME QUALITY (FTQ) IMPROVEMENT
1728. DEFECT COST REDUCTION IN NOZZLE BODY INTERNAL GRINDING PROCESS
1729. DELIVER TO SAMPLES- PROJECT B562
1730. DESIGN & ANALYSIS OF ENGINE MOUNT
1731. DESIGN & DEVELOPMENT OF 40LPM FLOW CAPACITY DIRECTION CONTROL VALVE FOR MOBILE HYDRAULIC APPLICATION.
1732. DESIGN & DEVELOPMENT OF FUEL PUMP TEST RIG
1733. DESIGN & ESTABLISHING THE PULL SYSTEM FOR CONNECTOR PRODUCTS USING LEAN & VSM FRAMEWORK.
1734. DESIGN AND DEVELOPMENT OF ATV (ALL-TERRAIN- VEHICLE) DRIVETRAIN APPLYING ADVANCED REVERSE ENGINEERING (RE) TECHNIQUES
1735. DESIGN FOR MANUFACTURABILITY & MAINTAINABILITY
1736. DESIGN IMPROVEMENTS ON TRACTOR COMPONENTS BASED ON FIELD FAILURES.
1737. DESIGN OF ALL GEARED HELICAL COIL SYSTEM FOR BENDING OF HEATERS
1738. DESIGN OF INTEGRAL PEDAL UNIT
1739. DESIGN OF MANUFACTURING PROCESS AND SYSTEM TO INCORPORATE THE MANUFACTURING FLEXIBILITY IN THE 4WD FRONT AXLE SUB ASSY LINE FOR NEW PRODUCT INTRODUCTION.
1740. DESIGN OF PLASTIC ENGINE MOUNTS FOR PASSENGER CAR
1741. DESIGN OF WIRE EDM MACHINE AND VALIDATION OF THE EDM PROCESS
1742. DESIGN OPTIMIZATION / RE-DESIGN OF TANDEM GEAR PUMP FOR COST REDUCTION WITHOUT AFFECTING PERFORMANCE _
1743. DESIGN, SOFT VALIDATION, DEVELOPMENT AND TESTING OF 40T CAPACITY BOGIE SUSPENSION SYSTEM; FREE FROM COMMON FAILURES IN SIMILAR SYSTEMS
1744. DESIGNING AN ASSEMBLY-LINE FRAMEWORK FOR REALIZATION OF MECHANICAL HOUSINGS IN A SATELLITE PROGRAMME
1745. DETERMINE THE CRITICAL PATH FOR A GREENFIELD CEMENT PLANT CLINKER GRINDING SECTION EQUIPMENTS ERECTION BY USING CPM TECHNIQUE.
1746. DEVELOP LAYOUT FOR ECS INSTALLATION OF LCA NAVAL FIGHTER, SCHEDULE THE INSTALLATION PROCESS AND ITS VALIDATION ON AIRCRAFT ASSEMBLY
1747. DEVELOP LAYOUT FOR POWERPLANT AND FUEL SYSTEM INSTALLATION OF FIGHTER AIRCRAFT, SCHEDULE THE INSTALLATION PROCESS AND ITS VALIDATION ON AIRCRAFT ASSEMBLY.
1748. DEVELOPING ADVANCED NON-DESTRUCTIVE EXAMINATION TECHNIQUES FOR OIL&GAS PROJECTS
DEVELOPING ADVANCED NON-DESTRUCTIVE EXAMINATION TECHNIQUES FOR OIL&GAS PROJECTS
DEVELOPING ADVANCED NON-DESTRUCTIVE EXAMINATION TECHNIQUES FOR OIL&GAS PROJECTS
DEVELOPING ADVANCED NON-DESTRUCTIVE EXAMINATION TECHNIQUES FOR OIL&GAS PROJECTS
1749. DEVELOPING EXCEL MACROS FOR PART ADDRESS FUNCTION ALIGNMENT
1750. DEVELOPING GEAR TYPE GRIPPERS IN AUTOMATIC PICK AND PLACE MECHANISM IN TRANSFER PRESS.

1751. DEVELOPING MANAGEMENT STRATEGIES FOR SUSTAINABLE SUPPLY CHAIN IN AEROSTRUCTURES BUSINESS
1752. DEVELOPING THE JIT DELIVERY CONCEPT FOR THE LC MATERIAL
1753. DEVELOPMENT & ESTABLISHMENT OF TIGHTENING ASSURANCE SYSTEM
1754. DEVELOPMENT AND PERFORMANCE ANALYSIS OF A MULTI-EVAPORATOR REFRIGERATION SYSTEM
1755. DEVELOPMENT FOR NEW HIGHER HP RANGE TRACTORS.
1756. DEVELOPMENT NEW FRONT END ACCESSORY DRIVE AUTO TENSIONER WITH CYLINDRICAL PLASTIC PLAIN BEARING & SLEEVE DESIGN FOR INTERNAL COMBUSTION ENGINE
1757. DEVELOPMENT OF " KIT ASSEMBLY" CONCEPT FOR COMMON RAIL INJECTOR
1758. DEVELOPMENT OF COST EFFECTIVE PRODUCT SOLUTION FOR BOGIE MOUNTED BRAKE EQUIPMENT (BMBE) FOR SUCCESSFUL PRODUCT LAUNCH
1759. DEVELOPMENT OF COST EFFECTIVE UPS SYSTEM FOR WIND OPERATED ELECTRICITY GENERATOR
1760. DEVELOPMENT OF EQUIPMENT FOR REDUCING STRESS IN HEAVY FABRICATED COMPONENTS TO REDUCE DIMENSIONAL VARIATION
1761. DEVELOPMENT OF EXHAUST SYSTEM'S PART OF FORCE MOTORS TRAX
1762. DEVELOPMENT OF FABRICATED AUTOMOTIVE PART WITH HPDC PROCESS
1763. DEVELOPMENT OF HEAD LAMP CROSS MEMBER FOR PUNTO FACELIFT VERSION VEHICLE
1764. DEVELOPMENT OF HIGH DENSITY INJECTOR CLAMP
1765. DEVELOPMENT OF ISOBUTANE COMPRESSOR FOR RFRIGERATOR
1766. DEVELOPMENT OF KEY INDENTING MACHINE FOR PRODUCTIVITY IMPROVEMENT.
1767. DEVELOPMENT OF OCTAGONAL SPACER DAMPER FOR 1200 KV TRANSMISSION STATIONS
1768. DEVELOPMENT OF SMED SINGLE MINUTE EXCHANGE OF DIES-SETUP TIME REDUCTION TECHNIQUES
1769. DEVELOPMENT OF SURGE PROTECTION CONTROLLER FOR SLIP RING BODY OF WIND OPERATED ELECTRICITY GENERATOR.
1770. DEVELOPMENT OF TEST TO SIMULATION CORRECTION FACTORS FOR TURBO CHARGER COMPRESSOR
1771. DEVELOPMENT OF TURBOCHARGER WITH PRE-HEATER FOR TWO WHEELERS
1772. DFMA ANALYSIS & REDESIGN OF NAVAL BUTTERFLY VALVES
1773. DIGITIZATION OF PROJECT SCHEDULING AND PERFORMANCE MEASUREMENT.
1774. DISSERTATION WORK TITLE: OPTIMIZATION & THROUGHPUT % ACHIEVEMENT OF COCKPIT MODULE DELIVERY FOR PASSENGER CARS BY ASSEMBLY PROCESS RE-ENGINEERING & JIT TOPIC RELATED SCOPE: PRODUCTION SYSTEMS, PLANNING AND CONTROL, JUST IN TIME MANUFACTURING
1775. DOE AND PRODUCT DESIGN
1776. DYANMICS OF MANAGING KEY ACCOUNTS
1777. EFFECTIVE IMPLEMENTATION OF PHASE GATE PROCESS (NEW PRODUCT LIFECYCLE) FOR THE NPD PROJECTS
1778. EFFECTIVE IMPLEMENTATION OF PROJECT MANAGEMENT TO REDUCE LEAD TIME IN NEW PRODUCT DEVELOPMENT.
1779. EFFECTIVE PROJECT ENGINEERING IN PLANT SHUTDOWNS
1780. EFFICIENT PRACTICES IN MATERIAL HANDLING AND TRANSFER
1781. ELIMINATE CUSTOMER COMPLAINT IN CUMMINS CLOC COMPONENT DUE TO DIA 22.24 BORE OPN MISSING
1782. ELIMINATE SUBJECTIVITY IN SEAT PERFORMANCE INSPECTION
1783. ELIMINATION OF CUSTOMER COMPLAINTS IN OUTER COLUMN ASSEMBLY
1784. ELIMINATION OF LEAK REJECTION IN ASSEMBLY LINE USING DOE TECHNIQUE
1785. ELIMINATION OF OIL LEAKAGE IN HYDRAULIC TANK ASSEMBLY
1786. ELIMINATION OF REJECTIONS OF RACK DUE TO WRONG LOADING IN RACK MACHINING LINE
1787. ELIMINATION OF SETTING CHANGEOVER IN FINISHING LINE
1788. EMPHASIZE MODIFICATION PROJECTS IN THE CURRENT OIL AND GAS NICHE MARKET IS THE RIGHT STRATEGY WITH SUSTAINABLE ENGINEERING PARADIGM
1789. ENERGY CONSERVATION & OPTIMIZING EFFICACY-LPG
1790. ENERGY CONSERVATION BY IMPROVING POWER FACTOR OF PLANT
1791. ENERGY CONSERVATION FROM EFFECTIVE PREVENTIVE MAINTENANCE IN PLANT & MACHINERY
1792. ENERGY CONSERVATION THROUGH ENERGY EFFICIENT MACHINES
1793. ENERGY MANAGEMENT

1794. ENERGY MANAGEMENT AT COOPER STANDARD, GZB
1795. ENERGY MANAGEMENT IN MANUFACTURING ORGANIZATION
1796. ENERGY MANAGEMENT IN MANUFACTURING ORGANIZATION.
1797. ENERGY REDUCTION IN REFINING AT STOCK PREPARATION WITH ENZYMATIc FIBRILLATION
1798. ENERGY SAVING IN COMPRESSED AIR SYSTEMS
1799. ENGINEERING CHANGE MANAGEMENT IN TRILLIUM AT DTNA
1800. ENHANCE VALUE ADDITION RATIO IN FUEL FILTER (F3)MANUFACTURING PROCESS
1801. ENHANCE VALUE ADDITION TO THE WET END CHEMISTRY OF PAPER MACHINE BY REPLACING ALKENYL SUCCINIC ANHYDRIDE INSTEAD OF ALKENYL KETENE DIMER IN PAPER MAKING PROCESS
1802. ENHANCEMENT OF PROJECT EXECUTION UNDER NEW ORGANISATIONAL ACQUISITION
1803. ENHANCEMENT OF SHOP FLOOR PRODUCTION SYSTEM
1804. ENHANCEMENT OF STERLITE DOF-LITE SINGLE MODE OPTICAL FIBRE
1805. ENHANCING CURRENT EFFICIENCY IN ELECTROLYSIS PLANT
1806. ENHANCING EFFECTIVENESS OF ROB DRILL EQUIPMENT BY USING MAINTENANCE TECHNIQUES
1807. ENHANCING EFFECTIVENESS, EFFICIENCY & UTILIZATION OF EXISTING PQF TUBING LINE
1808. ENHANCING GEAR BOX ASSEMBLY LINE PRODUCTIVITY BY OPTIMUM DESIGN OF AUTO-REVERSING AND ROTATING OPERATIONS ENHANCING GEAR BOX ASSEMBLY LINE PRODUCTIVITY BY OPTIMUM DESIGN OF AUTO-REVERSING AND ROTATING OPERATIONS
1809. ENHANCING THE PROCESS CAPABILITY FOR FORM & DIMENSIONAL CHARACTERISTICS OF FINISH SEAT GRINDING OPERATION OF NOZZLE NEEDLES.
1810. ESTABLISH THE MANUFACTURING FACILITY FOR WATER TREATMENT PRODUCTS WITH 400/SHIFT CAPACITY.
1811. ESTABLISHING A STANDARD PROCESS FLOW FOR HARNESS ASSEMBLY
1812. ESTABLISHMENT OF ORBITAL WELDING FACILITY AT SUPPLIER'S ORGANIZATION
1813. ESTABLISHMENT OF SMED SYSTEM AT SEAT BELT WEB CUTTING OPERATION
1814. EVALUATION OF MECHANICAL AND TRIBOLOGICAL PROPERTIES OF AL-MG-SI BASED HYBRID COMPOSITE (AL-AA7075)
1815. FEASIBILITY STUDY OF SALVAGE PROCESS FOR TURBOCHARGER COMPONENT
1816. FINAL LINE STATION LENGTH STANDARDIZATION
1817. FIRST TIME RIGHT AND ON TIME DEVELOPMENT OF CONNECTING ROD FOR VIKING PROJECT
1818. FIRST TIME RIGHT NEW PLATFORM MODEL PRODUCTIONIZATION ON TRACTOR LINE BY USING MNPd APPROACH
1819. FIVE FOLD PATH TOWARDS OPERATIONAL EXCELLENCE IN PLANT AND MACHINERY.
1820. FORMULATION OF STRUCTURED PROCEDURE AIMING AT LAUNCH OF DEFECT FREE PRODUCTS MEETING EXISTING/UPCOMING EMISSION REGULATIONS
1821. FORMULATION OPTIMIZATION OF POLYOX BASED MODIFIED RELEASE DRUG DELIVERY SYSTEM
1822. FUEL CONSUMPTION REDUCTION THROUGH INTELLIGENT ALTERNATOR CONTROL – PASSENGER VEHICLES
1823. GENERATION OF CAD MODEL OF INDUSTRIAL COMPONENT FROM MICRO X-RAY COMPUTED TOMOGRAPHY DATA AND ERROR ESTIMATION IN DIMENSIONAL MEASUREMENT
1824. GENSET ASSEMBLY-TIME STUDY AND LINE BALANCING
1825. GLASS BREAKAGE REDUCTION DURING THE PROCESS OF ANNEALING LEHR
1826. HEAT TREATMENT PLANT DATA LOGGING AND REPORTING SYSTEM
1827. HOW TO EFFECTIVELY MANAGE PROJECTS WITH BEST PROJECT MANAGEMENT TOOLS
1828. IDENTIFICATION AND REMOVAL OF DIFFERENT WASTE FROM THE OVERALL MANUFACTURING PROCESS USING THE PRINCIPLES OF LEAN MANUFACTURING AND QUALITY MANAGEMENT TOOLS
1829. IDENTIFY TOTAL COST OF OWNERSHIP (TCO) BASED SAVING OPPORTUNITIES IN MACHINED CASTING SEGMENT THROUGH RESOURCING FROM INDIA
1830. IMPACT ATTENUATION CHARACTERISTICS OF HONEYCOMB CORE
1831. IMPLEMENTATION AND TRACKING OF PERFORMANCE MONITORING SYSTEM FOR LOGISTICS AND SUPPLY CHAIN MANAGEMENT
1832. IMPLEMENTATION OF AUTO CLIMBING FORM WORK IN CONSTRUCTION OF SILO'S AT CEMENT PLANTS.
1833. IMPLEMENTATION OF ENGINE ASSEMBLY DV4/ DRAGON ENGINE LINE
1834. IMPLEMENTATION OF JIT MANUFACTURING

- 1835. IMPLEMENTATION OF JUST IN TIME TECHNIQUES(LEAN MANUFACTURING) IN DEVELOPMENT OF PROCESS FOR TSC09 RENAULT-NISSAN STARTER.
- 1836. IMPLEMENTATION OF LEAN MANUFACTURING IN MINI FLOOR CLEANING EQUIPMENT ASSEMBLY SECTION
- 1837. IMPLEMENTATION OF LEAN SYSTEM IN MAINTENANCE MANAGEMENT SERVICES
- 1838. IMPLEMENTATION OF MSA FOR VISUAL CHARACTERISTICS
- 1839. IMPLEMENTATION OF TOYOTA PRODUCTION SYSTEM IN CORE SHOP.
- 1840. IMPLEMENTATION OF ZERO DEFECTS PRODUCT AT SUPPLIER END TO IMPROVE THE PRODUCT QUALITY CONSISTENCY AND INCREASE THE MARKET SHARE IN COMMERCIAL VEHICLE SEGMENT
- 1841. IMPLEMENTING, EXECUTING & MONITORING OF PROJECTS FOR BRAHMOS GROUND SUPPORT EQUIPMENTS.
- 1842. IMPROVE COST OF QUALITY IN FABRICATION SHOP
- 1843. IMPROVE THE MACHINE AVAILABILITY OF UTILITY EQUIPMENTS BY 10 PERCENT.
- 1844. IMPROVE THE PRODUCTIVITY OF AUTOMATIC WELDING AND SOLDERING MACHINE
- 1845. IMPROVEMENTS IN VALVE GUIDE MANUFACTURING PROCESS
- 1846. IMPROVING FIRST FILL RATE IN FARM DIVISION SPARES BUSINESS
- 1847. IMPROVING FUEL ECONOMY OF INTRA-CITY BUS BY OPTIMIZING ENGINE (ELECTRONIC) PARAMETERS & FEATURES
- 1848. IMPROVING MANUFACTURING EFFICIENCY AND MACHINE LIFE THROUGH INNOVATIVE UP GRADATION FOR SPRAY & REPETITION CHECKING MACHINE USE FOR DN NOZZLE.
- 1849. IMPROVING PRODUCTIVITY AND REDUCTION OF NON VALUE ADDED ACTIVITIES THROUGH LEAN MANUFACTURING.
- 1850. IMPROVING PRODUCTIVITY OF REWORK.
- 1851. IMPROVING QUALITIVITY IN ENGINE ASSEMBLY
- 1852. IMPROVING SUPPLY CHAIN EFFICIENCY USING VALUE STREAM MAPPING
- 1853. IMPROVING THE PRODUCTIVITY IN STENT MANUFACTURING PROCESS USING JUST-IN-TIME MANUFACTURING METHODS
- 1854. IMPROVING THROUGHPUT BY IMPLEMENTING VALUE STREAM MAPPING
- 1855. INCREASING INDIGENOUS BUSINESS OF FUSES THROUGH EFFICIENT SUPPLY CHAIN STRATEGY
- 1856. INCREASING PRODUCTIVITY OF STEEL ERECTION BY ENHANCING PROJECT MANAGEMENT TECHNIQUES
- 1857. INCREASING THE PRODUCTIVITY WITH OUT DEPLETING ENERGY
- 1858. INDIRECT SPOT WELDING TO ASSEMBLY HOOD
- 1859. INNOVATION AND COMPETECNY DEVELOPMENT
- 1860. INNOVATIVE MAINTENANCE PRACTICES FOR RAW COAL GRINDING (RAYMOND BOWL) MILLS
- 1861. INSTALLATION OF ADDITIONAL PNEUMATIC SENSING UNIT” TO REDUCE THE FILTER UNIT CHOCKING.
- 1862. INTEGRATION OF INBOUND LOGISTICS BY EFFECTIVE IMPLEMENTATION OF MILK RUN CONCEPT AND MAPPING OUTPUT VALUES BY VSM(VALUE STREAM MAPPING).
- 1863. INTEGRATION OF LEAN IN INTERNAL LOGISTIC
- 1864. INVENTORY OPTIMIZATION
- 1865. INVESTMENT RECOMMENDATION BASED ON FINANCIAL STATEMENT ANALYSIS OF TATA MOTORS AND ITS CLOSEST COMPETITOR.
- 1866. JOINT FORCES CALCULATION OF WIPER KINEMATICS UNDER STALL LOADING CONDITION & COMPARISON OF RESULTS WITH CAE SOLVERS-LMS VIRTUAL LAB AND ABAQUS
- 1867. KANBAN SYSTEM IN PLANNING, PRODUCTION AND MATERIAL HANDLING
- 1868. KEY PERFORMANCE INDICATORS AND TARGET SETTING IN A PRODUCTION PLANT
- 1869. LAYOUT, PROCESS PLANNING AND IMPLEMENTATION OF THE SAME FOR NEW VEHICLE PROJECT
- 1870. LCV ASSEMBLY SET-UP TIME REDUCTION
- 1871. LEAD TIME REDUCTION FOR PUMP ROTORDYNAMIC ANALYSIS USING LEAN TOOLS
- 1872. LEAD TIME REDUCTION IN ECN IMPLEMENTATION BY PROCESS IMPROVEMENT
- 1873. LEAD TIME REDUCTION OF NEW PRODUCT DEVELOPMENT
- 1874. LEAN AND STANDARDIZED GLUE APPLICATION PROCESS FOR MANUFACTURE OF WIND TURBINE BLADES
- 1875. LEAN AT OFFICE
- 1876. LEAN MANUFACTURING IN PRODUCTION PLANNING & CONTROL
- 1877. LEAN PRODUCTION OF PVDF PAINT PRODUCTS LEAN PRODUCTION OF PVDF PAINT PRODUCTS

1878. LIFT ANALYSIS FOR TYPICAL OFF-SHORE PLATFORM TOPSIDES
1879. LINE BALANCING OF FMJ CONNECTOR MANUFACTURING LINE
1880. LOW PARTICIPATION OF EMPLOYEES IN QUALITY CIRCLE ACTIVITIES AT NALCO'S PANCHPATMALI BAUXITE MINE - THE NEED TO CRITICALLY ANALYSE THE REASONS AND DEVELOP A MODEL FOR INCREASING HIGHER PARTICIPATION.
1881. LT RIM LINE SCRAP REDUCTION
1882. MACHINE TECHNICAL AVAILABILITY IMPROVEMENT THROUGH SHOP FLOOR MANAGEMENT CYCLE
1883. MAGNETIC REFRIGERATION
1884. MANUFACTURING ORGANIZATION AND MANAGEMENT
1885. MANUFACTURING ORGANIZATION AND MANAGEMENT (PRODUCTIVITY IMPROVEMENT IN PRESS MACHINES)
1886. MARKETING MANAGEMENT
1887. MARKETING MANAGEMENT OF QUALITY INSPECTION SERVICES
1888. MEASUREMENT OF EFFICIENCY IN SUPPLY CHAIN FOR OIL & GAS PROJECTS (IN TERMS OF TOTAL LOGISTICAL COST AND PERFORMANCE
1889. MECHANICAL PROPERTY CHARACTERIZATION FOR VARIABLE FIBER VOLUME FRACTION
1890. MICRO EDM MULTIPLE PARAMETER OPTIMIZATION FOR CP-TITANIUM
1891. MODELING & FINITE ELEMENT ANALYSIS OF CBC HEADSTOCK OF ICF A/C COACHES
1892. MODELING DEFECT ANALYSIS AND REDUCTION:LEAN AND SIX SIGMA APPROACH
1893. MTBF IMPROVEMENT FOR HIGH VOLUME TOOLS
1894. NEW DIE MAINTENANCE AREA SET UP FOR INHOUS DIE MAINTENANCE & PRODUCTIVITY INCREASE BY DIE MAINTENANCE ACTIVITY
1895. NEW FAIR & LOVELY PLANT AT FISCAL INCENTIVE SITE-ASSAM
1896. NEW PRODUCT (TOOL) DESIGN & DEVELOPMENT FOR BENDING THE PART (FLAT PACK) IN ASSEMBLY
1897. NEW PRODUCT DEVELOPMENT - A CHALLENGE IN THE AUTOMOBILE WORLD
1898. NEW PRODUCT DEVELOPMENT OF BACK DOOR HINGE
1899. NEW PRODUCT DEVELOPMENT OF BOX TERMINAL FOR HIGH TEMPERATURE APPLICATION
1900. NEW PRODUCT DEVELOPMENT PROCESS FOR MANUFACTURING INDUSTRIES
1901. NEW PRODUCT DEVELOPMENT USING VIRTUAL MANUFACTURING ENGINEERING
1902. NEW PRODUCT INTRODUCTION IN MANUFACTURING INDUSTRY
1903. NEW VENDOR SELECTION AND DEVELOPMENT FOR ADDITIONAL MANUFACTURING UNIT BEING SET UP AT AMBERNATH
1904. OEE IMPROVEMENT IN CHAFFER SLITTER MACHINE
1905. OFFICE 5S IMPLEMENTATION
1906. ONGOING PROCESS IMPROVEMENT FOR A NEW MANUFACTURING PRODUCT – S36 SUBFRAME
1907. ONSHORE OIL AND GAS INDUSTRIAL SAFETY INTEGRITY LEVEL CONTROL SYSTEM FOR EMERGENCY SHUTDOWN
1908. OPTIMIZATION OF COLD FORGING PROCESS TO REDUCE QUALITY ISSUES BY USING PROBLEM SOLVING METHODS AND STATISTICAL PROCESS CONTROL APPROACH
1909. OPTIMIZATION OF CUTTING PARAMETERS IN CNC MILLING PROCESS USING TAGUCHI METHOD
1910. OPTIMIZATION OF ENERGY UTILIZATION IN FACTORIES
1911. OPTIMIZATION OF FORGING PARAMETERS FOR AEROSPACE GRADE ALUMINIUM ALLOYS FORGINGS TO ACHIEVE FINE GRAIN SIZE
1912. OPTIMIZATION OF MILLING OPERATIONS USING ARTIFICIAL NEURAL NETWORKS (ANN) AND SIMULATED ANNEALING ALGORITHMS (SAA).
1913. OPTIMIZATION OF PROCESS CONTROLS & ACCURACY OF INSTRUMENTATION FEEDBACKS TO INCREASE OUTPUT OF CEMENT MILL'S BY 1TON/HR. FOR EACH (4NOS) CEMENT MILL.
1914. OPTIMIZATION OF THE USAGE/MAINTENANCE OF HIGH PRESSURE GENERATING EQUIPMENT FOR TESTING AND VERIFICATION OF DRILLING TOOLS
1915. OPTIMIZING THE COST OF OWNERSHIP FOR THE CUSTOMER
1916. ORDER-TO-DELIVERY CYCLE TIME REDUCTION IN MADE-TO-ORDERS FOR CUSTOMIZED JEWELLERY PRODUCTS
1917. OUTSOURCING AND ITS ROLE IN LEVERAGING FLEXIBILITY IN AUTOMOTIVE INDUSTRY
1918. OVERHAULING AUGMENTATION OF JET NOZZLES
1919. PAINT ATM - ONLINE PAINT AND HARDENER PAINT MIXING UNIT
1920. PAINT SHOP YIELD IMPROVEMENT

1921. PERFORMANCE ANALYSIS FOR METRO PROJECTS
1922. PILOT IMPLEMENTATION OF KITTING CONCEPT
1923. POKA-YOKE FOR WRONG WIRING HARNESS SETS IN TRUCKS
1924. POWER ELECTRONIC TRACTION TRANSFORMER-LOW VOLTAGE PROTOTYPE
1925. PRECISION AND CONTROL WITH ULTRA SIDE GATE SYSTEM
1926. PROBLEM REPORTING & RESOLUTION FOR IMPROVING SUPPLIER PERFORMANCE
1927. PROCESS DESIGN AND DEVELOPMENT OF STATIONARY SPOT WELDING AND PROJECTION WELDING AREA
1928. PROCESS IMPROVEMENT IN MANUFACTURING OF MOTORCYCLE CHAIN COVER
1929. PROCESS IMPROVEMENT OF A DRUG PRODUCT
1930. PROCESS IMPROVEMENTS BY PFMEA AND CONTROL PLAN TECHNIQUES
1931. PROCESS INNOVATION IN ALUMINIUM FOUNDRY LINE TO IMPROVE SAFETY
1932. PRODUCT APPLICATION DEVELOPMENT-INTEGRATION OF UPLC H CLASS WITH MASS SPECTROMETER FOR HIGHLY EFFECTIVE METHOD DEVELOPMENTS AND MAXIMUM PRODUCTIVITY.
1933. PRODUCT DESIGN DEVELOPMENT IN OFF HIGH WAY VEHICLES TO MEET GLOBAL MARKET STRATEGIC.
1934. PRODUCT DESIGN OF FAST CHARGING FEATURE IN ELECTRICAL CAR
1935. PRODUCT DESIGN PROCESS
1936. PRODUCT DEVELOPMENT BY IMPROVED TOOL LIFE AND PROCESS CAPABILITY IN COLD FORGING PROCESS
1937. PRODUCT DEVELOPMENT OF PERSONAL KARAOKE SYSTEM
1938. PRODUCT DEVELOPMENT OF PROTO TYPE FAST CHARGE STATION FOR ELECTRICAL CAR
1939. PRODUCTION EFFICIENCY IMPROVEMENTS
1940. PRODUCTION PROCESS IMPROVEMENT AND MANPOWER REDUCTION THROUGH KIZEN ACTIVITY
1941. PRODUCTIVITY & PROCESS IMPROVEMENT THROUGH VALUE STREAM MAPPING
1942. PRODUCTIVITY AND QUALITY IMPROVEMENT THRU :- - PROCESS ASSURANCE STRENGTHENING - TOTAL QUALITY MANAGEMENT IMPLEMENTATION SUPPLY CHAIN
1943. PRODUCTIVITY ENHANCEMENT BY USING JCB PRODUCTION SYSTEM
1944. PRODUCTIVITY IMPROVEMENT AND COPQ REDUCTION IN MANUFACTURING OF VACUUM PUMP
1945. PRODUCTIVITY IMPROVEMENT BY CYCLE TIME REDUCTION
1946. PRODUCTIVITY IMPROVEMENT BY LOSSES REDUCTION- MACHINE
1947. PRODUCTIVITY IMPROVEMENT BY MATERIAL CALL SYSTEM IN WASHING MACHINE MANUFACTURING LINE
1948. PRODUCTIVITY IMPROVEMENT BY REDUCING IN-HOUSE REJECTION IN THERMOSTAT ASSEMBLY BY USING DMAIC PROCESS
1949. PRODUCTIVITY IMPROVEMENT IN ATMO MAKE HYDROEROSION LINES FOR VALVE PIECE
1950. PRODUCTIVITY IMPROVEMENT IN AXLE MACHINING
1951. PRODUCTIVITY IMPROVEMENT IN COMMON RAIL BODY HARD STAGE LINE.
1952. PRODUCTIVITY IMPROVEMENT IN COMMON RAIL INJECTOR BODY CLEANING MACHINE BOSCH, NASHIK
1953. PRODUCTIVITY IMPROVEMENT IN ENGINE SUB ASSEMBLY LINE USING LEAN TECHNIQUES.
1954. PRODUCTIVITY IMPROVEMENT IN HEADERS MANUFACTURING THROUGH MECHANISED WELDING TECHNOLOGY.
1955. PRODUCTIVITY IMPROVEMENT IN MANUFACTURING OF ROTOR HOUSINGS
1956. PRODUCTIVITY IMPROVEMENT IN MICRO CELLULAR URETHANE PROCESS
1957. PRODUCTIVITY IMPROVEMENT IN MOPED CARRIER THROUGH AUTOMATION
1958. PRODUCTIVITY IMPROVEMENT IN NOZZLE HOLDER BODY MANUFACTURING
1959. PRODUCTIVITY IMPROVEMENT IN OIB AXLE HOUSING ASSEMBLY
1960. PRODUCTIVITY IMPROVEMENT IN PAINTING
1961. PRODUCTIVITY IMPROVEMENT IN RAWMILL (BALL MILL)
1962. PRODUCTIVITY IMPROVEMENT IN SUPPLY MODULE – (WARE HOUSE ACTIVITY)
1963. PRODUCTIVITY IMPROVEMENT IN VERTICAL ROLLER COAL MILL
1964. PRODUCTIVITY IMPROVEMENT OF ELEMENT ASSY LINE
1965. PRODUCTIVITY IMPROVEMENT OF LSPV ASSEMBLY LINE & ITS IMPACT ON PROFITABILITY
1966. PRODUCTIVITY IMPROVEMENT THROUGH REMOTE MONITORING OF PROCESS PLANTS

1967. PRODUCTIVITY IMPROVEMENTS IN MANUFACTURING ALUMINUM POWER TRAIN PARTS.
1968. PRODUCTIVITY IMPROVEMENTS THROUGH WORK STUDY IN WELD SHOP
1969. PRODUCTIVITY TRANSFORMATION THROUGH ORBIT SHIFTING INNOVATION AT SPICER"
1970. PRODUCTIVITY, LEADTIME AND RIGHT FIRST TIME IMPROVEMENT THROUGH PROCESS IMPROVEMENT
1971. PROJECT MANAGEMENT FOR HYDRO CYCLONE CLUSTER PROJECTS
1972. PROJECT ON GREEN CHANNEL(NON INSPECTION)
1973. PROJECT REPORT ON AVAILABILITY IMPROVEMENT TO INCREASE PRODUCTIVITY
1974. PROJECT REPORT ON BENCHMARKING OF MAINTENANCE PRACTICES
1975. PROVING LINE FLOW PRODUCTION CONCEPT COMPRISING ASSEMBLY, TESTING & PAINTING FOR HYDRAULIC CYLINDER
1976. PULL & LEVELING FOR GLOW PLUGS
1977. PULL IMPLEMENTATION IN HDK VALUE STREAM
1978. QC PROBLEM SOLUTION IN BEARING HOUSING MACHINING
1979. QUALITY AND RELIABILITY IMPROVEMENT IN SCORPIO DOOR LOCK MECHANISM.
1980. QUALITY CONTROL ASSURANCE & RELIABILITY (REDUCTION OF REJECTION IN COMPRESSOR WHEEL MANUFACTURING CELL – PASSENGER CAR SEGMENT)
1981. QUALITY CONTROL ASSURANCE&RELIABILITY (REDUCE REJECTION OF MILLING HEIGHT DEFECT IN VOLVO CAM SHAFT BEARING HOUSING ASSEMBLY)
1982. QUALITY E-TOOLS DEVELOPMENT
1983. QUALITY IMPROVEMENTS AND LEAN IMPLEMENTATION IN ASSEMBLY PROCESS PLANNING
1984. QUALITY MANAGEMENT SYSTEM IN ITS DIGITECH PVT LTD. (AS9100 REV.'C')
1985. QUALITY PROCESS IMPLEMENTATION IN PRODUCT LIFECYCLE MANAGEMENT SYSTEM
1986. QULITY MANAGEMENT SYSTEM-QUALITY AMELIORATION
1987. REAL TIME REMOTE MONITORING & CONDITION BASED MAINTENANCE OF DIESEL ENGINES
1988. REALIGNING INJECTION MOLDING AND ULTRASONIC WELDING PROCESSES FOR INCREASED PRODUCTIVITY OF TRUMPET ASSEMBLY.
1989. REDUCE BREAKDOWN HOURS IN SANJI 800T DIE CASTING MACHINE
1990. REDUCE CUSTOMER COMPLAINT THROUGH QUALITY TOOLS
1991. REDUCE THE DPU (DEFECTS PER UNIT) OF BACKHOE LOADER IN FIELD BY SIX SIGMA METHODOLOGY
1992. REDUCE THROUGHPUT TIME OF OIB TRACTOR MODELS IN CELL-1
1993. REDUCING GAUGING COST FOR RAIL CELL
1994. REDUCTION IN ASSEMBLY REJECTION & FAILURE COST OF VALVE ASSEMBLY DUE TO LEAKAGE
1995. REDUCTION IN THE SPECIFIC ENERGY CONSUMPTION OF RAWMILL-2 BY IMPROVISING THE PER HOUR MILL OUTPUT AND MILL CIRCUIT MODIFICATION.
1996. REDUCTION OF ASSEMBLY DEFECTS PER VEHICLE(DPV)THROUGH PROBLEM MANAGEMENT PROCESS(MPM)
1997. REDUCTION OF BUTT WELDING PROCESS REJECTION
1998. REDUCTION OF DEFECTIVE JOINTS PRODUCED USING ORBITAL TIG WELDING MACHINE TO SIX SIGMA LEVEL
1999. REDUCTION OF ENERGY CONSUMPTION OF AIR SUPPLY PLANT IN TATA MOTORS, POWER TRAIN FACTORY
2000. REDUCTION OF FAILURES IN BELT CONVEYOR AT THERMAL POWER PLANT
2001. REDUCTION OF LEAD TIME IN ASSEMBLY LINE AT VBI USING THE PRINCIPLES OF VOLVO PRODUCTION SYSTEM (VPS)
2002. REDUCTION OF LEAD TIME IN TRANSMISSION ASSEMBLY LINE THROUGH LEAN TOOLS
2003. REDUCTION OF MANUAL PROCESS IN LINER INSERTION OPERATION TO INCREASE PRODUCTIVITY.
2004. REDUCTION OF NON VALUE ADDED(NVA) DONE IN INTERNAL MACHINE SHOP OF CATERPILLAR INDIA PVT. LTD.
2005. REDUCTION OF PASTE SCRAP IN 5.0AH NEG. PLATES FROM 1.15 TO 0.39%
2006. REDUCTION OF REJECTION IN TORQUE TEST
2007. REDUCTION OF REJECTIONS IN ROTOR PUMP BY PROCESS STUDY AND PROCESS ESTABLISHMENT.
2008. REDUCTION OF REJECTIONS THROUGH IMPLEMENTATION OF "STATISTICAL PROCESS CONTROL"
2009. REDUCTION OF SETUP REJECTION IN HOBBING
2010. REDUCTION OF SIDE WALL REWORK

2011. RE-IMPLEMENTATION OF PLANT MACHINERIES(LEAN MANUFACTURING APPROACH)
2012. REJECTION ANALYSIS AND REDUCTION IN MACHINE SHOP
2013. RELIABILITY WITH LEAN MAINTENANCE IN HMEL
2014. REPAIR CIRCUIT FOR TECH SPARES
2015. RESOLUTION OF QUALITY FOR TUBE DRAWINGS (DETAILING) IN HYDRAULICS TEAM
2016. RESOURCES PLANNING FOR INDUSTRIAL PROJECTS IN MIDDLE EAST COUNTRIES
2017. REVERSE ENGINEERING OF CENTRIFUGAL PUMPS USED IN X RAY TUBES
2018. REVIEW AND ANALYSIS OF WIREWAYS GROOVE ON 5200, 7600 AND 9600 GEO-PILOT DRIVESHAFT WITH RECOMMENDATION OF ALTERNATIVE WIRING SYSTEM
2019. ROBOTICS BREAKDOWN TIME REDUCED –INCREASE PRODUCTION AT MANUFACTURING PROCESS
2020. ROBUST DESIGN OF HVAC UNIT DASH PANEL MOUNTING
2021. SAFETY STOCK OPTIMIZATION OF COMPONENTS AT R-TRANSMISSION HARD MACHINING LINES.
2022. SAP PM AND MAINTENANCE INTEGRITY EXECUTION (MIE) BY USING DATA CHECKER TOOL
2023. SCRAP REDUCTION AND OUTFLOW PREVENTION FROM BOLT WELDING PROCESS IN LP1203 AUTO WHEEL.
2024. SEAL REMOVAL TOOL FOR ROTARY JOINT IN DECOKING SYSTEM
2025. SENSITIVITY ANALYSIS USING BLOCK SIMULATION
2026. SHIPPING CONFIGURATION PROJECT MANAGEMENT
2027. SINGLE-PIECE FLOW FOR TERMINAL ASSEMBLY
2028. SIX SIGMA PROJECT ON FIRST PASS YIELD OF CAT5E PATCH CORD ASSEMBLY LINE
2029. SMA CHANGEOVER TIME REDUCTION BY 50 % FOR ERICSSON INDIA
2030. SOLAR POWERED SOLAR PASSIVE (SOP2) OFFICE BUILDING INSTALLATION PLAN AND STUDY @ IIT INDORE
2031. SOLVENT RECOVERY IMPROVEMENT
2032. SPARE PARTS MANAGEMENT
2033. STANDARDIZATION OF DEVELOPMENT PROCESS TO REDUCE LEAD TIME OF NEW PRODUCT DEVELOPMENT
2034. STANDARDIZED WORK IMPLEMENTATION AT FLEXI ASSEMBLY INJECTOR LINE 1 OF MFH VALUE STREAM.
2035. STATISTICAL PROCESS CONTROL AND PROCESS CAPABILITY MONITORING AT COMPRESSOR AEROFOIL FORGING MANUFACTURER
2036. STEERING CLOUMN TESTING MACHINE
2037. STEERING KNUCKLE
2038. STRATEGIC ANALYSIS OF INDIAN BUS MARKET AND NEW PRODUCT LAUNCH STRATEGY FOR TATA MOTORS
2039. STRATEGIC ANALYSIS OF INTERNATIONAL BUS MARKET & BUSINESS OPPORTUNITIES FOR TATA MOTORS
2040. STRATEGIC MANAGEMENT AT ISRO SATELLITE CENTRE
2041. STREAMLINING MANUFACTURING ACTIVITIES OF STEERING SYSTEM
2042. STREAMLINING MATERIAL MANAGEMENT THROUGH ERP
2043. STUDY OF EFFECTIVE&EFFICIENT UTILISATION OF RESOURCES FOR 3 COAT 1 BAKE TECHNOLOGYDEVELOPMENT IN HYUNDAI MOTORS INDIA ,PAINT SHOP
2044. STUDY OF OIL FLOW OPTIMIZATION AND EFFECT OF DIFFERENT VISCOSITY LUBRICANTS,AERATION EFFECTS.
2045. STUDY OF PERFORMANCE MANAGEMENT SYSTEM WITH THE USE OF TOOL "BALANCED SCORE CARD"
2046. STUDY OF THE EFFECT OF CAPILLARY TUBE AND INSULATION ON ENERGY CONSUMPTION IN DOMESTIC REFRIGERATORS
2047. STUDY ON INVENTORY MANAGEMENT SYSTEM IN AUDCO INDIA LTD (L & T VALVES LTD)
2048. STUDY, ANALYSIS AND IMPROVEMENT OF WORK IN PROGRESS MANAGEMENT SYSTEM FOR PRODUCTIVITY ENHANCEMENT AT EVERSENDI ENGINEERING FZE (STRUCTURAL STEEL FABRICATION SHOP).
2049. STUDY,ANALYSE & RE-DESIGN A OPTIMISED 4WD AXLE ASSEMBLY LINE TO MEET 5 YEAR CAPACITY PLAN USING LEAN (TPS) PRINCIPLES
2050. SUBSTATION CONTROL SYSTEM
2051. SUPPLIER DEVELOPMENT & PRODUCTIVITY IMPROVEMENT ACTIONS TO REDUCE SUPPLIER REJECTIONS IN CLUTCH HUB

- 2052. SUPPLIER DEVELOPMENT INITIATIVES TO HAVE A LONG TERM STRATEGIC PARTNERSHIP WITH A TIER 1 SUPPLIER
- 2053. SUPPLIER PERFORMANCE MEASUREMENT SYSTEM
- 2054. SUPPLIER SELECTION IN SUPPLY CHAIN BY APPLYING ANALYTICAL HIERARCHY PROCESS
- 2055. SUPPLY CHAIN MANAGEMENT OF RADIOGRAPHY SOURCES
- 2056. SUPPLY CHAIN MODULE
- 2057. SUPPLY-CHAIN AUTOMATION
- 2058. SUSTAINABILITY THROUGH RESEARCH AND DEVELOPMENT
- 2059. SUSTAINABLE MANUFACTURING (ENRICHMENT IN THERMAL SUBSTITUTION RATE (TSR) BY USING MAXIMIZATION OF PLASTIC POLYTHENE WASTE & TYRE DUST)
- 2060. SYSTEM CIP APPROACH FOR LEAN MANUFACTURING
- 2061. TECHNO-ECONOMIC FEASIBILITY REPORT FOR PUTTING REPACKING UNIT FOR SMALL PACK OF WHITE CEMENT AND ITS VALUE ADDED PRODUCTS
- 2062. TO ACHIEVE ZERO DEFECT IN GEN-SET INTEGRATION PROCESS FOR PROJECT BUSINESS
- 2063. TO ELIMINATE INTER UNIT TRANSFER PARTS DEFECTS FOR MDI ENGINE.
- 2064. TO IMPROVE LINE BALANCING EFFICIENCY THROUGH MOST
- 2065. TO INCREASE THE FIRST PASS YIELD (FPY) OF EMERGING EXPORTS MARKET (EEM) TRACTORS IN CELL 5
- 2066. TO INCREASE THE PRODUCTION CAPACITY OF PLANT BY INSTALLING 'DECOLORIZER'
- 2067. TO INCREASE THE PRODUCTIVITY IN CYLINDER BLOCK MACHINING BY INCREASING TOOL LIFE AND REDUCING REJECTION OF CASTING DEFECTS.
- 2068. TO REDUCE QUALITY TURN BACKS & REWORK ON ELECTRODE MANUFACTURING
- 2069. TO REDUCE WELD DEFECTS OF BOGIE FRAME DURING RADIOGRAPHY TESTING
- 2070. TOTAL PRODUCTIVE MAINTENANCE
- 2071. UNDERSTANDING CUSTOMER NEED IN THE NEW PRODUCT DEVELOPMENT CONTEXT
- 2072. UNIFICATION OF TWO BODY SHOP INTO A SINGLE BODY SHOP FOR OPTIMIZED USE OF RESOURCES
- 2073. UNIVERSAL CART AND DOCKING DESIGN PROJECT
- 2074. UP GRADATION, DESIGNING & PROGRAMMING OF PRINTING MACHINE ON SIEMENS S7-200 PLC USING MICROWIN (PROGRAMMING SOFTWARE).
- 2075. UPGRADATION OF ELECTRICAL CONTROL SYSTEM OF CRANK PRESS
- 2076. UPGRADE & REVAMP OF RECIPROCATING COMPRESSOR FOR CHANGE IN PROCESS CONDITIONS
- 2077. USE OF LEAN TOOLS FOR DESIG,DEVELOPMENT AND OPTIMIZATION OF TORPEDO TAIL EXTRUSION DIE
- 2078. VALUE ANALYSIS (REDESIGN) OF HIGH PERFORMANCE END CONNECTORS IN CONVEYANCE APPLICATIONS FOR AEROSPACE
- 2079. VALUE ENGINEERING ANALYSIS BY AUTO TRAY FEEDING METHOD FOR KALPUR PRODUCTS RESULTING SIGNIFICANT COST SAVINGS
- 2080. VALUE ENGINEERING APPROACH TO ACHIEVE COST REDUCTION AND TO IMPROVE PRODUCTIVITY BY CYCLE TIME REDUCTION
- 2081. VALUE ENGINEERING BY TOOL DESIGN OPTIMIZATION
- 2082. VALUE ENGINEERING OF VEHICLE SEAT RECLINERS BY REDESIGNING OF SHAFT
- 2083. VALUE STREAM MAPPING FOR MAKE TO ORDER PRODUCT
- 2084. VE5102 PRODUCTION MANAGEMENT
- 2085. VIRTUAL MANUFACTURING FOR DESIGN ENGINEERS
- 2086. WARRANTY COMPLAINT ANALYSIS OF HIGH CLUTCH PEDAL EFFORT IN SMALL CAR BY USING EFFECTIVE PROBLEM SOLVING APPROACH
- 2087. WARRANTY MANAGEMENT IN THE ERA OF MOVING FROM DOMESTIC TO INTERNATIONAL PLAYER
- 2088. WASTE ELIMINATION IN MAGNETIC ACTUATOR
- 2089. WASTE REDUCTION IN PVD ASSEMBLY
- 2090. YIELD AND PRODUCTIVITY IMPROVEMENT IN SYNCHRONIZER HUBS
- 2091. ZERO DEFECT – SUPPLIER DEVELOPMENT PLAN

STATEMENT OF DEGREES AWARDED

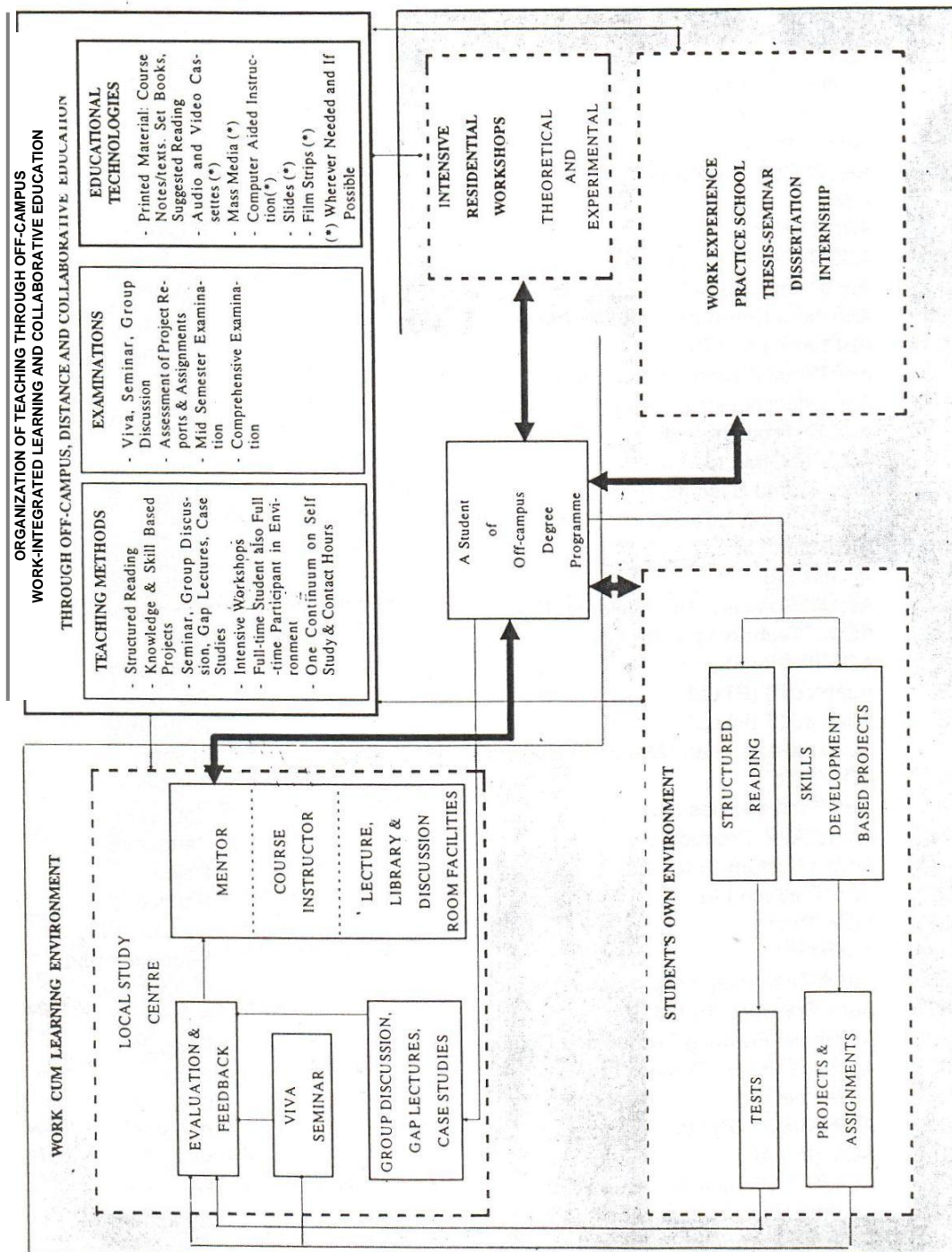
Degrees	No. of degrees	
	74 th Award (29.03.2014)	75 rd Award (16.07.2014)
A. Integrated First Degrees		
<i>B.S.</i>		
Engineering Design	32(06)	-
Engineering Technology	207(09)	234(14)
Information Systems	85(17)	25(00)
Manufacturing Engineering	-	79(02)
Marine Engineering	229(06)	112(00)
Nautical Technology	74(00)	41(00)
Optometry	36(23)	51(33)
Physician Assistant	-	35(28)
Process Engineering	26(00)	39(01)
	104(00)	-
Sub Total	793(61)	616(78)
B. Higher Degrees		
<i>M.S.</i>		
Consciousness Studies	1(01)	-
Consultancy Management	4(01)	80(10)
Design Engineering	3(00)	-
Embedded Systems	65(13)	3(00)
Engineering Management	-	1(00)
Manufacturing Management	153(07)	262(11)
Medical Laboratory Technology	-	1(0)
Microelectronics	36(08)	-
Pharmaceutical Operations & Management	-	47(02)
Quality Management	9(02)	119(18)
Software Engineering	796(363)	247(83)
Software Systems	528(122)	791(200)
Systems Engineering	40(11)	3(00)
Telecommunications & Software Engineering	14(06)	123(31)
Sub Total	1649(534)	1677(356)
<i>M.Phil.</i>		
Hospital and Health Systems Management	2(00)	23(16)
Optometry	-	7(04)
Sub Total	2(00)	30(20)
Total	2444(595)	2323(454)

Note: The numbers in brackets indicate number of female students.

SUMMARY

Award	74 th	75 th	Total
Integrated First Degrees	793(061)	616(078)	1409(139)
Higher Degrees	1651(534)	1707(376)	3358(910)
Total	2444(595)	2323(454)	4767(1049)

Note: The numbers in brackets indicate number of female students.



A Schematic depicting Person-centred Approach to a Student's Programme of Study in the Off-campus, Education System under Work Integrated Learning Program viewed from the Student's stand-point