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Appendix 'J' : Ref. BG Agenda Item No. 71.13

Appendix 'G': Ref. GB Agenda Item No. 57.08

RESEARCH AT BITS 2017



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PREFACE

Research activities at BITS encompasses work conducted by large number of students at all levels in the three-tier structure of the educational programmes. At the first-degree level, a one-semester full-time thesis-seminar course and at the higher degree level a dissertation course offer excellent opportunities to bright students to be involved in research. In the doctoral programme, a large number of Ph.D. students located on-campus, as well as off-campus locations, are engaged in research work in various research areas. The Institute's linkages with industries, R&D Centres and other institutions in the country and abroad have given a further thrust to the research activities of the Institute.

BITS relies on the motivated intellectual manpower pool available among its staff and students. Teachers conduct research as an integral part of their responsibilities since this enables them to assimilate and disseminate the knowledge as well as generate new knowledge. In addition to this, BITS has devised innovative schemes to enable professionals-at-large to conduct research at their place of work and simultaneously work for the Ph.D. degree of the Institute.

“Research at BITS” gives details of the different research, consultancy and publication related information involving faculty in the different campuses of BITS. The annexures to the document, list the research projects carried out at all the three tiers of education in the Institute during the year 2017. The research publications in SCOPUS indexed journals and research areas of the faculty are given in the annexures.

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Summary

Over past five years, BITS Pilani is aggressively pursuing an agenda for research and innovation, which includes (i) expansion of academic research conducted at all three tier of education; First Degree, Higher degree and PhD level, and (b) innovation and entrepreneurship through sponsored research and consulting. BITS has taken several initiatives to support and cultivate research culture at all four campuses. This report summarizes the growth of both academic as well as sponsored research.

1. Academic Research:

BITS continue to make it more attractive for students to join PhD programme by taking several initiatives -

- Enabled professionals working in organizations in the vicinity of BITS campuses to join our PhD programme on a Part- Time basis.
- In order to attract bright students into research, the tuition fee to all Full Time Ph D students has been reduced by 90%. Similarly, the tuition fee for Part Time PhD and PhD Aspirants has been reduced by 80%.
- While BITS is expected to pay a stipend to 50% of all full time PhD students, the number of PhD students receiving scholarships from CSIR/UGC/ICMR/DBT etc or by sponsored R&D has grown significantly from 23 in 2010 to 2218 in 2017.

BITS has demonstrated a satisfactory growth in research at all three tiers of education.

- Number of PhD degree awarded has witnessed an increase from 55 in 2010, to 112 in 2017.
- Dissertation projects by Higher Degree students have grown from 61 to 140, since 2010.
- Thesis projects completed by First Degree students have grown from 139 to 743, since 2010.
- Number of research papers published by faculty members in SCOPUS indexed journals, have increased from 235 to 878, since 2010.

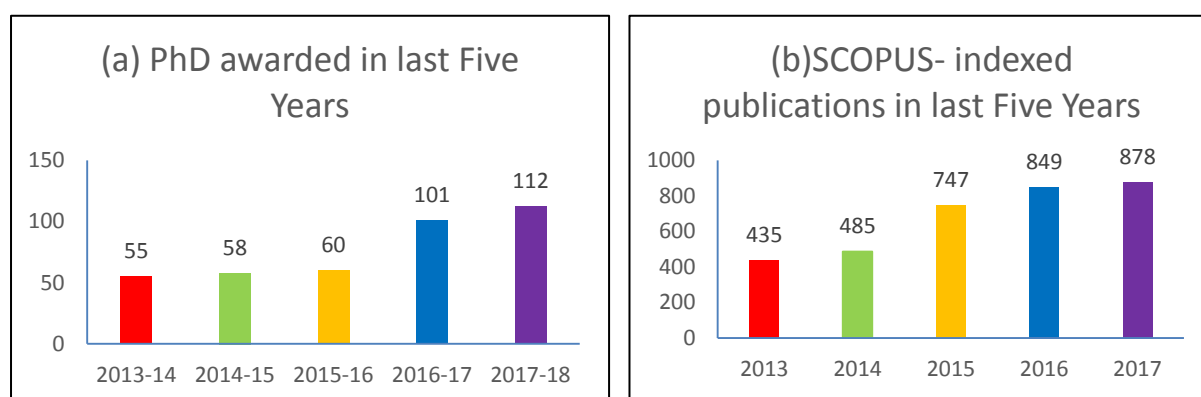


Fig1. Growth of research (a) number of PhD degree awarded and (b) research papers published by BITS faculty in SCOPUS index journals, *in since 2013.*

2. Sponsored Research and consulting:

BITS Pilani under its vision 2020 has set a goal to be among the top 10 research universities in Asia. Through its mission 2012 and 2015, various initiatives were taken to enhance the research capabilities. As a result during 2017-18, sponsored research and consultancy has significantly grown from Rs. 19.4 crore /year average of 5 year to Rs. 27 crore (+39%) in 2017-18 till Feb. 2018. During 2017-18, 253 externally funded sponsored R&D projects worth Rs. 73.33 cr. were ongoing. Of this, 65 projects worth Rs.15.20 cr. were completed. A total of 18 infrastructure grants (Rs. 7.45 cr.) from DST under FIST scheme were ongoing. During the period 23 patent applications were filed.

Following are the important highlights of the research;

- In 2017-18 (till Feb 2018), 93 newly funded sponsored R&D projects worth Rs 27 cr. have been approved.

- During 2017-18, 23 new patent applications were filed including 6 international patent applications namely USA, European Patent, Canada, Australia, Mexico and Japan.
- 13 Industry projects worth Rs. 1.34 cr. were received from various Industries namely Tubes Investment of India Ltd., RTI International USA, Deccan Fine Chemicals Pvt. Ltd., UNICHEM Ltd., IFB Pvt. Ltd., NATCO Pharma, Sarudbhava Formulations Pvt. Ltd., Incisive Elements USA, Axis Clinpharma, Etica Clinpharma, Slyback Pharma etc.
- 3 research infrastructure grants (Rs. 3.4 cr.) from Department of Science and Technology, New Delhi under FIST scheme were awarded to Department of Physics, K.K. Birla Goa Campus (Rs. 1.45 cr.), Department of Physics Pilani Campus (Rs. 1.15cr), and Department of Biological Sciences, K.K. Birla Goa Campus (Rs.0.80 cr).
- A major research project worth Rs. 1.6 cr. from the Department of Biotechnology, New Delhi was awarded to Prof. M Srikanth, Department of Biological Sciences, K.K. Birla Goa Campus in the area waste to energy by anaerobic co digestion of food waste and septage
- Prof. K. Naga Mohan of Biological Sciences, Hyderabad Campus received a major grant of Rs. 1.38 cr. from Department of Biotechnology New Delhi in the area of oral cancer prognosis.
- An international grant of EURO 135,000 (Rs.1.2 cr) under EU INDIGO project with SINTEF Ocean Norway was awarded to Prof Souvik Bhattacharyya (Vice Chancellor and Sr Professor, Pilani) as Principal Investigator together with Prof MS Dasgupta and Dr. S Routroy, Department of Mechanical Engineering Pilani Campus.
- Prof. D. Sriram of the Department of Pharmacy, Hyderabad Campus was awarded Indo-Swedish international project (0.67 cr) with Karolinska Institute Sweden in the area of drug discovery.
- Dr. S Murugesan, Department of Pharmacy was awarded an Indo Spanish project worth Rs. 0.50 cr in the area of Nano formulation.
- Prof. A.K. Sarkar (Director Pilani Campus and Sr Professor Civil Engg.) received a project from NHAI for Rs 0.53 cr.
- Prof S.B Singh, Department of Civil Engineering, Pilani Campus received a joint project with CEERI Pilani worth Rs. 0.70 cr.
- Dr H.D. Mathur (EEE,Pilani Campus), Dr Sanhita Roy with Dr Swati Biswas (Pharmacy, Hyderabad Campus), Dr. V. Vamsi Krishna Venuganti , (Pharmacy, Hyderabad Campus), Prof Anupama K.R.(EEE,KK Birla Goa Campus) were also awarded projects worth (0.50 cr) each.
- Funding agencies being Council of Scientific and Industrial research (CSIR), Department of Science and Technology (DST), Science and Engineering Research Board (SERB), Department of Biotechnology (DBT), Department of Science and Technology DST-Rajasthan, Indian Council of Medical Research (ICMR), Defence Research and Development Organization (DRDO), National Highway Authority of India (NHAI), Board of Research in Nuclear Science (BRNS, Dept. Of Atomic Energy), Indian Space Research Organization (ISRO), Department of Science Technology & Environment Goa (DSTE, Goa), Indian Council of Social Science Research (ICSSR).

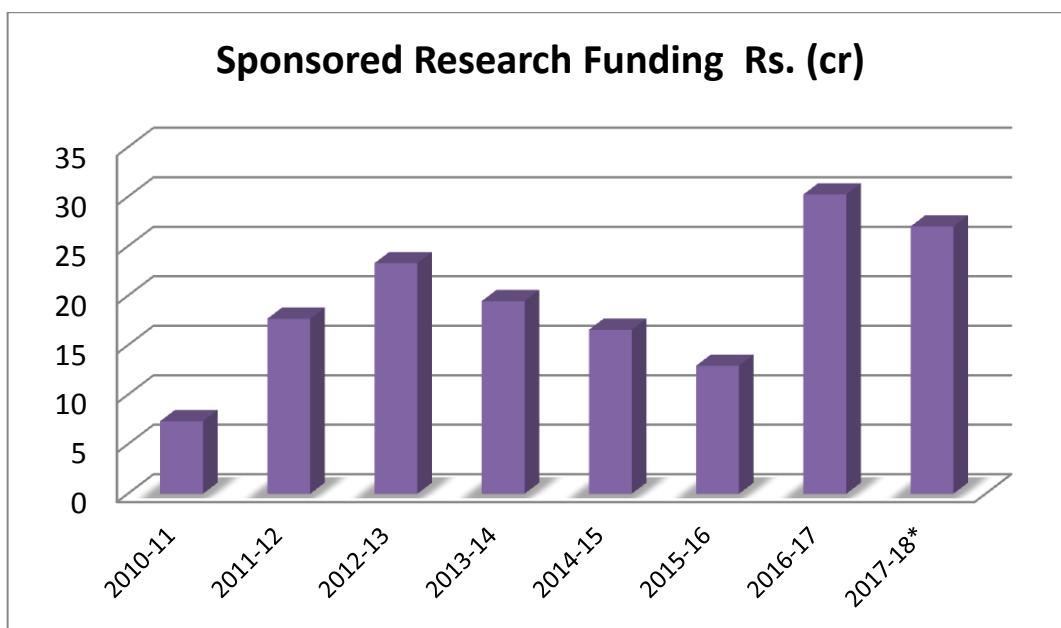


Fig 2: Funding pattern for sponsored research (2010-11 to Feb. 2017-18)

II. INTRODUCTION

Promotional Efforts for Research

Research Initiation Grant

Research Initiation Grant is aimed to enable the beginning of research and related activities for a newly recruited faculty who has significant potential to attract external research funding. Grant is awarded soon after joining BITS for upto Rs 2.0 lakhs to be spent within 24 months of appointment.

Seed Grant Scheme of the Institute

The Institute has initiated a competitive Seed Grant Scheme. This has been done to promote in-house research leading to innovative product or technology development, and /or to start research programs which would develop into creative ventures on their own, through external funding.

Additional Competitive Research Grant for New Faculty

This scheme provides up to 10.0 lakhs to a new faculty to initiate research by procuring equipment or establishing facility necessary for his/her research. This scheme is over and above (a) the usual Rs 2.0 lakh given to eligible new faculty as "Research Initiation Grant" and (b) the Seed grant made available on a competitive basis to existing faculty to initiate research.

Industry Immersion Program:

BITS also encourages and supports its on-campus faculty members to spend few weeks in the industry by sponsoring an Industry Immersion Programme. This helps the faculty members to gain first-hand exposure to processes of industry and understand how theory is translated to practice on the job floor

University Exposure Program:

BITS also encourages and support its faculty members to spend few weeks in reputed research institutions (within and outside India) through University Exposure program.

Center for Research Excellence in water, waste and energy management:

Recognizing the importance of research that cuts across disciplines, (b) the need for faculty across our four campuses to collaborate, and (c) the need to address the growing problems related to water, waste and energy, BITS from its own resources, has established a "Centre of Excellence in Water, Waste and Energy Management" at its three campuses in India. This centre will seek participation by faculty and students from its Dubai campus as well. The 5 projects that have been supported with committed funding of Rs. 2.34 Cr. to undertake development of solutions to real life problems in managing waste, water and energy are continuing. These are inter-disciplinary R&D projects requiring cross-discipline and cross-campus collaboration amongst faculty. While these projects are slated to be completed in summer of 2017, our Faculty already received approval for 3 projects.

Faculty Development Scheme

Faculty development scheme of the Institute, whereby candidates holding M.E./M.Pharm./M.Phil. Degrees are given opportunities to work for the Ph.D. degree, continues to be a bright source of junior level manpower for research. The Institute reimburses their total admission and tuition fee.

Research Scholarships

Besides encouraging full-time Ph.D. students to pursue their research work with the support of Fellowships awarded by national agencies such as the Council for Scientific and Industrial Research (CSIR), University Grants Commission (UGC), Department of Science & Technology (DST), Department of Biotechnology (DBT), Defence Research and Development Organization (DRDO), Indian Council of Medical Research (ICMR), Ministry for Non-conventional Energy Sources (MNES) and International agencies such as Indo-US Science Technology Forum, Newton Bhabha Fellowship ((Indo-UK), Erasmus Mundus Fellowship (European Union), Raman Charpak Fellowship (Indo-French) etc.; the Institute also provides assistantship to its full time research scholars. In addition to the assistantship, tuition and admission fee waiver is also provided to deserving candidates.

Research at Outside Centres

Opportunities are also provided to full time research scholars and faculty for carrying out their research work at outside centres within the country and abroad so as to develop manpower in the newer areas of technology and giving special orientation to research. Currently, institutional arrangements with CDRI, Lucknow; ITRC, Lucknow; Uniformed Services University of the Health Sciences (USUHS), Bethesda, Maryland, USA exist for this purpose. Faculty and Ph.D. students have also been actively participating for high quality research exchange within the joint bilateral International sponsored projects with Brazil, Canada, France, Germany, Japan, Netherland, Russia, Ukraine, U.K. and USA.

Part Time Ph D Scheme:

In order to increase and strengthen Ph.D. programme the Institute has decided that in addition to full time students and Ph.D. Aspirants', admission may also be given to the students who are working in reputed research organizations, academic Institutes and industries, situated preferably in the close vicinity of one of the campuses of BITS Pilani, on part time basis. The candidate selected under this scheme, shall be guided by one of the BITS faculty as Supervisor or as a co-supervisor. The progress of these students will be monitored by the respective Departmental Research Committee.

Ph.D. Aspirants' Scheme

The Off-campus Ph.D. under the Ph.D. Aspirants' scheme has attracted wide attention. Under this scheme opportunities are provided to Ph.D. Aspirants of high standing and proven competence from organizations having collaboration with BITS, to work for the Ph.D. degree of the Institute without being disturbed from their professional settings.

Collaborations have also been established with the following institutions for providing Ph.D. opportunities to the research fellows, scientists, faculty and engineers from these organizations:

- Indian School of Business, Hyderabad leading to Ph D in economics and management area.
- Tata Institute of Fundamental Research, Mumbai leading to Ph.D. in Physical and Computational Sciences area.
- Central Electronics Engineering Research Institute, Pilani leading to Ph.D. in Electronic Sciences & ME/Ph.D. in Microelectronics area.
- Industrial Toxicology Research Centre, Lucknow leading to Ph.D. in Industrial Toxicology area.
- SankaraNethralaya and Elite School of Optometry, Chennai, leading to Ph.D. in Optometry and Medical Technology area.
- L.V. Prasad Eye Institute, Hyderabad, leading to Ph.D. in Optomology area.
- Institute of Cardio-Vascular Disease, Chennai, leading to Ph.D. in Cardiac Science area.
- Institute for Technology and Management, Navi Mumbai, leading to Ph.D. in Management related areas.
- Institute of Pathology, ICMR, New Delhi, leading to Ph.D. in Biomedical Sciences and Pathology related areas.

In addition to the above institutional collaborations, a number of high profile professionals from industries, R&D institutions, government, and education sectors have been permitted to take the Ph.D. Qualifying examination and work for the Ph.D. degree of the Institute. Many such professionals are also involved in educational activities of the Institute as a spin off advantage. These professionals are researching upon topics relevant to Indian industries and society.

Research at Higher & First Degree Levels

In the M.E./M.Pharm./M.Phil./M.B.A. Programmes, there is a one semester Dissertation component of 15-25 units. Students of higher degrees opting for dissertation register in this course in their fourth semester and carry out a research project. Hardworking and well-prepared students can carry out their dissertation along with the course work spread over two or three full semesters.

At the first-degree level, besides various project courses, students can opt for a one full-semester thesis project of 16 unit or of 9 units along with course work, in which research is pursued on a relevant topic. The thesis can also be carried out at a suitable R&D Centre outside BITS- within India or abroad. Under this scheme, provision exists for a limited number of students to pursue their research at some of the research labs in India and institutions abroad. CAD Lab., Centre for Robotics and Intelligent Systems, Centre for Materials Science and Technology, Power electronics and Microelectronics laboratories and Centre for Software Development etc. of the Institute continue to offer a large number of thesis projects to the students.

Students Contribution

The creative and talented pool of students at BITS Pilani is actively engaged in carrying out project work at Practice School Centres. They also contribute towards research activities by participating in Conferences, Seminars, Symposia and Training Programmes. Every year a technological festival called 'APOGEE' is organized in Pilani, wherein the students put up ingenious models depicting latest advances in science and technology. An equivalent festival 'QUARK' is organized in the BITS-Pilani K.K. Birla Goa Campus.

Sponsored Research Projects

BITS encourages its faculty to undertake sponsored research projects as well as consultancy projects. The Institute has received sponsored research projects from various national agencies such as Council for Scientific and Industrial research (CSIR), Department of Science and Technology (DST), Department of Biotechnology (DBT), Board of Research in Nuclear Sciences, (BRNS), ,Defence Research and Development Organization

(DRDO), Department of Electronics and Information Technology (DeitY), Indian Council of Medical Research (ICMR), Indian Council of Agricultural Research (ICAR), Indian Council of Social Science Research (ICSSR), Indian Space Research Organization (ISRO), Ministry of Nonconventional Energy Sources (MNES), Ministry of Mines, and International agencies such as Bill and Melinda Gates Foundation, Indo-UK (UKIERI), DAAD and BMBF (Germany), Indo-French (DST-CEFIPRA), British Council, VINNOVA (Swedish Agency for Innovation), Newton Funds (UK) and such other international bilateral grants. The faculty also received funding from Industries such as Gas Authority of India Limited (GAIL), Center for High technology (Ministry of Petroleum), Accenture (USA), Lockheed Martin (USA), CISCO, Nokia, Microsoft Research India (MSRI), Cipla Biotech Ltd., Tata Trust, HP Lab India, Ranbaxy Research laboratories Ltd., IPCA Laboratories Ltd. etc. Since 2010 the sponsored R&D funding of BITS has significantly grown from Rs. 7.5 cr. in 2010-2011 to Rs. 27 Cr. in 2017-18. Section II gives a list of ongoing sponsored research and consultancy projects.

New Initiatives towards Inducting Fulltime Research Students at the Institute

Institute Fellowship

With a view to increase enrolment of Ph.D. students, Institute has created Research Assistantship for full time Research Fellows. The fellowship amount has been increased up to 25,000 per month from 18200. Currently 261 full time research students, who have been admitted to Ph.D. programme, are receiving Research Assistantship across campuses. These full time research scholars are doing research in the areas such as Biotechnology, Pharmacy, Economics, Management, Physics, Mechanical Engineering Computer Science, Civil Engineering, Electrical and Electronics Engineering, Chemistry, Humanities and Languages.

Direct Fellowships by other funding agencies

Funding agencies such as Council of Scientific and Industrial Research (CSIR), University Grants Commission (UGC), DST, ICMR has provided 88 Junior and Senior Research Fellowships to Ph.D. students of the Institute. These research fellows are working for their Ph.D. degree across the campuses.

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, MOM, BRNS, MNRE, UGC, ICMR, TCS etc. There are 109 research scholars across three campuses at present in such position.

Areas of Research

Currently the research activities are focused in the following areas:

Areas of Research

Biological Sciences: Environmental Biotechnology, Bioinformatics, Microbial Biotechnology, Molecular Biology, Molecular Parasitology & Vector Biology, Molecular Diagnostics, Cancer Biology and Biomarkers, Plant Biotechnology.

Bioengineering: Biomaterials, Biomechanics, Bioinstrumentation, Bio-transport Process.

Civil Engineering: Structures, Water Resources, Geotechnical, Transportation, Environmental Engineering, Image Processing and G.I.S., Disaster Management, Earthquake Engineering, Solar Architecture, Finite Element Method, Non-traditional optimization algorithms, Artificial Neural Networks, Fuzzy Logic and Multicriterion Decision Making and their applications.

Chemical Engineering: Biochemical Engineering, Biomass Gasification, Computation Fluid Dynamics, Energy Engineering, Environmental Engineering, Evolutionary Computation, Modeling and Simulation, Multi-Objective Optimization, Multiphase Reactors, Process Dynamics and Control, Process Integration and Process Intensification, Reaction Engineering, Polymer Science and Engineering, Process Synthesis and Design, Separation Processes and Petroleum Refining and Petrochemicals.

Chemistry: Organic including Natural products, Bioorganic, Inorganic, Bioinorganic, Physical, Biophysical, Medicinal, Analytical, Green, Theoretical and Computational Chemistry; Nanomaterials; X-Ray Crystallography.

Computer Science & Information Systems: Computer Networks, Distributed Systems, Database Systems, Software Engineering, Operating Systems, Multimedia, Computer Control Systems, Computer Architecture, Compilers, Formal Methods, Information Retrieval

Economics and Finance: Macroeconomic Models and Policy, Microeconomic Analysis, Money and Financial Markets, Financial Engineering, Econometric Studies, Financial Modeling, Mathematical Economics, Environmental Economics, Resource Management Systems, Growth Economics, Banking, Micro Finance, Capital Markets, Macroeconomic Modeling, Applied Finance, Environment and Resource Economics International Trade and Finance, Strategy, Financial Management, Corporate Planning, Entrepreneurship, Project Management.

Areas of Research

Electrical and Electronics Engineering: Communication Systems, Wireless and Mobile Ad-hoc Networks, Optical Communication and Networks, Microelectronics and VLSI Design, Signal Processing and Embedded Systems, Power Electronics and Drives, Power Systems, Telecommunication, Robotics and Intelligent Systems, Fiber Optic Sensors, Artificial intelligence techniques in robotics, Instrumentation & Control, Wearable computing, Energy and Power Systems.

Humanistic Studies: Gender Issues including Women Studies, Medical Sociology, Developmental Sociology, Indology, Governance, Business Ethics, Conflict Management, Ethical Communication, Social Development, Sustainable Livelihoods, Consciousness Studies, and Social Ecology.

Languages: Professional Communication, ELT, Literature and Cinema, English Language and Literature, Soft Skills, Mass Communication.

Mathematics: Coding Theory, Cryptology, Algebraic Geometry, Parallel Computing, Fuzzy Logic and its applications, Water pollution, Mathematical Modelling, Nonlinear functional analysis, Computational fluid dynamics, Optimization, Operations Research, Mathematical Biology, Differential equations, Fractional Calculus, Dynamical System, Epidemiology.

Mechanical Engineering: Product Design and Development, Manufacturing Engineering, Manufacturing Excellence Practices, Design Engineering, Materials Engineering, Fracture Studies, Non-destructive Testing, Robotics and Intelligent Systems, Nano Technology, Thermal Engineering, Energy Systems Engineering and Energy Management.

Management: Indian Management Practices, Management Practices in MNC, Cross Cultural Management, Performance Appraisal, Strategic Marketing, Retail, Brand Management, Clustering Methodology, Strategy, Sustainable Development, Evolving Capitalism & Regulations, Project Management, Production Management, Facility Layout Planning, Application of TOC in Operations Management, Supply Chain Management, R&D Management, R&D Performance Measurement, Technology Management, ERP, MIS, E-business, Image Processing, Risk Management, Capital Markets, Quantitative Methods, Business Modeling, Stochastic Modeling of Production Systems, Reliability Analysis & Modeling, Organizational Behavior, Positive Health Psychology, I/O Psychology, Indian Psychology, Innovation and Creativity, Negotiation Skills, Managerial Skills, Entrepreneurship and Health Care Management.

Pharmacy: Drug Design, Synthesis and Screening of New Bioactive Molecules, Drug Delivery Systems, Phytochemistry and Natural Drugs.

Physics: Materials Physics; Condensed Matter Physics; Nuclear, Particle and High Energy Physics; Optics & Spectroscopy.

Interdisciplinary Research: Nanotechnology and nanoscience, Nano-robotics, Micro-electro-mechanical systems (MEMS), Nanomaterials, Mechatronics

Educational Innovation and Institutional Development

The Institute has made attempts to seek research involvement at all the three tiers of education existing in the system, and achieve an optimum output. The total R&D efforts of BITS have encompassed activities both on-campus as well as off-campus. The faculty development scheme of the Institute has provided quality students for the on-campus Ph.D. programme. Emphasis has been on the networking of research and other professional involvement of candidates. The various research programmes are proving to be purposive and innovative in nature. The total number of Ph.D. candidates enrolled in the BITS Ph.D. programme is currently 883. The off-campus Ph.D. scheme has attracted candidates of high standing and research is being carried out by these candidates on topics relevant to their professional involvement in their respective organizations.

The next section and appendices give details of research achievements in the current year.

III. RESEARCH ACHIEVEMENTS IN 2017

In this section, significant achievements made in research and related aspects are highlighted. These are presented under the following broad categories:

- Doctoral Theses of the Year
- Pre-submission Seminars conducted this year
- Research Contributions through Higher Degree Dissertations
- Research Contributions through First Degree Theses
- Ph.D. Qualifying Examinations
- New Doctoral Research Topics/Supervisors approved by the Research Board
- Sponsored Research Projects
- Consultancy Projects and Services Offered
- Research Related Seminars/Workshops
- Research Publications
- Patents filed by BITS faculty
- Awards and Honours for BITS Faculty

1. Doctoral Theses of the Year

This year the following candidates were awarded Ph.D. degree of the Institute. A summary list of Ph.D. since 2010 is given in Annexure – 1.

S.No	Name	Departmentt	Supervisor/ Co supervisor	Thesis Title
1	Swati Sinha	Electrical & Electronics Engg	Mary Lourde R./ TVC Sarma, NARL Gadaki	New Algorithms for Atmospheric Wind Profiler Radar Signal Processing and Target Classification
2	Mane Pravin Sakharam	Electrical & Electronics Engg	Ramesha C.K.	Reconfigurable Architecture in Resistive Switching Crossbar
3	D. Sarang Chandrashekhar	Electrical & Electronics Engg	K.R. Anupama/ Lucy J. Gudino	Development of Energy Efficient Network Architecture and Protocol Stack for Underwater Wireless Sensors Networks (UWSNs)
4	Sreejith V.	Electrical & Electronics Engg	K.R. Anupama/ Lucy J. Gudino	Development of Network Architecture and Protocol Stack for Mobile Wireless Sensor Networks
5	Apurva Kumari	Electrical & Electronics Engg	SK Sahoo	Reduction of Computational Complexity and Hardware Implementation of Restoration Based Algorithm for Weather Degraded Images and videos
6	Syed Ershad Ahmed	Electrical & Electronics Engg	MB Srinivas	High Performance Binary, Logarithmic and BCD multiplier Architectures
7	Vineet Kumar	Electrical & Electronics Engg	Abhijit Rameshwar Asati/ Anu Gupta	Iris Localization in Iris Recognition System : Algorithms and Hardware Implementation
8	Vinita Tiwari	Electrical & Electronics Engg	V.K.Chaubey	Design and Performance Analysis of Hgh Sppeed Optical Communication Skills
9	Swati D. Keskar	Electrical & Electronics Engg	Rahul Banerjee	An Innovative Wearable Computing Framework for Eryl Detection of Cardiac Anomalies
10	Satish Mohanty	Electrical & Electronics Engg	KK Gupta/ K Solomon Raju	Vibro-Acoustic Health Monitoring of Bearings using Signal Processing Techniques
11	Palanivel G.	Electrical & Electronics Engg	Biju K. Joseph	Compression and error robustness performance improvement of a scalable multi view video coding frame work
12	Lucky Sharan	Electrical & Electronics Engg	VK Chaubey	Study and Analysis of Spectrally Efficient Modulation Formats in High Speed DWDM Optical Systems

S.No	Name	Departmentt	Supervisor/ Co supervisor	Thesis Title
13	Ashish Misra	Electrical & Electronics Engg	Kota Solomon Raju/ Abhijit Rameshwar Asati	Framework for Translation of C/C++ Applications on Reconfigurable Computing Systems
14	Rajan Pandey	Economics & Finance	Arya Kumar	Empirical Investigation and Analysis of Volatility Forecasting Models for the Indian Stock Market
15	Rajni Singh	Humanities & Social Sciences	SK Choudhary	An Emprical Study on the Predictive Role of Socio-demographic and Socio-psychological Factors on Secondary School Students Achievements in Learning ESL
16	Neerja Vyas	Humanities & Social Sciences	Sushila Shekhawat	Narrative Form of Selected Hindi Biopics: An Empirical Study of Style and Structure
17	Anjani Srikanth Koka	Humanities & Social Sciences	Meenakshi Raman	A Critical Analysis of the Soft Skills Requirements of the IT Industry and the Soft Skills Training Provided in the Select Engineering College of Andhra Pradesh
18	Arun Kumar Poonia	Humanities & Social Sciences	GS Chauhan	Communication Strategies for Promoting Tourist: Discursive Analysis of Television Campaign: Khushboo Gujarat Ki
19	Sanjeev Saxena	Management	Prashant Mishra	Impact of Service Orientation on Organizational Performance
20	RN Bansal	Management	Meenakshi Malhotra	Investigating Impact of Perceived Leader's Behaquiour on Employees' Motivation and Job Satisfaction in a Select Nonprofit Healthcare Organisation
21	Preeti Tiwari	Management	Anil K. Bhat/ Jyoti Tikoria	An Empirical Investigation into Determinants of Social Entrepreneurial Intentions
22	Nirankush Dutta	Management		Role of Trust in Online Social Media Marketing: A Model Building Approach
23	Sachin Kumar	Mathematics	CB Gupta	A Statistical Study of Demographic Models with Reference to Some Indian States
24	Femi R.	Mechanical Engg	Shibu Clement/Anita Agarawal	Modelling and Analysis of Scalable Arcless Micromechanical Switches for Power Applications
25	Pavan Kumar Potdar	Mechanical Engg	Srikanta Routroy	Development of Agility Enhancement Strategies for Agile Manufacturing
26	Neha Arora	Mechanical Engg	NN Sharma/ SS Islam	Investigation on Transformation of Carbon Black to Carbon Nanotube using Arc Discharge Method
27	Simarpreet Singh	Mechanical Engg	MS Dasgupta	Trans-critical CO2 System for Warm Climate: An Evaluation of System Configurations and Scroll Expander
28	Metikela S. Babu	Mechanical Engg	Shibu Clement/ NKS Rajan	Experimental Investigations and Modelling Studies on Performance of Spark Ignited Engine with Varied Composition of Producer gas
29	C.V.Sunil Kumar	Mechanical Engg	Srikanta Routroy	Design of Supplier Development Programs for Indian Manufacturing Companies - A Supply Chain Perspective
30	Arunima Rana	Management	Anil K. Bhat/ Leela Rani	Investigations into Modeling Online Brand Equity
31	Priyanka Sharma	Pharmacy	KP Narayan	Development of Ninerlocorticoid Receptor-Mediated Anticancer Liposomal Delivery Systems
32	Suman Labala	Pharmacy	VV Krishna Vamsi	Layer-by-Layer Assembled Nanoparticles for Drug Delivery Through Skin
33	Padma Sridevi J.	Pharmacy	D. Sriram	Design, Synthesis and Biological Assessment of Topoisomerase-1 Inhibitors Targeting Mycobacterium tuberculosis

S.No	Name	Departmentt	Supervisor/ Co supervisor	Thesis Title
34	Anantaraju Hasithashilpa	Pharmacy	P. Yogeeswari/ S. Viswanadha	Cathepsin D, an Aspartic Protease as a Potent Therapeutic Option for Breast Cancer: Design, Synthesis and Bioevaluation against Triple-Positive and Triple-Negative Breast Cancers
35	Mahaveer Singh	Pharmacy	H.R. Jadhav	Design, Synthesis and Evaluation of Novel Anticancer Agents
36	Deepali Gupta	Pharmacy	R. Mahesh	Behavioral and Neuro-pharmacological Screening of Potential Serotonergic Ligands for the Management of Depression and Anxiety Co-morbid with Type-1 Diabetes Mellitus
37	Akanksha Saini	Pharmacy	Ranjan Dey	Computation of "Excess, Transport and Allied Thermodynamic Properties to Study Intermolecular Interactions in Binary and Higher Order Liquid Mixtures
38	Bobesh K. Andrews	Pharmacy	D Sriram	Development of Novel DNA Gyrase Inhibitors Targeting Mycobacterium Tuberculosis
39	R. Reshma Sri Lakshmi	Pharmacy	D. Sriram	Development of Novel Cysteine Synthase M and Lysine ϵ - Aminotransferase Inhibitors Targeting Dormant Stages of Mycobacterium tuberculosis
40	Hemalatha Beesetti	Pharmacy	S. Swaminathan/ Navin Khanna	Investigation of Approaches to Inhibit Dengue Virus
41	Shailender Joseph	Pharmacy	Punna Rao Ravi	Study on Pharmacokinetic and Nanocarrier Formulation Approaches for Improving the Oral Bioavailability of Tenofovir Disoproxil Fumarate in the Effective Treatment of HIV/AIDS
42	Sourabh Mundra	Pharmacy	R. Mahesh	Design, Synthesis and Screening of Potential Anti-malarial Agents
43	Kaushal Pathak	Pharmacy	Anookh Mohanan/ HR Jadhav	Contribution of Liver Fat and Visceral Fat to Cardiometabolic Risk In Diabetic Patients in India
44	Subhash Chander	Pharmacy	S. Murugesan	Study of Novel NNRTIs as Potential Agents Against HIV-1 and Opportunistic Infections
45	Seba Sara Varghese	Physics	Sundar Swaminthan/ KK Singh	Investigation of Doped Graphene Properties using Density Functional Theory and its Applications in Gas Sensing
46	A. Venkatesan	Physics	E.S. Kannan	Transport and Gas Sensing Properties of One Dimensional Metal Oxide Nanostructures and Graphene Oxide Based Composites
47	Jitendra Kumar	Physics	V. Manjuladevi	Effect of Nanomaterial Dopants on the Physical Properties of Liquid Crystals
48	Keerti Choudhary	Physics	V. Manjuladevi	Studies on Liquid Crystals and Nanocomposites at Interfaces
49	Devanarayanan VP	Physics	RK Gupta	Development of Surface Plasmon Resonance based Instrument with a Novel Opto-mechanical Scanning Mechanism
50	Surender Pratap	Physics	Niladri Sarkar	Study of Low Dimensional Systems with NEGF and RMT Approach
51	Kabilan M.	Biotechnology	Judith M. Braganca	Microbial Diversity of Halophilic Archaea and Bacterial Solar Salterns and Studies on their Production of Antiarchaeal Substances
52	Walawalkar Yogesh Dilip Dipti	Biological Sciences	Vijayshree Nayak	A Study on Correlation of Chronic Salmonella enterica serovar Typhi Infection with Gallbladder Diseases

S.No	Name	Department	Supervisor/ Co supervisor	Thesis Title
53	Ketaki R. Deshmukh	Biological Sciences	Meenal Kowshik/ Sutapa Roy Ramanan	Synthesis and Characterization of Fluorescent Hydroxyapatite Nanoparticles and Their Applications In Bioimaging and Plasmid Delivery
54	Shruti Balaji	Biological Sciences	Anasuya Ganguly	Functional Predictions of the Transcription Factor RFX6 During Human Pancreatic Development
55	Pallavee Srivastava	Biological Sciences	Meenal Kowshik	Biological Synthesis of Metallic and Metal Sulfide Nanoparticles using Halophilic Archaea and Bacteria
56	Gella Laxmi	Biological Sciences	Rajiv Raman/Kunda MM Rao	Structural and Functional Correlations in Diabetic Retinopathy
57	Priyanka Dwivedi	Biological Sciences	Vijayashree Nayak/ Ashok Kumar	Development of Novel Tissue Engineering Strategies to Treat Osteoarthritis
58	Geethanjali Ravindran	Biological Sciences	Angshuman Sarkar	Study of the Effects of Cadmium Toxicity on Regulation of Small GTPases, HSP70 and Apoptosis in Human Alveolar Cells
59	P. Priyadarshini Pai	Biological Sciences	Sukanta Mondal	Analysis and Identification of Protein-Ligand Interacting Residues Using Computational Approaches
60	S. Srilekha	Biological Sciences	N. Soumitra/ Suman Kapur	Genetic Analysis of Consanguineous South Indian Families with Leber Congenital Amaurosis and Retinitis Pigmentosa using Homozygosity Mapping
61	Shivani Gupta	Biological Sciences	Suman Kapur	Isolation & Characterization of Naturally Occurring Acyltransferase or Related Class of Enzymes for Synthesis of HMG Co-A Reductase Inhibitors
62	Rashima A.	Biological Sciences	Ronnie Jacob George/ Suman Kapur	Quantification of Ocular Ultraviolet-B Radiation Exposure in a South Indian Population and its Association with Ocular Surface Disorders, Pseudoexfoliation, Cataract and Age-related Macular Degeneration - A Part of the Chennai Eye Disease Incidence Study
63	Jameel Rizwana H	Biological Sciences	R. Krishna Kumar/Suman Kapur	Binocular Vision Anomalies and Normative Data (BAND) of Binocular Vision Parameters among School Children Between 7 and 17 Years of Age in Rural and Urban Tamilnadu
64	Akshay Bhatnagar	Biological Sciences	D Bandyopadhyay	Role of Protein Microenvironment In Modulating Structure and Function of Cysteine, Cysteine and Aspartic Acid
65	K. Raja Shekar Varma	Biological Sciences	Ramakrishna Vadrevu	Structure and Sequence Level Analysis of $\beta\alpha\beta$ Motifs and Loops in TIM Barrel Proteins: Implications for Protein Folding, Design and Engineering
66	Manasi	Biological Sciences	Vidya Rajesh/ N. Rajesh	Genetic Metabolic and Physiological Studies of Indigenous Halomonas BVR 1 Isolated from Electronic Industry Effluent for Remediation of Heavy Metals
67	Gagandeep Singh Saggi	Biological Sciences	Vishal Saxena	Characterization of Apicomplast-targeted Isoprenoids Biosynthesis Pathway Enzymes from Plasmodium vivax and P. falciparum
68	Himanshu Kaushal	Biological Sciences	Poonam Salotra/Dr. Sanjeev Kumar	Studies on Immunological Responses to Parasite Surface Antigen as a Potential Vaccine Candidate against Human Leishmaniasis and Estimation of Asymptomatic Leishmania Infections in the Endemic areas
69	PA Boopathi	Biological Sciences	AK Das	In vivo transcriptome Profiling of Plasmodium vivax Clinical Isolates: New Insights into Severe Malaria

S.No	Name	Departmentt	Supervisor/ Co supervisor	Thesis Title
70	Rajnish Prakash Singh	Biological Sciences	PN Jha	Molecular Characterization of ACC Diaminase Producing Bacteria for Induced Systemic Tolerance in Wheat (<i>Triticum aestivum</i> L.)
71	Namita Singh	Biological Sciences	Sangita Rastogi/Vishal Saxena	Studies on Immuno-molecular Pathways Triggered by <i>Chlamydia trachomatis</i> Infection in First Trimester Spontaneous Abortion
72	Gurpreet Kaur Sidhu	Biological Sciences	Sandhya Mehrotra	Analyzing Structural and Functional Evolutionary links between RuBisCO and Carbo Concentrating Mechanism (CCM) Proteins
73	Nitu Kumari	Biological Sciences	Sunita Saxena/ Usha Agarwal/ Uma S. Dubey	Identification and Characterization of Urinary Proteins as Post Surgery Surveillance Markers in Urothelial Carcinoma
74	Zarna Rajeshkumar Pala	Biological Sciences	Vishal Saxena	Characterization of SUF Pathway (Iron-Sulphur Cluster Biogenesis) Functional in the Apicoplast of <i>Plasmodium vivax</i>
75	Kumar Avishek	Biological Sciences	Poonam Salotra/ Uma S. Dubey	Studies on Genration and Characterization of Live Attenuated <i>Leishmania</i> Parasites as Vaccine Candidates of Visceral Leishmaniasis
76	Rini Dhawan	Biological Sciences	Lalita Gupta	Immune Responses of <i>Anopheles stephensi</i> and <i>Anopheles culicifacies</i> against Malaria Parasite development
77	Priyadarshini Parakh	Chemistry	Halan Prakash	Study on Ruthenium Complexes and Methylene Blue Based Photosensitizers for Visible Light Bactericidal Action
78	Tantak Mukund P.	Chemistry	Dalip Kumar/ Anil Kumar	Design, Synthesis and Anticancer Activity Studies of Selected Indole-Based Heterocycles
79	Meenakshi Pilania	Chemistry	Dalip Kumar	Organoiodines in the Sythesis and Functionalization of some Novel Bioactive Heteroccles
80	Sunita Choudhary	Chemistry	Anil Kumar	Ionic Liquid-supported Sulfonyl Hydrazine and Iodine Reagents: Synthesis and Application in Selected Organic Transformations
81	Ganesh M. Shelke	Chemistry	Anil Kumar/Mukund Jha	Development of Synthetic Methods for Selected Indole-Based Heterocyclic Compounds from Indole, Isatin and Indoline-2-thione
82	V.Arun	Chemistry	Dalip Kumar	Organoiodine-Promoted Strategies for the Construction of Selected Bioactive Heterocycles.
83	Surendran G.	Chemical Engg	Saroj Sundar Baran	Experimental Studies on Cr(VI) Removal from Wastewater by adsorption using Pig Iron Sludge and Biochar
84	Amol Anilrao Deshpande	Chemical Engg	S. Krishnaswamy	Experimental and Theoretical Studies on Unmixed Combustion for Heat Transfer Applications
85	Somesh Mishra	Chemical Engg	Smita Raghuvanshi/ Suresh Gupta	Experimental Studies on Bio-mitigation of CO ₂ and its Utilization for Product recovery and Process Development
86	Praveen Saini	Chemistry	A. Chattopadhyay	A computational Investigation of Oxaziridine Photoconversion and E-Z Isomerization Processes of Some Acyclic Nitrone Systems
87	Vikash Kumar	Chemistry	Mainak Banerjee/ Amrita Chatterjee	Amphiphiles: Design, Syntheses, Studies on Their Biomolecular Interactions and Micellar Catalysis
88	D.G.Khandare	Chemistry	Amrita Chatterjee	Design and Synthesis of Aggregation-Induced Emission Based Probes for Detection of Toxic and Biologically Important Analytes

S.No	Name	Departmentt	Supervisor/ Co supervisor	Thesis Title
89	Dalavi Shankar Balu	Chemistry	RN Panda	Studies of Nano-magnetism of Fe, Co, Ni and Pt based ferromagnetic Metal and Alloy Nanoparticles Snthesized via Novel Chemical Routes
90	Nagesh HN	Chemistry	KVG Chandrasekhar	Design and Synthesis of Piperazine/1,2,3,-Triazole Tailored Heterocycles ad Their Ati-tubercular and Photophysical Applicationq
91	Shivani Sharma	Chemistry	N. Rajesh	Preparation and Characterization of Customized Adsorbents for the Recovery of Palladium from Spent Catalysts and Industrial Wastes
92	Kumari Suman	Chemistry	Madhushree Sarkar	Crystal Engineering of Co-ordination Polymers (CPs) Derived from Bis-pyridyl amides and Analyzing Their Structural Transformations Triggered by External Stimulus
93	Ashok Sharma	Chemistry	Paritosh Shukla	Nickel Catalyzed Coupling Reactions and Studies on Pyranopyrazole Heterocyclic Molecules
94	Pinku	Chemistry	Anil Kumar	Synthesis of Imiazol[1,2-q]pyridines and their Functionalization via C-C and C-N Bond Formation using Transition Metal Catalysts
95	Archana Choudhary	Chemistry	Saumi Ray	Synthesis and Characterization of "Ship-in-a-Bottle" Complexes inside the Microporous and Mesoporous Matrials
96	Arun Nihal Singh	Civil Engg	Anupam Singhal/ Rajiv Gupta	Investigation, Mappting and Treatment Techniques for Fluoride, Nitrate and TDS in Groundwater of Shekhawati Region (Rajasthan, India)
97	Ajit Kumar Vidyarthi	Civil Engg	AP Singh	Development of Integrated Environmental Pollution Index for Industrial Clusters
98	Rajendra Kumar Roul	Computer Science and Information Systems	Sanjay Kumar Sahay	Design and Investigation of Techniques to Improve Information Retrieval on the Web
99	Jagan Mohan Reddy D.	Computer Science and Information Systems	C.Hota	Peer-to-peer network traffic classification based on statistical and behavioral analysis
100	Avinash Gautam	Computer Science and Information Systems	Sudeept Mohan	Design and Implementation of Efficient Coordination Algorithms for Multi-Robot Systems
101	Mayuri A. Digalwar	Computer Science and Information Systems	Sudeept Mohan/ Biju K. R.	Energy Efficient Multicore Scheduling Algorithms for Real Time Systems
102	Ritu Arora	Computer Science and Information Systems	Sanjay Goel/ R.K. Mittal	A Framework and Tool for Supporting Collaborative Work in Software Development
103	Pawaskar Pinky	Economics & Finance	Mridula Goel	Consumer Behavior Analysis in Trouirism: Opportunities and Challenges for Goa
104	Rajiv Agarwal	Economics & Finance	Keith D'Souza/ Arya Kumar	An Empirical Study of Career Choices of Successors in Family Managed Businesses in Indian Context
105	Varun Chotia	Economics & Finance	NVM Rao	Public Infrastructure Investment, Economic Growth and Fiscal Sustainability in India: An Empirical studhy

2. Ph.D. Thesis Submitted and Under Process of Evaluation

S.No	Name	Department	Supervisor/ Co-supervisor	Thesis Title
1	Bandekar Divya Ramesh	Biological Sciences	Sumit Biswas	Structural and Functional Studies on VC0395_0300 Protein from <i>Vibrio cholerae</i>
2	Ajay Ghosh Chalasani	Biological Sciences	Utpal Roy/ Angshuman Sarkar	Biochemical and Functional Characterization of a Narrow-Spectrum Antibacterial Peptide from the Wild-type <i>Bacillus sp.</i>
3	Ramya R	Biological Sciences	Utpal Roy	Purification, Biochemical and Functional Characterization of Bacillomycin-type Lipopeptides of <i>Bacillus subtilis</i> RLID 12.1 and Optimization for the Selective Production of the Most Potent Antifungal variant
4	Anuradha Pal	Biological Sciences	Suman Kapur/ BC Woodside	Impact of Functional Mutations of OPRM1 Gene on Immune Cell Function/s
5	Venkata Harini Kema	Biological Sciences	Palash Mandal/ Suman Kapur	Studying the Role of Diallyl Sulfide in Ameliorating Ethanol Induced Adipose Tissue Injury
6	Bitragunta Siva Prasad	Biological Sciences	P. Sankar Ganesh	Toxicity Evaluation of TiO ₂ Nanoparticles in Earthworm (<i>Eisenia fetida</i>)
7	Srikrupa NN	Biological Sciences	N. Soumitra/ Suman Kapur	Leber Congenital Amaurosis: Clinical Profiling and Genetic Analysis Using High Throughput Resequencing in an Indian Cohort
8	Rupak Kumar	Biological Sciences	Suman Kapur	Biological Approaches for Treating Industrial Effluents Containing 'Morpholine'
9	Panchsheela Nogia	Biological Sciences	Sandhya Mehrotra	Targeting Cyanobacterial Bicarbonate Transporter BicA into Chloroplast of Model C3 Plants and Analyzing Transient Expression and Localization
10	Isha Pandey	Biological Sciences	A.K. Das	Comparative Genome Analysis and Localization of Hypothetical Conserved Plasmodial Proteins
11	Parik Kakani	Biological Sciences	Sanjeev Kumar/ Pankaj Kumar Sharma	The Role of Anopheles Heme Peroxidases in Mosquito Immunity against Blood-Borne Antinens and Divergent Expression of Anopheline Lineage-Specific Duplicated Genes
12	Bolisetty Sreenivasulu	Chemical Engg	Inkollu Sreedhar	Kinetics and Engineering of Carbon Capture by Chemical Looping Process
13	Appala Naidu U.	Chemical Engg	Srikanta Dinda	Polymerization and Kinetic Studies of Ketonic Resin Synthesized by Environment - Friendly Method
14	Poonam Khedar	Chemistry	Anil Kumar	Click Chemistry Inspired Synthesis of Novel Triazolyl Conjugates and their Antimicrobial Activity
15	Atul Sharma	Chemistry	Sunil Bhand/ Jean Louis Marty	Development of Novel Aptasensing Techniques for Detection of Mycotoxins and Antibiotic Residues in Food and Beverages
16	Chetana Anand Deoghare	Chemistry	Rashmi Chauhan	Vibro-Acoustic Health Monitoring of Bearings using Signal Processing Techniques
17	Barun Kumar Ghosh	Chemistry	NN Ghosh	Synthesis of Magnetically Separable Metal Nanoparticle Loaded Mesoporous Catalysts and Study of Their Versatile Catalytic Activities
18	Saisudhakar Mukka	Chemistry	K. Sumithra	Electronic and Structural Properties of Substituted Oligo- and Polythiophenes
19	T. Dayagiri	Chemistry	Anupam Bhattacharya	Synthetic Studies on Fused Pyridine/Dihydropyridine Based Heterocyclic Systems
20	SM Abdul Shakoor	Chemistry	Rajeev Sakhuja	C-H Functionalization of Imidazo-Heterocycles and Exploration of Imidazolium-Supported Benzotriazole Reagent for Selective Organic Transformations

S.No	Name	Department	Supervisor/ Co-supervisor	Thesis Title
21	Sri Kalyana Rama J	Civil Engg	MVN Sivakumar/ A. Vasan	Proportioning of Self Compacting Concrees Based on Plastic Viscosity Approach Experimental and Numerical Investigations
22	Anuradha Devi	Civil Engg	Anupam Singhal/ Rajiv Gupta & SK Verma	Treatment of Spent Pickling Liquor and Applications of Pickling Sludge
23	Shaik Hussain	Civil Engg	Dependu Bhunia/ S.B. Singh	A Study on the Effect of Carbonation on Properties of Concrete
24	Govada Aruna	Computer Science and Information Systems	S.K. Sahay	Study in Data Reduction and Multi-Class Classification for Distributed Data
25	Gawali Shubhangi K.	Computer Science and Information Systems	KR Biju/ B.M. Deshpande	Design of Energy Efficient Schedulers for Multicore Hard Real Time Systems
26	Ashu Sharma	Computer Science and Information Systems	Sanjay K. Sahay	Group-wise Classification Approach to Improve Malware Detection Accuracy
27	Prafulla Kalapatapu	Computer Science and Information Systems	Aruna Malapati	Novel Content-based Similarity Approaches for Indian Music
28	BKSP Kumar Raju Alluri	Computer Science and Information Systems	G. Geethakumari	Incident Handling in IaaS Cloud Environment using Digital Forensic Practices
29	Sonal Kumari	Computer Science and Information Systems	Naneet Goyal/ Poonam Goyal	Design and Implementation of Exact, Efficient, and Scalable Parallel Clustering Algorithms
30	Gawas Mahadev Anant	Electrical and Electronics Engg	Lucy J. Gudino/ K.R. Anupama	Cross Layer Design Approaches for the Enhancement of QoS in MANETs
31	S Sankhar Reddy Ch.	Electrical and Electronics Engg	KR Anupama/ Anita Agarwal	Modular Self-Reconfigurable Robot for Implementation of Biomimetic Structures
32	Rakhee	Electrical and Electronics Engg	MB Srinivas	Ant-Colony based Energy Efficient Routing Technique for Wireless Body Area Networks
33	Madhuri Bayya	Electrical and Electronics Engg	BVVSN Prabhakar Rao/ N Moorthy Muthukrishnan	Battery Monitoring using Source Side Excitation with Voltage Pulse Sequence
34	Venkata Pavan Kumar Arapirala	Electrical and Electronics Engg	Alivelu M. Parimi/ K. Uma Rao	Tie-Line Frequency Bias Control of an Interconnected PV-Wind Hybrid Power System
35	Ramchandra Nittala	Electrical and Electronics Engg	Alivelu M. Parimi/ K. Uma Rao	Mitigation of Power Quality Problems Using Interline Dynamic Voltage Restorer
36	Goutham Makkena	Electrical and Electronics Engg	MB Srinivas	Time-Domain Synthesis of Continuous-Time Filters using Nonlinear Sequence Transformation
37	Sai Phaneendra P.	Electrical and Electronics Engg	MB Srinivas	Towards Realizing Low Quantum Cost Reversible Logic Circuits
38	Priya Gupta	Electrical and Electronics Engg	Anu Gupta/ Abhijit Rameshwar Asati	Design Exploration of low power arithmetic and SRAM circuits using subthreshold design techniques
39	Dinesh Kumar Tyagi	Electrical and Electronics Engg	V.K.Chaubey	Survivable Routing Mechanisms in Optical WDM Networks
40	Meenakshi Sharma	Management	Leela Rani	Understanding the Impact of Social Learning Forms on Environmentally Sustainable Consumption Behavior among Children
41	CV Jayanthi	Management	U. Dhyani	Perspectives on Some Aspects of Ethical Awareness in Corporate India - an

S.No	Name	Department	Supervisor/ Co-supervisor	Thesis Title
				Empirical Study
42	Rakesh Kumar G	Mechanical Engg	Suresh Kumar Reddy Narala	Machinability Studies of Ti-6Al-4V Alloy Using Novel Minimal Solid Lubricant Mixture Application Method
43	Sravan Kumar J	Mechanical Engg	SK Reddy Narala	Atomized Liquid Nitrogen Spray Assisted Machining of Al-TiCp Metal Matrix Compositised with Different Tool Geometry
44	Barla Madhavi	Mechanical Engg	Jeevan Jaidi	Experimental and Numerical Studies of Friction Stir Welded Joints of Aluminium-Alloy (AA5052-H32) Plates
45	Rajesh Kumar	Mechanical Engg	Ravi Inder Singh	An Investigation of Lab Scale Oxygen Enriched Bubbling Fluidized Bed Combustor for Cofiring Conditions
46	Sanjeev Jakhar	Mechanical Engg	Manoj Kumar Soni	Design, Analysis and Development of Photovoltaic and Concentrating Photovoltaic Cooling Systems with Earth Water/Air Heat Exchanger
47	Pushkar Kulkarni	Pharmacy	P. Yogeewari/ Uday Saxena	Zebrafish Models for Neuroscience Drug Discovery
48	R. Sruthi	Pharmacy	Rajeev Taliyan	Investigating the Molecular Mechanisms Involved in Neuroprotective Effect of Remote Limb Ischemic Post Conditioning Against Cerebral Ischemic Reperfusion Injury and Associated Cognitive Deficits
49	Pankaj Wadhwa	Pharmacy	HR Jadhav	Design, Synthesis and Evaluation of Novel HIV-1 Integrase Inhibitors
50	Jaya Abraham	Pharmacy	RN Saha	Design and Evaluation of Novel Delivery Systems of Tapentadol for Enhanced Brain Delivery
51	Matharasala Gangadhar	Pharmacy	P. Yogeewari	Molecular Pharmacological Investigations on New Chemical Entities Useful in the Treatment of neuropathic Pain
52	Amaraju Suresh	Pharmacy	KVG Chandra Sekhar	Design and Synthesis of 1,2,3/1,2,4-Triazole based Novel Heterocyclic Compounds as Anti-Anti-tubercular Agents
53	Anup Jose	Pharmacy	VV Krishna Venuganti	Transcutaneous Co-Delivery of Therapeutic Agents using Liposomes to Treat Cancer
54	Prasanthi Malapati	Pharmacy	D. Sriram	Design and Synthesis of Novel Mycobacterium tuberculosis Pantothenate Kinase and Glutamate Racemase Inhibitors
55	Almesh Kadakol	Pharmacy	Gaikwad Anil Bhanudas	Role of Esculetin on Renin Angiotensin System and Epigenetics in the development of Cardiovascular and Renal Complications associated with Type 2 Diabetes
56	Anuradha	Pharmacy	Gaikwad Anil Bhanudas	Role of Epigenetics in Modulating Inflammatory Response Mediated by NF-kB through AT1 or AT2 receptors in the Development of Renal Failure under Type 2 Diabetic Condition
57	Dhavalra Suri	Physics	R.S. Patel	A Study of Electronic and Thermal Transport Properties of Transition Metal Dichalcogenides for Device Applications
58	L.Raja	Physics	S.Sindhu	Synthesis and Characterization of Organic Luminescent Materials (Zn(II) and Ru(III)) and Fabrication of Energy-Efficient Organic Light Emitting Diodes Using Alq3
59	Tridev A Mishra	Physics	Tapomoy G. Sarkar/ JN Bandyopadhyay	Some Studies on Modifications of Low Dimensional Systems under the Application of Periodic Driving

3. Research Contributions through Higher Degree Dissertations

A total of 140 Dissertation Projects have been carried out by higher degree M.E./M.Pharm students across campuses. The list is given in Annexure - 2.

4. Research Contributions through First Degree Theses

A total of 743 students have completed their first-degree theses. The thesis course is a one-semester course and a student is involved full time for this research involvement. Besides faculty members of the Institute, scientists from R&D labs and other professionals also supervise the thesis work across campuses. The complete list is given in Annexure - 3.

5. Ph.D. Qualifying Examinations

All Ph.D. candidates before taking up the doctoral research have to appear and pass a Ph.D. Qualifying examination. Ph D qualifying examination is conducted in the sub areas identified by each department for this purpose. A Ph D student has to choose two subareas for his/her qualifying examination. One of these area must be the sub-discipline in which he/she proposes to undertake research. Faculty members of the Institute and professionals from the world-of-work may be permitted to appear in the qualifying examination even before completing the formalities of Ph.D. admissions.

In the year 2017, a total of 195 candidates were permitted to appear in the Qualifying examination. The details are provided below:

Semester	Permitted to appear in QE	Appeared	Passed	Failed	Did not appear and dropped
II Sem. 2016-17	86	86	67	19	0
I Sem. 2017-18	109	108	91	18	1
Total	195	194	158	37	1

6. New Doctoral Research Topics / Supervisors Approved

This year, two hundred and thirty four (234) research proposals were approved by the DCC. Besides approving the topic of research, the DCC also approves the proposed supervisors for guiding the research. The details of approved topics/supervisors are given below:

S. No	Name & ID	Topic	Supervisor	Co-Supervisor	Locale of work
1.	Anuj Dixit 2016PHXF0415P	Design of healthcare supply chain for generic medicines to enhance availability and minimize wastage	Prof. Srikanta Routroy	Dr. Sunil Kumar Dubey	BITS, Pilani - Pilani Campus
2	Santosh Kumar Yadav 2016PHXF0020P	Study of Observational Constraints on Dark Sector of the Universe	Dr. Suresh Kumar		BITS, Pilani - Pilani Campus
3	Sandeep Dalal 2016PHXF0011P	Study of Semigroups and Associated Graphs	Dr. Jitender Kumar		BITS, Pilani - Pilani Campus
4	Zeeshan 2015PHXF0406P	Determinants and Dynamics of Farm and Non-Farm Diversification for Sustainable Economic Development in India	Dr. Geetilaxmi Mohapatra		BITS, Pilani - Pilani Campus
5	Tripti Misra 2015PHXF0002P	Molecular and functional characterization of amyloids of Enterobacter cloacae SBP-8 in relation to biofilm formation and pathogenesis	Prof. P.N. Jha	Dr. Meghna Tare	BITS, Pilani - Pilani Campus
6	Neelakshi Sharma 2016PHXF0008P	Synthesis and characterization of Li ⁺ -NASICON based novel glass-ceramic nanocomposites	Prof. Anshuman Dalvi		BITS, Pilani - Pilani Campus
7	Ashutosh Joshi 2017PHXF0035H	Development of surface plasmon resonance instrument and its sensing application	Prof. Raj Kumar Gupta		BITS, Pilani - Pilani Campus
8	Aditi Mandal 2016PHXF0009P	Plasmon-mediated (e,2e): understanding the role of plasmons in the generation of secondary electrons in condensed matter	Dr. Rakesh Choubisa	Dr. Didier Sebilliau	BITS, Pilani - Pilani Campus

S. No	Name & ID	Topic	Supervisor	Co-Supervisor	Locale of work
9	Punit Khatri 2017PHXF0009P	Modeling and Estimation of Drinking Water Quality Index (WQI) based on Integrated Multi-Sensor Array	Dr. KK Gupta	Dr. RK Gupta	BITS, Pilani - Pilani Campus
10	Rahul Sharma 2016PHXF0006P	Design and analysis of energy efficient relay selection protocols for cooperative and cognitive radio communication systems	Dr. Sainath Bitragunta		BITS, Pilani - Pilani Campus
11	Abheek Gupta 2016PHXF0423P	Artificial Neural Network algorithms for classification and pattern recognition on digital hardware with applications in Water Quality measurement and Water Quality Indexing	Dr. Anu Gupta	Dr. Rajiv Gupta	BITS, Pilani - Pilani Campus
12	Sneha Lata 2016PHXF0022P	Designing, synthesis and Validation of Salinity stress responsive promoter in plants	Dr. Rajesh Mehrotra		BITS, Pilani - Pilani Campus
13	Neelam Mahala 2015PHXF0419P	Studies on Anticancer Property of Lactoferrin and its Interaction with Other Molecules	Dr. Uma S. Dubey		BITS, Pilani - Pilani Campus
14	Kanika 2017PHXF0027P	Energy Efficient Circuit Design for Energy Autonomous IoT Systems using Emerging Non-Volatile Memory	Dr. Nitin Chaturvedi		BITS, Pilani - Pilani Campus
15	Praveen Kumar Sharma 2016PHXF0502P	Design and Analysis of Metamaterial Based Antenna for Wearable Applications	Prof. Navneet Gupta		BITS, Pilani - Pilani Campus
16	Abhay SD Rajput 2016PHXP0102P	Science Communication by 'Scientists': A Study in the Indian Context	Prof. Sunita Raina		BITS, Pilani - Pilani Campus
17	Neha Gupta 2015PHXF0405P	Dynamics of Financial Crises and the Role of Investor Sentiment	Prof. Arya Kumar		BITS, Pilani - Pilani Campus
18	Vaibhav Shastri 2015PHXF0008P	Design and Development of Portfolio Selection Strategies using Hierarchical Networks	Dr. Krishna M.	Prof. NVM Rao	BITS, Pilani - Pilani Campus
19	Vivek Tiwari 2016PHXF0414P	Design & Development of High-Temperature Latent Head Thermal Energy Storage for Power Generation	Prof. P. Srinivasan		BITS, Pilani - Pilani Campus
20	Gokhale Nitish Pandurang 2016PHXF0416P	Development and experimental investigation of a wire-arc based additive manufacturing (WAAM) metal deposition process for producing free form metallic parts	Dr. Prateek Kala		BITS, Pilani - Pilani Campus
21	Angela Samanta 2016PHXF0001G	Study of the Effects of Quinacrine on Human Breast and Colon Cancer Cell Lines	Dr. Angshuman Sarakar		BITS, Pilani - KK Birla Goa Campus
22	Zantye Pranjita Ganesh 2016PHXF0003G	Hydroxyapatite nanoparticle assisted <i>in vitro</i> gene delivery in mouse embryonic stem cells: Studying mechanisms and efficiency.	Dr. Meenal Kowshik	Dr. Indrani Talukdar Prof. Sutapa Roy Ramanan	BITS, Pilani - KK Birla Goa Campus
23	Ram Uttam Gawas 2016PHXF0006G	Design and Synthesis of AIE and ESIPT Based Fluorescent Chemodosimeters for the Detection of Toxic Analytes Including Heavy Metals, Anions and Small Molecules	Dr. Amrita Chatterjee	-----	BITS, Pilani - KK Birla Goa Campus

S. No	Name & ID	Topic	Supervisor	Co-Supervisor	Locale of work
24	Mrs Archana Vinod Kulkarni 2015PHXF0405G	Performance Assessment of Existing Pollution Control Units in a Grass Root Refinery To Suggest Strategies For Zero Liquid Discharge	Dr. S.D. Manjare	Dr. G.Srinikethan	BITS, Pilani - KK Birla Goa Campus
25	Dileep M 2014PH010018G	Photocatalytic Degradation of waste water from Paper and pulp industries	Dr. Saroj Sundar Baral	-----	BITS, Pilani - KK Birla Goa Campus
26	A V B Acharyulu 2017PHXF0023G	Intensification of iron ore sintering process to reduce emissions and cost	Dr. Saroj Sundar Baral	Dr. Maruti Ram K	BITS, Pilani - KK Birla Goa Campus
27	Amal S Siju 2017PHXF0026G	Improving Tribological Behaviour of Turning Inserts by Surface Modification at Micro Scale	Dr. Sachin Waingankar	-----	BITS, Pilani - KK Birla Goa Campus
28	Shinde Rushikesh Bhagwanrao 2016PHXF0417G	Crashworthiness Study of Aluminium-Composite Collapsible Energy Absorber	Dr. Kiran Mali	-----	BITS, Pilani - KK Birla Goa Campus
29	Rizwan Praveen 2017PHXF0027G	Design of Cyber Physical Systems for Health Related Applications and its Integration with Existing Interfaces	Dr. Neena Goveas	-----	BITS, Pilani - KK Birla Goa Campus
30	Gaurav Gupta 2013PHXF0502G	Design of Fault tolerant Mixed Critically [MCS] Multi-core Systems with Adaptive Resource Utilization	Dr. Biju K. Ravendran	-----	BITS, Pilani - KK Birla Goa Campus
31	Iftekhar Alam 2016PHXF0019G	A critical analysis of the impact of spiritual intelligence on the strategic decision making ability of personnel involved in R&D in technology sector	Dr. Shalini Upadhyay	Dr. Nitin Upadhyay	BITS, Pilani - KK Birla Goa Campus
32	Shawnn M. Coutinho 2016PHXF0013G	Determinants and outcomes of Customer (Patient) Experience with respect to Healthcare Services	Dr. Ch V.V.S.N.V. Prasad	-----	BITS, Pilani - KK Birla Goa Campus
33	Abhishek Kumar Sinha 2016PHXF0011G	An Economic Analysis of the Determinants and Outcomes of Innovation in Small and Medium Enterprises (SMEs) in India	Dr. Aswini Kumar Mishra	-----	BITS, Pilani - KK Birla Goa Campus
34	MOHAMMED ALMAS SHAMAILA 2015PHXF0500H	Development and Evaluation of Nano-based Nucleic Acid Biosensor for Detection of Hepatitis C Virus (HCV) in Human Samples	Dr. Jayati Ray Dutta	Dr. G. Ramakrishnan Dr. M N. Khaja	BITS-Pilani, Hyderabad campus & Bioviz Technologies Pvt.Ltd.,Hyderabad
35	SUNDARAI AH KONDA 2016PHXF0103H	Development of Endothermic Fuel and its Thermokinetics Studies	Dr. Srikanta Dinda		Propellant & Polymer Division, DRDL,Kanchanbagh, Hyderabad & BITS-Pilani, Hyderabad campus
36	DEEPTHI PRIYANKA DAMERA 2016PHXF0005H	Spectroscopic investigation of different nanocarriers for biological applications	Dr. Amit Nag		BITS-Pilani, Hyderabad campus
37	VENKATA SIVAKUMAR BODDUPALLI 2016PHXF0108H	Design, synthesis and biological evaluation of Nitrogen analogues as anti-tubercular agents	Prof. K.V.G. Chandra Sekhar		BITS-Pilani, Hyderabad campus

S. No	Name & ID	Topic	Supervisor	Co-Supervisor	Locale of work
38	RAJA SEKHAR VOGURI 2016PHXF0109H	Characterisation of pharmaceutical materials: Co-crystals and Amorphous by a combined experimental and computational approach	Dr. Subhas Ghosal	Dr. Archan Dey	BITS-Pilani, Hyderabad campus & IPDO, Dr. Reddy's laboratories, Bachupally, Hyderabad
39	SABITHA D 2016PHXF 0110H	Synthesis, Characterisation and Applications of Heteroleptic Complexes and Metal Organic Framework.	Dr. R. Krishnan	Dr. A Keshav Krishna	BITS-Pilani, Hyderabad campus & CSIR-NGRI, Hyderabad
40	M JAYATHEJA 2016PHXF0403H	Performance Evaluation of Backfill Soils Partially Replaced with Building Derived Materials	Dr. Anasua Guharay	Dr. Arkamitra Kar	BITS-Pilani, Hyderabad campus
41	CHERUKURU BALA VENKATA HAREEN 2016PHXF0404H	Evaluation of the Seismic Behavior of Plan Asymmetric Multistory Buildings (PAMB) with Vertical Irregularities and Their Torsional Vibration Control Using Passive Dampers	Dr. Mohan S.C		BITS-Pilani, Hyderabad campus
42	ATHIRA GOPINATH 2016PHXF0051H	Performance Assessment of Sugarcane Bagasse Ash and Rice Straw Ash Based Binders	Dr. Bahurudeen A		BITS-Pilani, Hyderabad campus
43	GOURISH GOUDAR 2016PHXF0405H	Estimators for Efficient Buffer Management in Mobile Opportunistic Networks	Dr. Suvadip Batabyal		BITS-Pilani, Hyderabad campus
44	BHAVYA SINGHVI 2015PHXF0510H	Essays on topics in management accounting	Dr. Niranjana Swain	Dr. Sanjay Kallapur	Indian School of Business, Hyderabad
45	PUNEETH S B 2016PHXF0016H	Development of Electro-Microfluidic Viscometer (EMV) for Biomedical Diagnostics	Dr. Sanket Goel		BITS-Pilani, Hyderabad campus
46	RAJAMANURI VENKATA SRAVYA 2016PHXF0013H	Enhancing the performance of patch antenna in terms of bandwidth and gain using Electromagnetic Bandgap Structures (EBG).	Dr. Runa Kumari		BITS-Pilani, Hyderabad campus
47	SRAVANKUMAR VITTAPU 2016PHXF0014H	Design and Development of Low Power Motion Estimation Architectures for HEVC Applications	Dr. Sumitkumar Chatterjee	Dr. Souvik Kundu	BITS-Pilani, Hyderabad campus
48	P MICHAEL PREETAM RAJ 2016PHXF0017H	Investigation of novel oxide based non-volatile switching memory devices and their potential applications in analog and digital electronics	Dr. Souvik Kundu	Dr. Sumit Kumar Chatterjee	BITS-Pilani, Hyderabad campus
49	PRAKASH PALASRAM REWATKAR 2017PHXF0012H	Development of Membraneless Microfluidics Enzymatic Biofuel cell (M-MEBFC) for Energy Harvesting and Glucose Sensing	Dr. Sanket Goel		BITS-Pilani, Hyderabad campus
50	MD. ABDUL RAHEEM JUNAIDI 2016PHXF0119H	Design modification and analysis of an existing form of Laparoscopic forceps	Dr. Ram Chandra Murthy K		BITS-Pilani, Hyderabad campus
51	SUNIL DUTTA 2017PHXF0301H	Development and Investigations on Surface Integrity of Turned Novel AM Series Alloy using High Performance Tools	Prof. N Suresh Kumar Reddy		BITS-Pilani, Hyderabad campus

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52	GAYATRI VINEELA MARRIVADA 2016PHXF0416H	Design and fabrication of braided hybrid composite overwrapped pressure vessel	Dr. C.P. Kiran	Dr. Sujith R	BITS-Pilani, Hyderabad campus
53	G. PRAVEEN KUMAR 2016PHXF0420H	Experimental investigations and mathematical modeling of incremental forming processes	Dr. K. Suresh		BITS-Pilani, Hyderabad campus
54	P V SAI DIVYA 2016PHXF0419H	Thermo-mechanical analysis of direct chill casting of magnesium alloys	Dr P Pavan Kumar		BITS-Pilani, Hyderabad campus
55	GAURI RAJENDRA MAHALLE 2016PHXF0415H	Experimental and Finite Element (FE) Studies of Forming, Fracture and Wrinkling Limit Diagrams for Inconel 718 Alloy at Elevated Temperatures	Dr. Nitin R Kotkunde	Prof. Amit Kumar Gupta	BITS-Pilani, Hyderabad campus
56	HEMANTH MITHUN PRAVEEN 2016PHXF0417H	Investigation on Multicomponent Fault Interactions and Remaining Useful Life of Critical Components in a Wind Turbine Planetary Gearbox	Dr. Sabareesh Geetha Rajasekharan		BITS-Pilani, Hyderabad campus
57	L.RAMAYEE 2016PHXF0418H	Study of Aerodynamically Efficient Lobed Mixer Ducted Wind Turbine	Dr. Supradeepan K		BITS-Pilani, Hyderabad campus
58	SACHCHIDANAND DAS 2015PHXF0514H	Investigations on development of a Metamaterial Periodic Structure for machinery vibration isolation	Dr. Sabareesh Geetha Rajasekharan	Prof. Y V D Rao	BITS-Pilani, Hyderabad campus
59	AKHIL BHARDWAJ 2016PHXF0421H	Enhancement of mechanical properties of Ti6Al4V alloy sheet using constrained groove pressing and heat treatment	Dr. Amit Kumar Gupta		BITS-Pilani, Hyderabad campus
60	PAWAN KUMAR CHAUHAN 2016PHXF0422H	Hydrogen adsorption on mesoporous polymer derived silicon oxycarbide ceramics.	Dr. Sujith R	Dr. Parameshwaran R	BITS-Pilani, Hyderabad campus
61	SUBHASIS ROY 2016PHXF0507H	Role of Autotaxin-Lipophosphatidic Acid (ATX-LPA) Signaling in Pathogenesis of Chronic Liver Disease and Associated Hepatic Encephalopathy and Renal Injury	Dr. OnkarPrakash Kulkarni	Dr. Manish Banerjee	BITS-Pilani, Hyderabad campus & TCG Lifesciences Pvt. Ltd. Kolkata
62	PRAGYA PARAMITA PAL 2017PHXF0026H	Investigation on the Metabolites of <i>Piper nigrum</i> Endophytes for Discovering Pro-Inflammatory Cytokine Inhibitors	Dr. A. Sajeli Begum		BITS-Pilani, Hyderabad campus
63	YAMINI BOBDE 2016PHXF0424H	Development of Stimuli-responsive Acrylic Polymeric Systems for Drug Delivery in Cancer	Dr. Balaram Ghosh	Dr. Swati Biswas	BITS-Pilani, Hyderabad campus
64	ASHA MATTA 2016PHXF0508H	Development of Polymeric Microneedle Array for Oral Delivery of Chemotherapeutics to treat Head and Neck Cancer	Dr. V. V. Vamsi Krishna		BITS-Pilani, Hyderabad campus
65	GIRDHARI ROY 2017PHXF0025H	Ocular Delivery of Therapeutics Using Polymeric Microneedles	Dr. V. V. Vamsi Krishna		BITS-Pilani, Hyderabad campus

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66	TV RADHAKRISHNA MULLAPUDI 2017PHXF0108H	Identification of UGT-isoform specific substrates and inhibitors and their contribution in drug metabolism and systemic levels of bile secretions	Prof. Punna Rao Ravi		Acubiosys Private Limited
67	ESTHARLA MADHU REKHA 2016PHXF0031H	Advancing Host-Directed Therapy for Tuberculosis: Development of novel mTOR/PI3K inhibitors as an adjunctive treatment for tuberculosis	Dr. D. Sriram		BITS-Pilani, Hyderabad campus
68	K HARITHA 2015PHXF0517H	Modelling Mechanical Properties of Biofilms	Prof Aravinda N Raghavan	Dr. Asma Ahmed	BITS-Pilani, Hyderabad campus
69	Sreenivas Venguru 2017PHXF0302P	Fluid Structure Interaction (FSI) based study of the clot removal process in cerebral blood vessels using a catheter	Dr. Shyam Sunder Yadav	Dr. Girdhar Gaurav	BITS, Pilani - Pilani Campus
70	Jagrity Chaudhary 2016PHXP0014P	Syntheses, Study of Photophysical Properties and Applications of Near Infra-red AIE Active Molecules: A combined Approach of Computational Modeling and Experiments	Prof. R.K. Roy	Prof. Inamur Rahaman Laskar	BITS, Pilani - Pilani Campus
71	Sayantan Halder 2016PHXP0013P	Physicochemical characterization of some gemini surfactant based soft matter systems	Prof. SK Saha		BITS, Pilani - Pilani Campus
72	Vikki Narayan Shinde 2016PHXP0016P	Synthesis of Novel Fused Aza-heterocycles via Transition Metal Catalyzed Cross Dehydrogenative Coupling Reactions	Prof. Anil Kumar	Prof Dalip Kumar	BITS, Pilani - Pilani Campus
73	Chavi Mahala 2016PHXP0015P	Synthesis of 2D sheet and it's decoration on semiconductor nanosheet for electrocatalytic and photoelectrochemical (PEC) water splitting	Dr. Surojit Pande	Dr. Mrinmoyee Basu	BITS, Pilani - Pilani Campus
74	Virender Singh Phogat 2016PHXP0501P	Study of Various factors affecting Hill Roads and their Environmental Impact Assessment	Dr. Anupam Singhal	Dr. Ravi Kant Mittal	BITS, Pilani - Pilani Campus
75	Gaurav Nagpal 2016PHXF0106P	Inventory Modeling and Optimization for high technology products with successive generations	Dr. Udayan Chanda		BITS, Pilani - Pilani Campus
76	Arpit Rastogi 2016PHXF0108P	Empirical Investigation and Validation of a Framework for Sustainable Development of Electric Vehicle (EVs) Manufacturing Industry in India	Prof. Abhijeet K. Digalwar		BITS, Pilani - Pilani Campus
77	Nidhi Mundra 2016PHXF0101P	Development and Validation of Lean-Six Sigma and Agile Manufacturing: An Integrated Framework for Indian Industries	Prof. Rajesh P Mishra		BITS, Pilani - Pilani Campus
78	Harish Kumar Mlchandani 2011PH430451P	Identification of hazard consistent ground motions for response history analysis and resilience based design of famed structures	Dr. G. Muthukumar		BITS, Pilani - Pilani Campus
79	Kanupriya Arya 2016PHXP0504P	Restorying Marginalized Voices of Partition Narratives through Selected Works and Movies	Dr. Devika		BITS, Pilani - Pilani Campus
80	Sandhya Pande 2015PHXF0504P	Conceptualization of Innovation Management Maturity Model for Automotive Industry in India	Dr. Neetu Yadav		BITS, Pilani - Pilani Campus

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81.	Venkata Vijayan S. 2016PHXF0017P	Design of adaptive soft sensors for monitoring and control of industrial processes	Dr. A.K. Pani	Dr. H.K. Mohanta	BITS, Pilani - Pilani Campus
82.	Sanjay Vidhyadharan 2016PHXF0409H	Design and Development of Improved Tunnel FET Based VLSI Circuits as a Viable Alternative to the State-of-the-Art CMOS Technology for Low Power Analog and Digital Applications	Dr. Surya Shankar Dan	Dr. Saroj Mondal	BITS, Pilani - Hyderabad Campus
83.	Pradeep Singh Rawat 2017PHXF0300H	Development and Evaluation of novel nanoparticle loaded in situ gel formulation of an Anti Glaucoma drug	Prof. Punna Rao Ravi	Dr. Rajeev Singh Raghuvanshi	Dr. Reddy's Laboratories Ltd., Hyderabad
84.	Arun S. Nair 2015PHXF0024G	Design of Multicore Mixed Criticality Model & High Performance Scheduler for ISO26262 Automotive Functional Safety Real-time Systems	Dr. Biju K. Raveendram	Prof. Sasikumar Punnekkat	BITS, Pilani - KK Birla Goa Campus
85.	J.L. Louella M. Mesquita Colaco 2015PHXF0009G	Design of Energy Efficient multi-core mixed criticality resource constrained and DO 178b/C complaint Real Time Schedule for Robotics/Avionics like applications	Dr. Biju K. Raveendram	Prof. Sasikumar Punnekkat	BITS, Pilani - KK Birla Goa Campus
86.	Ravindra Singh Saluja 2016PHXF0419G	Study of the selection issue in joining process for different applications	Dr. Varinder Singh		BITS, Pilani - KK Birla Goa Campus
87.	Abhilash Kumar Tilak 2016PHXF0420G	Effects of hybrid nanofluids on fluid dynamics and heat transfer characteristics of various microchannels	Dr. Ranjit S. Patil		BITS, Pilani - KK Birla Goa Campus
88.	Pabitra Kumar Pradhan 2016PHXF0021G	Analytical and Numerical Study of Quasilinear Hyperbolic Systems of PDEs	Dr. Manoj Kumar Pandey		BITS, Pilani - KK Birla Goa Campus
89.	Satish G. 2016PHXF0414H	Development of secure and efficient image encryption algorithms	Dr. Manish Kumar	Prof. Michael Alphonse	BITS, Pilani - Hyderabad Campus
90.	Dhanashree H. Surve 2016PHXF0417P	Development of surface modified lipid nanoparticles for targeted delivery of anti-HIV drugs	Dr. Anil Jindal		BITS, Pilani - Pilani Campus
91.	Priyadeep Manchanda 2016PHXF0506P	Assessment of metabolism-based herb-drug interaction potential of Herbal medicine(s) with synthetic drugs	Dr. Atish T. Paul	Dr. Prabhakar K.R.	Syngene International Ltd., Bangalore
92.	Shruti 2016PHXF0012P	Stochastic Modelling and Performance Evaluation of Cellular Mobile Networks	Dr. Rakhee		BITS, Pilani - Pilani Campus
93.	Mukesh Singh Tomar 2016PHXP901U	Investigation on effects of passive fire protection techniques in tunnel fire environment	Dr. Shashank Khurana	-	BITS, Pilani - Dubai Campus
94.	Bibina VC 2015PHXF005U	Early Detection of Alzheimer's: An Application of Biomedical Signal Processing	Dr. Mary Lourde R.	Dr. Ajit Kumar	BITS, Pilani - Dubai Campus

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95.	Satyendra Singh Chauhan 2015PHXP012P	Blood flow through stenotic arteries with Newtonian or non-Newtonian fluid approach	Dr. Ashish Tiwari	-	BITS, Pilani - Pilani Campus
96.	Krishna Kumari Swain 2015PHXF408G	Heavy metal analysis in water and sea food using novel biosensor based on enzymes and enzyme mimics	Prof. Sunil Bhand	Prof. Aditya P. Koley	BITS Pilani - KK Birla Goa Campus
97.	Akanksha Gavendra 2015PHXF404G	Influence of filler particle morphology and surface characteristics on rheological dynamics of particle-filled nanocomposites and yield stress fluids	Dr. Asima Shaukat	-	BITS, Pilani KK Birla Goa Campus
98.	Shalom Mathew Sardinha 2015PHXF018G	Development of Loss Reduction Techniques in Generation, Transmission and Distribution of Electricity in India	Dr. Debasis Patnaik	Dr. Debdulal Thakur	BITS, Pilani KK Birla Goa Campus
99.	Harinder Singh 2016PHXF018G	India's Maritime Goodwill Curve: Feasibility and Prospect Analysis	Prof. R.P. Pradhan	-	BITS, Pilani KK Birla Goa Campus
100.	Tanya Anne Pinto 2015PHXF005G	An analysis of the intersection of caste and gender in the occupation of waste pickers in select cities of India	Dr. K.A. Geetha	-	BITS, Pilani KK Birla Goa Campus
101.	Tanna Shilpa Shirishkumar 2016PHXF017G	Graphic Narration: A Study of Indian Graphic Novels	Dr. Geetha B.	-	BITS, Pilani KK Birla Goa Campus
102.	Pravin Kumari 2015PHXP409P	Boundary Layer Resolving Numerical Methods for Singularly Perturbed Boundary Value Problems	Dr. Devendra Kumar	-	BITS, Pilani - Pilani Campus
103.	Krishna Veer Singh 2016PHXP005P	Energy Efficiency Improvement in Plug-in/Solar Hybrid Electric Vehicle using Ultra capacitors	Dr. Hari Om Bansal	Dr. Dheerendra Singh	BITS, Pilani - Pilani Campus
104.	Dave Heema Bharatkumar 2015PHXF407P	Design and Analysis of High Performance Impedance Source Inverter (UHP-ZSI) For Adjustable Speed Drive System	Dr. Dheerendra Singh	Dr. Hari Om Bansal	BITS, Pilani - Pilani Campus
105.	Prateek Bindra 2016PHXP409P	Titanium dioxide nanostructures based devices for selective vapor sensing	Dr. Arnab Hazra	-	BITS, Pilani - Pilani Campus
106.	Ritish Kumar 2016PHXF007P	Design and Development of Microstrip Slot-Antenna for Directive Ultra Wideband (UWB) Applications	Dr. Praveen Kumar A.V	-	BITS, Pilani - Pilani Campus
107.	Parul Taneja 2016PHXF010P	Development of thin film based sensor	Dr. Raj Kumar Gupta	Dr. Karunesh Kumar Gupta	BITS, Pilani - Pilani Campus
108.	Ishan Mata 2015PHXF015P	Studies in Differential Cohomology	Dr. Rishikesh Vaidya	-	BITS, Pilani - Pilani Campus
109.	Arghya Maity 2014PHXF424P	Statistical Thermodynamics of DNA molecule in crowded environment	Dr. Navin Singh	-	BITS, Pilani - Pilani Campus

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110.	Kiran Raj K. 2015PHXP014P	Fracture behavior of biological and bio-inspired composites	Dr. Murali Palla	-	BITS, Pilani - Pilani Campus
111.	Premanath Murge 2016PHXF003H	Development of Solid Adsorbents for CO ₂ capture from simulated flue gas: Material Synthesis, Characterization, Kinetics and Process Optimization	Dr. Srikant Dinda	Dr. Sounak Roy	BITS, Pilani - Hyderabad Campus
112.	Thirupathi Reddy P 2015PHXF504H	Synthetic Studies on Lumazine peptides, 9-substituted 1H-benzo[f]indoles and Pyrrolo [2,3-c]quinolines	Dr. Anupam Bhattacharya	-	BITS, Pilani - Hyderabad Campus
113.	Karuna Anna Sajeevan 2015PHXF404H	Structural and Functional Characterization of Animal Venom Toxins using Computer Simulations	Dr. Durba Roy	-	BITS, Pilani - Hyderabad Campus
114.	Vineesha Chundi 2016PHXF007H	Pavement Asset Management System for Indian Highways	Dr. Sridhar Raju	-	BITS, Pilani - Hyderabad Campus
115.	B S A S Rajita 2015PHXF409H	Analysis of Temporally Evolving Social Network Patterns	Dr. Anand N Murthy	-	BITS, Pilani - Hyderabad Campus
116.	Rashmi Sahay 2016PHXF009H	Securing the Internet of Things Environment against RPL (Routing Protocol for Low power and Lossy Network) Attacks	Dr. G. Geethakumari	Dr. Bashra Mitra	BITS, Pilani - Hyderabad Campus
117.	Ramakant 2016PHXF601H	Development of Physics-based Compact Analytical Model and Simulation of Double-Gate Fully Depleted Silicon-on-Insulator Tunnel Field effect Transistor (DG FDSOI TFET) Device	Dr. Surya Shankar Dan	Dr. Subhendu Kumar Sahoo	BITS, Pilani - Hyderabad Campus
118.	Sandeep Kumar 2016PHXF600H	Investigations on Possible Realization of Wideband High Efficiency Compact Metamaterial-Based Antenna for Wireless Applications	Dr. Runa Kumar	Dr. S.R. Zinka	BITS, Pilani - Hyderabad Campus
119.	Alugoju Uday Kumar 2015PHXF412H	Numerical Modelling and Optimization Studies on Minichannels and Microchannels	Dr. Satish Kumar Dubey	Dr. Arshad Javed	BITS, Pilani - Hyderabad Campus
120.	G. Naveen Kumar 2015PHXF515H	Experimental and analytical studies on cryogenically conditioned nanoencapsulated PCM-enhanced mortar for cooling applications in tropical buildings	Dr. R. Parameshwaran	Dr. V. Vinayaka Ram	BITS, Pilani - Hyderabad Campus
121.	Pavandatta M Jadhav 2016PHXF022H	Development of Multi Component Nano Composite Coated Cutting Tools	Dr. N. Suresh Kumar Reddy	-	BITS, Pilani - Hyderabad Campus
122.	Amar S.D. 2016PHXF023H	Hybrid Ultrasonic Assisted Bottom Pour Stir Casting Process - A Novel Casting Approach to Improve Quality of Aluminium Alloy Casting	Dr. N. Suresh Kumar Reddy	-	BITS, Pilani - Hyderabad Campus

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123.	Ankamma Rao P 2016PHXF024H	Experimental studies on thermochemical energy conversion and storage characteristics	Dr. N. Jalaiah	Dr. R. Parameshwaran	BITS, Pilani - Hyderabad Campus
124.	Inturi Vamsi 2016PHXF025H	Development of an integrated and adaptive condition monitoring scheme for fault diagnosis in different stages of wind turbine gear box	Dr. Sabareesh Geetha Rajasekharan	Dr. Pavan Kumar Penumakala	BITS, Pilani - Hyderabad Campus
125.	K Limbadri 2016PHXF118H	Experimental and finite element studies on formability of Zircaloy-4	Kurra Suresh	Prof. Swadesh Kumar Singh	GRIET, Hyderabad
126.	Kirti 2016PHXF030H	Discovery of pro-inflammatory cytokine inhibitors from bacterial strain for treatment of renal inflammation	Dr. A Sajeli Begum	Dr. Onkar Kulkarni	BITS, Pilani - Hyderabad Campus
127.	Vagolu Siva Krishna 2015PHXF416H	Design and development of novel bacterial ketol-acid reductoisomerase inhibitors	Dr. D. Sriram	-	BITS, Pilani - Hyderabad Campus
128.	Naga Thirumalesh Chevala 2016PHXF026H	Development of smart capsule containing drug loaded multilayer film to target colorectal cancer	Dr. V.V. Vamsi Krishna	-	BITS, Pilani - Hyderabad Campus
129.	Ankur Joshi 2015PHXP503P	Design and Development of Robust Credit Risk Management and Risk Appetite Framework for the Banking Sector	Prof. NVM Rao	Dr. A.K. Vaish	BITS, Pilani - Pilani Campus
130.	Rahul Priyadarshi 2016PHXP003P	Design of Post-Harvest Supply Chain for Selected Agriculture Produces in India	Prof. Srikanta Routroy	Dr. Girish Kant	BITS, Pilani - Pilani Campus
131.	Vikas Kumar 2016PHXF019P	RNAi screening to study the role of Mosquito ATP-binding cassette (ABC) transporter(s) in immunity against blood-borne pathogens	Prof. Vishal Saxena	Prof. Sanjeev Kumar Dr. Shilpi Garg	BITS, Pilani - Pilani Campus
132.	Shahid Khan 2015PHXF401P	Identifying the role of Type VI secretion system of <i>Enterobacter cloacae</i> SBP-8 in its pathogenicity	Prof. P.N. Jha	Dr. Sandhya Marathe	BITS, Pilani - Pilani Campus
133.	Heena Saini 2015PHXF402P	A comparative analysis and understanding of molecular aspects of drug sensitivity in cancer cells with null, wild type and gain of function mutant p53	Prof. Shibashish Chowdhury	Dr. Rajdeep Chowdhury	BITS, Pilani - Pilani Campus
134.	Pinky 2015PHXP404P	Cloning and characterization of the amino acid transmembrane transporter from <i>Arabidopsis thaliana</i>	Prof. Rajesh Mehrotra	-	BITS, Pilani - Pilani Campus
135.	Jiss Maria Louis 2015PHXF401G	Role of alternative splicing in type 2 diabetes; a genome wide approach	Dr. Indrani Talukdar	-	BITS, Pilani - KK Birla Goa Campus
136.	Guruprasad V. Talekar 2015PHXF402G	Design and development of Electrochemical system for decentralized wastewater treatment and energy recovery	Dr. Srikanth Muntunuri	-	BITS, Pilani - KK Birla Goa Campus

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137.	Mukund Harugade 2016PHXF026G	Experimental Investigations and Analysis of Magnetic field Assisted Electrochemical Discharge Machining Process	Dr. Sachin Waigaonkar	-	BITS, Pilani - KK Birla Goa Campus
138.	Dixit Swadesh Sandesh 2016PHXF024G	On fracture behavior of pressure vessel steel; cryogenic treatment and acoustic emission technique	Dr. Vikas Chaudhari	-	BITS, Pilani - KK Birla Goa Campus
139.	Hendre Kedar Madhukar 2016PHXF025G	Enhancement of Crashworthiness of Automobiles by Reducing Injuries to upper Extremities and Improved Airbag Characteristics	Dr. Mali Kiran Dinkar	Prof. D.M. Mulkarni	BITS, Pilani - KK Birla Goa Campus
140.	Devendra Yadaora Shahare 2015PHXF025G	Design of Controllers for Semi-active Suspension System for Half Car Model using MR Damper	Dr. Pravin M. Singru	Dr. Narayan S. Manrekar	BITS, Pilani - KK Birla Goa Campus
141.	Rayudu Nithin Manohar Chowdary 2016PHXF416G	Simulation of simultaneous rock fractures with coalescence using partition of unity element method	Dr. Gaurva Singh	Dr. Xuhai Tang	BITS, Pilani - KK Birla Goa Campus
142.	Tirtharaj Dash 2016PHXF421G	Search as a Game in Machine Learning with application to Biological Problems	Dr. Ashwin Srinivasan	Dr. Sukanta Mondal	BITS, Pilani - KK Birla Goa Campus
143.	Mohit Sewak 2015PHXF023G	Study and Design of Cognitive System for the Detection of Advanced Malware	Dr. Sanjay K. Sahay	-	BITS, Pilani - KK Birla Goa Campus
144.	Kalyan Ram B 2016PHXF016G	Development of Resource Management Strategies for Machine to Machine (M2M) Communication Platform	Dr. Nitin Sharma	-	BITS, Pilani - KK Birla Goa Campus
145.	Vivek Chandran K.P. 2016PHXF423G	Gyro-less Attitude and Attitude-Rate Estimation for a Satellite Using Non Linear Models and Star Vector Observations	Dr. Narayan S Manjarekar	Dr. Pravin M. Singru	BITS, Pilani - KK Birla Goa Campus
146.	Gibin Chacko George 2016PHXF014G	Design and development of reconfigurable hardware accelerator for the analysis of reflectometry data	Dr. Amalin Prince	-	BITS, Pilani - KK Birla Goa Campus
147.	Naik Akhilesh Gurudas 2016PHXF015G	Design and Optimization of High Speed Digital Multipliers	Prof. Dipankar Pal	-	BITS, Pilani - KK Birla Goa Campus
148.	Madhurya Chandel 2015PHXF406G	Development of grapheme based magnetically separable nanocatalysts which can exhibit versatile and efficient catalytic activity towards several organic reactions	Dr. N.N. Ghosh	-	BITS, Pilani - KK Birla Goa Campus
149.	Apeksha Ashok Phadte 2015PHXF409G	Heteroaromatic push-pull molecules dibenzodioxins, phenazines, porphyrins: Design, synthesis, electronic properties and anti-tumor activity	Dr. Subhadeep Banerjee	-	BITS, Pilani - KK Birla Goa Campus

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150.	Himanshu Purohit 2015PHXF502P	Person Authentication Based on Multi-Model Biometric System	Dr. Pawan K. Ajmera	-	Sir Padampat Singhania Univ. Udaipur
151.	Sandeep Lakshmipathy 2016PHXF701P	Multi-sided platform business models in India: A strategic analysis	Dr. Raghunathan R.	Prof. Srinivasan R.	BITS, Pilani - Pilani Campus
152.	Munish Pal Singh 2015PHXP102P	Investigations into Service Operations and Service Quality Dimensions of Indian Automotive after-sales market for enhancing Customer satisfaction	Dr. Satyendra Kumar Sharma	Dr. Udayan Chanda	BITS, Pilani - Pilani Campus
153.	Shailee Gaur 2016PHXF023P	Production and recovery of biosurfactants using oil based waste as a substrate	Dr. Amit Jain	Dr. Suresh Gupta	BITS, Pilani - Pilani Campus
154.	Agnivesh P 2014PH30065P	Analysis and Modelling of Urban Freight Demand for Seven Cities in Kerala, India	Dr. Prasanta Kumar Sahu	-	BITS, Pilani - Pilani Campus
155.	Avinash Kumar 2015PHXF507H	Aspect Based Opinion Mining Of Social Media Content	Dr. Aruna Malapati	Prof. N.L. Bhanumurthy	BITS, Pilani - Hyderabad Campus
156.	Prerna Kaushik 2013PH12192P	Developing streaming and online algorithms for Social Media Analytics	Dr. Navneet Goyal	-	BITS, Pilani - Pilani Campus
157.	Sandhya 2015PHXP007P	Design and Development of Models for Enhancing the Performance and Management of Computer Networks Using Software Defined Networking Paradigm	Dr. K. Hari Babu	Dr. Ashutosh Bhatia	BITS, Pilani - Pilani Campus
158.	Prakash Inbasekaran 2016PHXP900U	Relationship between Organizational Diversity Climate and Employee Acculturation: An Empirical Study of Expatriates in MNCs of United Arab Emirates	Dr. Shazi Shah Jabeen	Dr. Srinivasa A. Rao	BITS Pilani - Dubai Campus
	Aljo Jose 2015PHXP002U	Secure and real-time authorization of in-flight sale transaction payments	Dr. Sujala D. Shetty	-	BITS Pilani - Dubai Campus
159.	Sheetal Vijay Desai 2015PHXF900U	A study of the impact of cultural intelligence of employees on their organizational citizenship behaviors in a multicultural workplace: A Case of select MNCs in the United Arab Emirates	Dr. Srinivasa Rao	Dr. Shazi Shah Jabeen	BITS Pilani -Dubai Campus
160.	Saipriya Kamath 2013PHXF510H	Once Bitten Once Shy: Learning or Conservatism after Audit Failure?	Prof. Niranjana Swain	Prof. Sanjay Kallapur	Indian School of Business Hyderabad
161.	Challagulla Surya Prakash 2015PHXF407H	Dynamic behavior of primary structures, attached with flexibly connected secondary systems	Dr. Chandu Parimi	-	BITS, Pilani - Hyderabad Campus
162.	Ashok Kumar Suluguru 2015PHXF406H	Behavior of Shallow Foundation Resting on Soil Partially Replaced with Building Derived Materials under Static Loads	Dr. ArkamitraKar	Dr. Anasua Guharay	BITS, Pilani - Hyderabad Campus

S.No	Name & ID	Topic	Supervisor	Co-Supervisor	Locale of work
163.	Syed Faizullah Faisal 2014PHXP900U	Application of Modular Multilevel Converters (MMC) for HVDC Transmission	Dr. A.B. Chattopadhyay	Dr. Abdul R. Beig	The Petroleum Institute, Abu Dhabi
164.	ChitraRamchandran Nair 2015PHXF403G	Blood Coagulation and Platelet Aggregation Inhibiting Toxins of Indian Spectacled Cobra (Najanaja) Venom	Prof. Dibakar Chakrabarty	Dr. Angshuman Sarkar Dr. Sukanta Mondal	BITS, Pilani - KK Birla Goa Campus
165.	Mane RavindraGangaram 2015PHXF027G	Struvite formation and its use as an alternative to chemical fertilizers for crop production	Prof. Srikanth Mutnuri		BITS, Pilani - KK Birla Goa Campus
166.	AtanuGuha 2014PHXF401G	Astrophysical and Collider Signatures of Dark Matter	Prof. Prasanta Kumar Das	-	BITS, Pilani - KK Birla Goa Campus
167.	Sreekrishnan V. 2014PHXF012G	Designing Meta-Clouds For Hybrid Cloud Brokerage	Prof. Santonu Sarkar	-	BITS, Pilani - KK Birla Goa Campus
168.	Anuj Kumar Ojha 2015PHXF010P	Performance Enhancement of Cylindrical Dielectric Resonator Antennas for Wireless Applications	Dr. Praveen Kumar A.V.		BITS, Pilani - Pilani Campus
169.	VasanthKeshav 2015PHXF004P	Dynamic Buckling Response of Laminated Composite Shell Structures	Dr. Shuvendu Narayan Patel	-	BITS, Pilani - Pilani Campus
170.	Vishal Kachwal 2014PHXF015P	Design and synthesis of solid state luminescent smart materials: Applications in pH probing, bio-imaging and bio-sensing	Dr. Inamur Rahaman Laskar		BITS, Pilani - Pilani Campus
171.	Abid Hamid 2014PHXF406P	Understanding the components of Density Functional Reactivity Theory (DFRT) based stabilization energy and related applications	Prof. Ram Kinkar Roy	-	BITS, Pilani - Pilani Campus
172.	Bijoya Das 2014PHXF407P	Spectroscopic and theoretical investigation of proton transfer and charge transfer processes in model molecular systems	Dr. Shamik Chakraborty	-	BITS Pilani - Pilani Campus
173.	Ashish Patel 2015PHXF601P	Development of Adaptive and Intelligent Control Strategies for Unified Power Quality Conditioner with Distributed Generation (UPQC _{DG})	Dr. H.D. Mathur	Dr. Surekha Bhanot	BITS, Pilani - Pilani Campus
174.	Amit Kumar 2014PHXF419P	Stochastic Modeling of Repairable Machining System with Spare Provisioning	Dr. Chandra Shekhar	-	BITS, Pilani - Pilani Campus
175.	Roshan Chandra 2015PHXF003P	Attrition of Bed Particles in a Re-Circulating Fluidized Bed Reactor	Dr. Raman Sharma	Dr. Arvind Kumar Sharma	BITS, Pilani - Pilani Campus
176.	Dhananjay Kumar 2015PHXF009P	Design and development of intelligent control algorithms for frequency regulation in microgrid	Dr. Hitesh DattMathur	Dr. Surekha Bhanot	BITS, Pilani - Pilani Campus
177.	Ritika Sharma 2014PHXF430P	Steady State and Pico-second Time-resolved Study of Fluorescence Sensing for Ions	Dr. D.D. Pant	-	BITS Pilani - Pilani Campus

S.No	Name & ID	Topic	Supervisor	Co-Supervisor	Locale of work
178.	Pradeepkumar R. Yadav 2014PHXF423P	Theoretical studies of compact astrophysical objects	Dr. BiswanathLayek	-	BITS, Pilani - Pilani Campus
179.	Rohit S. Gunerkar 2015PHXF013P	Fault diagnosis of rolling element bearing with multiple localized defect using mathematical modeling and experimental analysis	Dr. Arun Kumar Jalan	Dr. SachinBelgamwar	BITS, Pilani - Pilani Campus
180.	VikramPareek 2015PHXF001P	Mechanistic aspects of metal nanoparticles towards their antimicrobial activity	Dr. JitendraPanwar	-	BITS, Pilani - Pilani Campus
181.	ShreekantVarshney 2014PHXF417P	Performance Analysis of Finite Queueing Systems	Dr. Chandra Shekhar	-	BITS, Pilani - Pilani Campus
182.	Kocherlakota Satya Pritam 2015PHXF011P	Generalized Fraction Calculus Operators and Their Applications	Dr. TrilokMathur	Dr. Shivi Agarwal	BITS, Pilani - Pilani Campus
183.	PrachetaSengupta 2015PHXF411P	Anti-Obesity Composition from Selected Indian Medicinal Plants	Dr. Paul AtishTulshiram	-	BITS, Pilani - Pilani Campus
184.	Nisha Sharma 2015PHXF412P	To study the role of hyperglycemia in the progression of acute kidney injury	Dr. Gaikwad Anil Bhanudas	-	BITS, Pilani - Pilani Campus
185.	Kowthavarapu V. Krishna 2015PHXF413P	Development and Evaluation of Nanoparticulate Drug Delivery System for the Treatment of Alzheimer's Disease (AD)	Dr. Sunil Kumar Dubey	Prof. Ranendra N. Saha	BITS, Pilani - Pilani Campus
186.	ItaliyaKishanShamjibhai 2015PHXF414P	Nano-formulation of Hydrophobic Conjugate of Lysofylline (LSF) for Effective Treatment of Diabetes	Dr. Anupama Mittal	-	BITS, Pilani - Pilani Campus
187.	Ginson George 2015PHXF416P	Isolation, Characterization and Evaluation of Pancreatic Lipase Inhibitors from Selected Indian Medicinal Plants	Dr. Paul AtishTulshiram	-	BITS, Pilani - Pilani Campus
188.	Saurabh Sharma 2015PHXF415P	Nano-carriers for co-delivery of small molecule and microRNA for treatment of cancer	Dr. Deepak Chitkara	-	BITS, Pilani - Pilani Campus
189.	JahagirdarAnkushChandrakant 2016PHXF202P	Machine Condition Monitoring using Vibration and Acoustic Signal Processing Techniques	Dr. K.K. Gupta	-	BITS, Pilani - Pilani Campus
190.	Harshavardhan S. 2016PHXF203P	Computational model predictions of vowel level, age and hearing loss on concurrent vowel identification	Dr. Anantha Krishna Chintanpalli	-	BITS, Pilani - Pilani Campus
191.	Karri Babu Ravi Teja 2016PHXF201P	Study on Material Issues and Electronic Behavior of Organic Thin Film Transistor (O-TFT)	Dr. Navneet Gupta	-	BITS, Pilani - Pilani Campus
192.	Rajesh Kumar Srivastava 2015PHXF005H	Code Tamper-Proofing Using Return Oriented Programming on IoT Devices	Prof. ChittranjanHota	-	BITS, Pilani - Hyderabad Campus
193.	Sanket Mishra 2015PHXF040H	Cognitive IoT Resilient Framework for Smart Buildings	Prof. ChittranjanHota	-	BITS, Pilani - Hyderabad Campus
194.	Sanjeev Kumar Singh 2015PHXF601H	Efficient Data Structures and Algorithms for Range Aggregate Problems	Dr. Tathagata Ray	-	BITS, Pilani - Hyderabad Campus

S.No	Name & ID	Topic	Supervisor	Co-Supervisor	Locale of work
195.	KonkaRaviteja 2014PHXF007H	An Investigation in Gravitational Entropy	Dr. SashideepGutti	-	BITS, Pilani - Hyderabad Campus
196.	KrishnaprakakshNunna 2015PHXF015H	Gravitational waves from oscillations and instabilities in Neutron stars	Dr. SarmisthaBanik	-	BITS, Pilani - Hyderabad Campus
197.	Chithajalu Kiran Sagar 2015PHXF010H	Experimental Study and Finite Element Analysis of Machining Behaviour of Tungsten Heavy Alloys	Dr. Amrita Priyadarshini	Prof. Amit Kumar Gupta	BITS, Pilani - Hyderabad Campus
198.	Mohd. Abdul Wahed 2015PHXF411H	Experimental and Numerical Studies of Spring-Back in Ti-6Al-4V alloy at Elevated Temperatures	Prof. Amit Kumar Gupta	Dr. Nitin Ramesh Kotkunde	BITS, Pilani - Hyderabad Campus
199.	Ramsankar V. 2015PHXF600H	Proper Orthogonal Decomposition and Dynamic Mode Decomposition analysis on Low Reynolds number flow past cylinders	Dr. Supradeepan K.	Dr. Satish K. Dubey	BITS, Pilani - Hyderabad Campus
200.	Mounika Venkateswararao Manne 2015PHXF405H	Satellite derived attributes of Plant Functional Types for estimating Net Primary Productivity (NPP) through process models	Dr. Rajitha K.	-	BITS, Pilani - Hyderabad Campus
201.	S.N. Manasa Dhakshayani 2015PHXF402H	Development and Characterization of Biological Based Nanofibers and Nanogels for Encapsulation Applications	Dr. KarthikChethan V.	Dr. V Vamsi Krishna Venuganti	BITS, Pilani - Hyderabad Campus
202.	Sedmaki Kavitha 2016PHXF029H	Functional and therapeutic role of HDAC6 and Inflammasome Inhibitors in acute and chronic renal injury	Dr. Onkar Prakash Kulkarni	-	BITS, Pilani - Hyderabad Campus
203.	V. Nageswara Rao 2015PHXF516H	Targeted delivery of chemotherapeutic agents using human serum albumin for the treatment of Cancer	Dr. Dr. Swati Biswas	Dr. MayurSankalia	BITS, Pilani - Hyderabad Campus
204.	Jaspreet Kaur Kalra 2016PHXF027H	Role of double stranded RNA dependent protein kinase (PKR) in hypertension: mechanism and prevention	Dr. ArtiDhar	-	BITS, Pilani - Hyderabad Campus
205.	Karnam Kalyani 2016PHXF028H	Effect of hyperglycemia on interleukins expression in tissue injury and regeneration	Dr. Onkar Prakash Kulkarni	-	BITS, Pilani - Hyderabad Campus
206.	Ekta Prasanthi Bommireddy 2015PHXF415H	Design and Evaluation of Drug Delivery Systems(s) for Increasing Oral Bioavailability of Candidate Anticancer Drug	Dr. Shrikant Y. Charde	Dr. Punna Rao Ravi	BITS, Pilani - Hyderabad Campus
207.	Dalvi Avantika Vijay 2014PH46054H	Design Optimisation and evaluation of a nanoparticulate system for delivery of antiepileptic drugs to CNS	Dr. Punna Rao Ravi	-	BITS, Pilani - Hyderabad Campus
208.	Chandra Teja Uppuluri 2016PHXF032H	Development and Evaluation of Nanoparticulate Systems for Nose-to-Brain Delivery of an Anti-Parkinson's Drug	Dr. Punna Rao Ravi	-	BITS, Pilani - Hyderabad Campus

S.No	Name & ID	Topic	Supervisor	Co-Supervisor	Locale of work
209.	Devesh Samaiya 2016PHXF204P	Development of algorithms for video analysis in compressed domain	Dr. Karunesh Kumar Gupta	-	BITS, Pilani - Pilani Campus
210.	Moyna Das 2014PHXF408P	Crystal Engineering of Imine and Amide Based Coordination Polymers and Analysis of their Photophysical, Anion Exchange and Guest Exchange Properties	Dr. Madhushree Sarkar	-	BITS, Pilani - Pilani Campus
211.	Sandeep Kumar 2014PHXF403P	Selection, characterization and evaluation of aptamer based biosensor for heavy metal detection	Prof. S.K. Verma	Dr. Anupam Singhal Dr. Rajdeep Chowdhury	BITS, Pilani - Pilani Campus
212.	Poonam Singh 2014PHXF402P	Selection, characterization and application of nucleic acid aptamers for detection of pesticides	Prof. S.K. Verma	Prof. Sunil Bhand	BITS, Pilani - Pilani Campus
213.	Leena Fageria 2014PHXF425P	Improving the anti-cancerous efficacy of nanoparticles by modulations of physico-chemical parameters and understanding of intracellular effects	Dr. Rajdeep Chowdhury	Dr. Surojit Pande	BITS, Pilani - Pilani Campus
214.	Zaiba Hasan Khan 2014PHXF426P	Cloning and characterization of protein phosphatase 2A (PP2A) promoter from Arabidopsis thaliana	Prof. Rajesh Mehrotra	-	BITS, Pilani - Pilani Campus
215.	Makhan Kumar 2015PHXF011G	Detailed study on the effects of Quinacrine (QC) on regulation of small GTPases and apoptosis in human non-small cell lung cancer cell lines cultured invitro	Dr. Angshuman Sarkar	-	BITS, Pilani - KK Birla Goa Campus
216.	Bibhudutta Mishra 2015PHXF013G	Understanding RNA, RNA-Protein and Protein-Ligand Interactions Using Computational Tools	Dr. Raviprasad Aduri	Dr. Alpesh M. Dhorajja	BITS, Pilani - KK Birla Goa Campus
217.	Anumeha Vats 2015PHXF004G	Enzyme Recovery for Improving Biogas Production	Dr. Srikanta Mutnuri		BITS, Pilani - KK Birla Goa Campus
218.	Laxminarayan Rawat 2015PHXF010G	To study the drug delivery system and anti-neoplastic activity of various compounds in-vitro	Dr. Vijayashree Nayak	-	BITS, Pilani - KK Birla Goa Campus
219.	Mayur Jartarkar 2015PHXF016G	Modeling cognitive functions of consumer behaviour using computational biology, brainwave measurement technology and machine learning	Dr. Veeky Bats	Prof. Bharat Deshpande	BITS, Pilani - KK Birla Goa Campus
220.	Rehan Ahmed Deshmukh 2015PHXF012G	Development of Molecular and Biosensor-based Methods for Detection of Bacterial Contamination in Water	Dr. Utpal Roy	Prof. Sunil Bhand	BITS, Pilani - KK Birla Goa Campus

S.No	Name & ID	Topic	Supervisor	Co-Supervisor	Locale of work
221.	Joseph Roque DollrichFernandes 2015PHXF014G	Management of Polycystic ovarian syndrome (PCOS) by regulating the hypothalamic-hypophyseal-gonadal axis (HPG axis) and the adipokine profile	Dr. Arnab Banerjee		BITS, Pilani - KK Birla Goa Campus
222.	Nikhil Rajendra Kadam 2015PHXF410G	Investigation of Multi-layer Ceramic Coatings for High Temperature Contact Surfaces	Dr. G. Karthikeyan	Prof. D.M. Kulkarni	BITS, Pilani - KK Birla Goa Campus
223.	Mahesh Dasar 2015PHXF015G	Study and Analysis of Fluid Dynamic and Heat Transfer Characteristics in Circulating Fluidized Bed Heat Exchanger with Novel Designs of Distributor Plates and Finned Cyclone Separators	Dr. Ranjit S. Patil		BITS, Pilani - KK Birla Goa Campus
224.	Reena Fernandes 2015PHXF008G	Design of Low Power, High Precision and High Speed Data Converters	Dr. Dipankar Pal	-	BITS, Pilani - KK Birla Goa Campus
225.	Balakrishnan Natarajan 2015PHXF019G	Aircraft Data Acquisition and Optimization of Flight and Maintenance Planning	Dr. Nitin Sharma	Dr. K.R. Anupama	BITS, Pilani - KK Birla Goa Campus
226.	Lt. Cdr. ChhaviRathi 2015PHXP001G	Sea Ports & Economic Development: The Case Study of Sagarmala& India's Maritime Infrastructure Movement	Dr. R.P. Pradhan	-	BITS, Pilani - KK Birla Goa Campus
227.	Ashish Kumar Nandi 2015PHXF017G	Study of matrix splittings and its application in solving singular linear systems	Dr. JagatiKesharS aho	-	BITS, Pilani - KK Birla Goa Campus
228.	Ravi Shankar 2015PHXF021G	Credit Risk Management: Pricing Collateral Debit Obligations	Dr. JagatiKesharS aho	-	BITS, Pilani - KK Birla Goa Campus
229.	Riyanka Swain 2015PHXF007G	Assessment of Corporate Governance Practices in Select Banks and Non-Banking Financial Institutions in India	Dr. Debasis Patnaik		BITS, Pilani - KK Birla Goa Campus
230.	Sindhuja Sen 2015PHXF006G	An Investigations of the Reaction Pathways and Nuclear Dynamics Involving Conical Intersections	Prof. Anjan Chattopadhyay	Dr. TanmoyMondal	BITS, Pilani - KK Birla Goa Campus
231.	Seema Sinha 2015PHXF101P	Celebrating the Marginals in Indic Myths: An Alternative Reading of the 'Mother' and the 'Other'	Dr. Kumar Sankar Bhattacharya	-	BITS, Pilani - Pilani Campus
232.	Unnikrishnan P.M. 2015PHXF103P	Assessing Business Excellence in Indian SME Sector	Dr. Jyoti	Dr. Arun Kumar	BITS, Pilani - Pilani Campus
233.	Sundar K. 2015PHXP007U	Experimental Investigations on Performance & Emission characteristics of a variable compression ratio (VCR) engine operated on Dual fuel mode using Diesel and Biodiesel (obtained from Cotton Seed Oil and Rice Bran Oil) with additives	Dr. R. Udayakumar	-	BITS, Pilani - Dubai Campus
234.	Subin M.C. 2015PHXF006U	Design and development of Sustainable Commercial Greenhouse	Dr. C. Periasamy	-	BITS, Pilani - Dubai Campus

7. Sponsored Research and Consultancy

BITS PILANI, PILANI CAMPUS

Projects sanctioned during 2017-18

S.No	Project Title	Principal Investigator /Co-PI	Sponsoring Agency	Amount Rs. (lakh)
1	Nanotechnology based pharmaceutical, nutraceuticals and cosmetics-development of platform technology	Dr. Deepak Chitkara	Incisive Elements USA	21.38
2	Synthesis and tubulin inhibition activity studies of novel indolyl heterocycles	Dr. Dalip Kumar	CSIR	22.36
3	Synthetic Probes for Staudinger Ligation: Synthesis and Application of Phosphane Based templates	Dr. Kiran Bajaj	DST-WoS	29.70
4	Electro-optical response of Nematic Liquid Crystals doped with nanorods	Dr. Manjula Devi-PI Dr. R. K. Gupta- Co-PI	DST	39.20
5	Mathematics aided Architectural Design layouts	Dr. Krishnendra Shekhawat	DST	15.45
6	Studying Catalytic carbonylation of polyols-Sustainable Route to Carboxylic Acids from Renewable Platforms	Dr. Bibhas Ranjan Sarkar	DST-SERB	32.29
7	Synthesis of D-glucose derived glycoconjugates and their application in molecular recognition and catalysis	Dr. Ajay Kumar Sah	SERB	30.10
8	To study the role of hyperglycemia on the progression of acute kidney injury	Dr. Gaikwad Anil Bhanudas	SERB	47.18
9	Development of a standardized formulation of Trigonella foenum-graecum seeds for preventing of delaying the development of Type-2 diabetes in subjects with Pre-diabetes	Dr. Sunil Kumar Dubey	ICMR	16.73
10	Transition-metal-catalysed synthesis of fused heterocycles via C-C/C-N bond forming strategies	Dr. Rajeev Sakhuja	DST	33.28
11	Development of bioinoculant based formulation for enhanced phytoremediation of poly chlorinated biphenyl (PCB) contaminated soil	Dr. Monika Sandhu	DST-WoS	20.80
12	Production and use of indigenous local strains of microbial pesticides through trainings, demonstrations and installation of cost effective production units for the farmers of Rajasthan	Dr. Jola Dubey	DST-WoS	26.33
13	Design and development of a power assistive hybrid e-trike (PAH e-Trike) for differently abled person in rural and urban regions of India	Dr. Sachin Belgamwar	DST-SEED	30.64
14	Peptide-decorated pH-sensitive nano-conjugate hybrid micelles for co-delivery of temozolamide and an autophagy inducer, rapamycin, for treatment of glioblastoma multiforme	Dr. Deepak Chitkara - PI Dr. Gaikwad Anil Bhanudas-CO-PI	DBT	38.33
15	IoT based energy management system of a Microgrid with V2G (Vehicle to Grid) feature	Dr. H. D. Mathur	DST-SEED	50.00
16	Realization of Flexible and Scalable VANET with multi-tenancy support using Software defined Networking and Network Virtualization	Dr. Ashutosh Bhatia	DST-SEED	40.00
17	Design and implementation of coordinated multi-robot system for area coverage under constrained wireless communication	Dr. Virendra Shekhawat	DST-SEED	40.00
18	Design and Implementation of content based Recommender System for answering web based user queries	Dr. Yashvardhan Sharma	DST-SEED	40.00
19	Structural Health Assessment and Rehabilitation Framework based on cyber physical system	Dr. Kota Soloman Raju CEERI Pilani- PI Dr. S B Singh-CO-PI	DST-SEED	70.00
20	Drivers of Sustainability Practices in SMEs: An Exploratory Study of Small Manufacturing Firms in Rajasthan	Dr. Neetu Yadav	ICSSR	3.00
21	Measuring the Impact of Socially Responsible Supply Chains and Development of Framework for Implementing Socially Responsible Supply Chains	Dr. Satyendra Sharma-PI Dr. Saurabh Chaddha-CO-PI	ICSSR	5.50
22	DST-FIST	Physics Dept	DST	115.00
23	Activity targeted nano-formulations for co-delivery of a taxane and antioxidant molecule, alpha acid, for treating breast cancer	Dr. Deepak Chitkara	DST-Rajasthan	11.14
24	Development of e-waste management strategies for selected e-products in Rajasthan	Dr. M S Dasgupta -PI Dr. Srikanta Routroy-CO-PI	DST-Rajasthan	7.35

S.No	Project Title	Principal Investigator /Co-PI	Sponsoring Agency	Amount Rs. (lakh)
25	A Benchmarking analysis public transport sector of Rajasthan	Dr. Shivi Agarwal - PI Dr. Trilok Mathur - Co-PI	DST-Rajasthan	7.35
26	cRGD decorated lipo-polymeric nanoplexes of CRISPR/Cas9 ribonucleoprotein (RNP) for the management of retinal dystrophic conditions.	Dr. Deepak Chitkara	DBT	35.00
27	Develop of novel anti-leishmanial analogues loaded with novel nano-formulations	Dr. S Murugesan - PI Dr. KVG Chandrashekhar - CO-PI	DBT-Indo Spain	50.00
28	Re- Value	Dr. Sauvik Bhattacharya- PI Dr. M.S.Dasgupta - Co-PI Dr. Srikanta Routroy - Co-PI	EU –DST (Indigo)	120.00
29	Development and evaluation of lipid based nanoparticles of Quinapyramine and Isometamidium salt for treatment of trypanosomiasis in camels	Dr. Anil Jindal - PI	DBT	35.00
30	Widening & Strengthening of existing Bikaner-Phalodi section to Four Lane from Km4+200 to Km 55+250 and two lane with PS from Km 55+250 to Km 163 +500 of NH-15 on BOT basis in the state of Rajasthan	Dr. A.K. Sarkar -PI Dr. A.P.Singh - Co-PI	NHAI	53.50

Ongoing Projects

S.No	Project Title	Principal Investigator	Agency	Amount Rs. (lakh)
1	Synthesis of novel N-fused polycyclic compounds through transition metal catalyzed cascade/C–H functionalization reactions	Dr Anil Kumar	DST	32.46
2	Industry sponsored project	Dr Anil Kumar and Dr. Dalip Kumar	Ranbaxy	30.00
3	Design and Synthesis of Heavy metal based aggregation induced emission active complexes and their application in Bio-imaging	Dr. Inamur Rahaman laskar	DST	34.9
4	Screening Decoration of Co-catalyst on the Ultrathin 2D Sheets of Metal Chalcogenides and their application in Photo electrochemical Water Splitting	Dr. Mrinmoyee Basu	DST-INSPIRE	35.00
5	Decoration of Plasmonic nanoparticles on Ultrathin 2D Nanostructure of Metal Chalcogenides and their application in photoelectrochemical water splitting and photocatalysis	Dr. Mrinmoyee Basu	DST-FT	19.82
6	Investigation of Unfolding and refolding of proteins by Gemini surfactants with varying spacer groups using fluorescence spectroscopy and small angle neutron scattering technique	Dr. Subit Kumar Saha	UGC-DAE	3.45
7	Effect of Chemical nature of spacer group, headgroups and counterions of gemini surfactants on solvation dynamics and rotational relaxation of coumatins in aqueous micelles	Dr. Subit Kumar Saha	CSIR	9.28
8	“Probing the Nature of Intermolecular X–H...Se (X = O and N) Hydrogen Bonding Interactions using Matrix Isolation Infrared Spectroscopy”	Dr. Shamik Chakraborty	DST	73.55
9	Asymmetric synthesis of [2.2.2] azabicyclo-isoquinoline derivatives: Towards the synthesis of related alkaloids	Dr. Indresh Kumar	DST	43.3
10	Modeling of Employee performance and human capital Assessment and optimization of productivity of Indian Manufacturing Industry	Dr. Udayan Chanda	ICSSR	5.00
11	Development and validation of Service Quality Index in Indian Telecom & Banking sector	Dr. Arun Kumar	ICSSR	4.00
12	Financial Inclusion	Dr. Arun Kumar Vaish	HCL	180.00
13	Developing and Validating Relationship Management Index for Indian Airline Industry	Dr. Jyoti -PI Dr. Arun Kumar- Co-PI	ICSSR	1.5
14	Role of histone ubiquitination & angiotensin converting enzyme-2 in the development renal fibrosis under type 1 diabetic condition	Dr. Gaikwad Anil Bhanudas	CSIR	19.36

S.No	Project Title	Principal Investigator	Agency	Amount Rs. (lakh)
15	Nano-formulation of Lysofylline-fatty acid conjugate for effective treatment of diabetes	Dr. Anupama Mittal	DST	26.9
16	Cyclic RGD modified lipopolymeric micelles for targeted delivery of tamoxifen in ER+Breast cancer	Dr. Anupama Mittal	DST Rajasthan	12.54
17	Combination delivery of small molecules and microRNA for treatment of locally advanced and metastatic breast cancer	Dr. Deepak Chitkara	DST	27.2
18	Exploring the Antiobesity potential of selected ayurvedic medicinal plants using pancreatic lipase inhibition assay and synergy guided fractionation	Dr. Paul Atish Tulshiram	DST	27.3
19	Development of Novel Processes for Increasing the Content of Sennoside-B from Senna	Dr. Sunil Kumar Dubey	Shashi Phytochemicals	18.00
20	Development of nutraceutical nanoemulsion based health drink of food bioactives	Dr. Anil Jindal	Ananta Medicare Limited	5.10
21	Exploring the synergism of PPAR-Y agonist and HDAC inhibitor for reversal of Alzheimers type of dementia and developing their brain targeted nano-carrier system for effective treatment	Dr. Rajeev Taliyan- PI Dr. Deepak Chitkara - Co-PI	DST- Nanomission	32.14
22	Evaluation of Antitumor efficacy and pharmacokinetics of polymeric nanoparticle formulation targeted to cancer stem cells	Dr. Aniruddha Roy	DST	32.20
23	Effect of partial replacement of cement with marble slurry on concrete	Dr. Anshuman	DST	28.38
24	Dynamic buckling analysis of composite structures	Dr. S N Patel	CSIR	9.33
25	Conjunctive use of Rainwater and Ground water to provide safe drinking water with intervention of advanced technology	Dr. Rajiv Gupta	DST	126.43
26	Costs and remediation of Groundwater contamination in India	Dr. Rajiv Gupta	University of Virginia	100.00
27	Padagogy Project	Dr. A. K. Sarkar	IIT Kanpur	49.00
28	Joint Indo-German Experience Lab	Dr. K. S. Sangwan	DAAD	341.00
29	Design of Health care supply chain for enhancing availability and reducing wastage of generic medicines for rural areas in Rajasthan	Dr. Srikanta Routroy	DST Rajasthan	5.88
30	Modeling Immune Response to Salmonella during Typhoid	Dr. Amol Marathe	DST	34.06
31	Flow through a membrane modeled of Porous cylindrical particles using particle-in-cell approach	Dr. Ashish Tiwari	DST (Indo-Russia)	12.86
32	Mathematical modeling and analysis of the dynamics of diabetes mellitus in indian population and control measures	Dr. Padma Murali	CSIR	8.78
33	Study of Observational Constraints on dark energy models of universe using COSMOMC in HPC systems	Dr. Suresh Kumar	DST-EMR	26.29
34	Soft Computing framework based Integrated Multi Sensor Array for Water Quality Assessment: Targeting fluoride as major parameter	Dr. K. K. Gupta - PI Dr. R. K. Gupta- Co-PI	DST	38.7
35	Study on Electronic Transport Behaviour of Carbon nanotube based field effect transistors (CNTFETs)	Dr. Naveneet Gupta-PI Dr. Niladri Sarkar -CO-PI	DRDO	20.49
36	Development of Tio2 nanotube based highly selective capacitive type sensor device for the detection of methanol poisoning in alcoholic beverage	Dr. Arnab Hazra	DST	27.76
37	Removal of Heavy metals from industrial wastewater using metallic nanoparticules as absorbents	Dr. Banasri Roy	DST	19.00
38	Mutant-p53 gain-of-function: its role in regulating long non-coding RNA (lncRNA) Expression and associated chemo-resistance in human cancer cells	Dr. Rajdeep Chowdhury	DBT	25.00
39	Investigating the Role of Aryl Hydrocarbon Receptors in medicating the Anti-Cancer Properties associated to camel milk	Dr Uma Dubey	DST-Rajasthan	7.43
40	Introducing Cyno Bacterial bicarbonate transporters in C3 plants in enhanced photosynthetic performance	Dr. Sandhya Mehrotra-PI Dr. Rajesh Mehrotra-Co-PI	DST	37.72

S.No	Project Title	Principal Investigator	Agency	Amount Rs. (lakh)
41	Removal of toxic metal ions from industrial discharges using microalgae	Dr. Prakash	DST	38.9
42	Development of Surface Plasmon Resonance Instrument with a novel optical design	Dr. R.K.Gupta Dr. Manjula Devi	DST	56.15
43	EXAFS Investigations on ion conducting polymer nanocomposites for conductivity structure correlation	Dr. Anshuman Dalvi	UGC-DAE	2.3
44	Investigations on Li ⁺ ion conducting glass-ceramic containing NASICON structured nano crystallites	Dr. Anshuman Dalvi	DST	37.65
45	Studies on Quarkonium suppression in Asymmetric Nuclear Collision at LHC	Dr. Madhukar Mishra	DST	15.85
46	"Investigating Dynamical and Topological Properties of Fioquet Systems: A Comparative study of perturbative Schemes	Dr. Jayendra Bandyopadhyay-PI Dr. Tapomoy Guha Sarkar -CO-PI	DST	16.22
47	"Generation and Characterization of Attosecond Pulses with Specific Polarization and its Applications"	Dr. Amol Holkundkar - PI Dr. Jayendra Bandyopadhyay -CO-PI	DST	16.54
48	"Theoretical Study of Electron impact double ionization of atoms and molecules"	Dr. Rakesh Choubisa	DST	20.44
49	An Economic Appraisal of Renewables Versus Non-Renewables: A Case of Rajasthan	Dr. Krishna M	ICSSR	2.00
50	Participatory Exclusion of women and the poor in community Forestry: A Comparative Study of Implementation of the ROFR Act across 3 states of India	Dr. Sailaja Nandigama - PI Dr. Sanjeev Kr. Choudhary - Co-PI Dr. Kumar Sankar Bhattacharya-Co-PI	ICSSR	7.00
51	Preparation of State of Art Report (SOAR) on fog vision system of India	Dr. Rajiv Gupta	Ministry of Road Transport & Highway	4
52	FIST Mechanical Engg Department	Department	DST	81.5
53	FIST Mathematics Department	Department	DST	50
54	FIST EEE Department	Department	DST	72.5
55	FIST Biological Sciences Department	Department	DST	27.5
56	FIST Chemistry Department	Department	DST	82.5
57	Development of p-Tio ₂ nanoparticle decorated n-TiO ₂ nanotube array based p-n homojunction sensor device for the efficient detection of methanol contamination in alcoholic beverages.	Dr. Arnab Hazre	BITS-ACRG	9
58	design and synthesis of a noval biomass stove for cooking applications	Dr. Pratik N Sheth	BITS-ACRG	9
59	development of low carbon ternary cement for durable and sustainable concrete	Dr. Baharudeen A	BITS-ACRG	9.25
60	multimodal biometric based person identification system	Dr. Pawan Ajmera	BITS-ACRG	9
61	Wireless network virtualization: IEEE 802.11 test-bed implementation and wireless NIC virtualization	Dr. Vishal Gupta	BITS-ACRG	8.5
62	Design and synthesis of multi-functional smart low molecular weight gelator	Dr. Rajeev Sakhuja	BITS-ACRG	4.5
63	sustainable catalytic route to C4-C6 carboxylic acids/hydroxyacids by carbonylation of polyols	Dr. Bibhas Ranjan Sarkar	BITS-ACRG	5.5
64	An investigation of energy consumption of machine tools	Dr. Girish Kant	BITS-ACRG	9.65
65	Design of Non asynchronous SRAM cell for hybrid cache architecture using CMOS-FDSOR/FinFET technology	Dr. Nitin Chaturvedi	BITS-ACRG	5.25
66	Investigation of ductile characteristics of high strength concrete beams reinforced with high strength steel and basalt fibre under elevated temperature conditions	Dr. G. Muthukumar	BITS-ACRG	9.75
67	Particle Image Velocimetry studies on a bench scale cold flow fluidized catalytic cracking (FCC) riser unit	Dr. Priya C. Sande	BITS-ACRG	10
68	Dual Catalytic monolith reactor for biogas reforming	Dr. Srinivas Appari	BITS-ACRG	8.25
69	Interseismic coupling and asperity distribution in Norhtwest Himalaya	Dr. Sumanta Pasari	BITS-ACRG	8.95

Projects completed

S.No.	Project Title	Principal Investigator	Agency	Amount Rs. (lakh)
1	Study of native chemical ligation at tryptophan and aspergine sites and its application in peptide synthesis	Dr. Kiran Bajaj	DST	31.3
2	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
3	Multi-agent based indoor exploration with miniature robots	Dr. Sudeep Mohan	CAIR (DRDO)	20.00
4	Esculetin a Therapeutic Intervention Targeted at Cardio-Renal Syndrome in Type-2 Diabetes	Dr. Gaikwad Anil Bhanudas	DST	39.66
5	Development of Botanical based Novel formulation with Mosquito Larvicidal action for indian population	Dr. Paul Atish Tulshiram -PI Dr. Sanjeev Kumar - Co-PI	DST	12.19
6	Study of Structural Response and Strengths of Thin-Walled FRP Composite Girders	Dr. S.B. Singh	CSIR	14.32
7	Development of Copper Bio-Leaching Methodology/Technique from Low Grade Ore at Hindustan Copper Limited,	Dr. Anupam Singhal -PI Dr. S K Verma-CO-PI	Ministry of mines	30.38
8	Experimental Investigation on CO2 based refrigeration system in Trans-critical cycle	Dr. M.S.Dasgupta	DST	27.5
9	Studies in Laboratory Scale oxygen fired fluidized bed based on co-firing rice husk with coal	Dr. Ravi Inder Singh	DST	31.13
10	Modeling of cardio vascular flows and influence of magnetic field on circulation	Dr. Ashish Tiwari	DST	11.63
11	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 Kumar	MNRE	29.39
12	RNAi screening to study the role of Aedes ATP-binding cassette (ABC) transporters against blood-borne pathogens	Dr. Sanjeev Kumar	DBT	45.78
13	Studying the impact of anopheles Gut Microbial environment on immunithy and plasmodium development	Dr. Lalita Gupta	ICMR	9.8
14	Characterization of major components of [Fe-S] cluster assembly pathway in plasmodium vivax	Dr. Shilpi Garg	DST	25.56
15	Preparation and characterization of thin films of electrochromic conducting polymer and fabrication of prototype smart pixel displays	Dr. S. Sindhu	CSIR	14.1
16	Time-resolved Spectroscopy of Fluorescent Molecules in Micellar Systems	Dr. D.D. Pant	DST	53
17	Modeling of cardio vascular flows and influence of magnetic field on circulation	Dr Ashish Tiwari	DST	11.63
18	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
19	Time-resolved Spectroscopy of Fluorescent Molecules in Micellar Systems	Dr Navin Singh	DST	18.65
20	FIST CSIS Department	DST-FIST	DST	26.5
21	FIST Pharmacy Department	DST-FIST	DST	67.5
22	FIST Civil Engg Department	DST-FIST	DST	40
23	FIST Chemical Engg Department	DST-FIST	DST	40.25
24	Graphitic Carbon nitride (g-C3N4) based semiconductor heterostructures for photocatalysis and electrocatalysis	Dr Surojit Pande	BITS-ACRG	6.95
25	Organocatalytic approach towards bioactive important six membered nitrogen heterocycles	Dr Indresh Kumar	BITS-ACRG	8.2
26	Development of Nano-Carriers for Improved Drug Delivery	Dr Deepak Chitkara	BITS-ACRG	9.9
27	Development of automated non-destructive test system for condition evaluation of pavements	Dr Amit Goyal	BITS-ACRG	9.45
28	Investigations into issues in deploying software defined networks on traditional network Infrastructure	Dr. K. Haribabu	BITS-ACRG	8.2

S.No.	Project Title	Principal Investigator	Agency	Amount Rs. (lakh)
29	Design and Development of an effective power conditioning unit for photovoltaic Applications	Dr. Pradyumn Chaturvedi	BITS-ACRG	9.7
30	Zinc Recovery from Industrial Waste using Bioleaching	Dr. Suresh Gupta-PI Dr. S K Verma-CO-PI Dr. Anupam Singhal-CO-PI Dr. S. Ramachandran-CO-PI	BITS WWE-CORE	34.75
31	Roof top Rainwater harvesting for safe, potable and healthy drinking water and ground water replenishment for BITS Pilani, Pilani campus	Dr. Rajiv Gupta-PI Dr. Sunil Bhand-CO-PI Dr. R. K Gupta-Co-PI Dr. Hemant Jadhav -CO-PI Dr. Anshuman Dalvi -Co-PI Dr. Yashvardhan Sharma-CO-PI Dr. Arvind Sudarsan-Co-PI Dr. K K Gupta-Co-PI Dr. Utpal Roy-Co-PI Dr. Neeru Sood-CO-PI	BITS WWE-CORE	73.05

Grants under DST- FIST: Ongoing

S. No.	Department	Period (Years)	Amount Rs. (lakh)
1.	Chemical Engineering	5	38.85
2.	Civil Engineering	5	32.00
3.	Pharmacy	5	62.50
4.	Computer Science	5	24.00
5.	Mathematics	5	37.50
6.	EEE & I	5	67.37
7.	Mechanical Engineering	5	68.00
8.	Biological Science	5	25.25
9.	Chemistry Level II	5	76.00
	(50% DST share only)	Total	431.47

Grants under DST- FIST: Completed

S. No.	Department	Period (Years)	Amount Rs. (lakh)
1	Physics	5	24.02
2	Chemistry Level I	5	35.50
	(50% DST share only)	Total	59.52

Industry and Consultancy Projects at Pilani Campus

S.No	Project Title	PI	Sponsoring Industry	Amount Rs. (lakh)
1	Nanotechnology based pharmaceutical, nutraceuticals and cosmetics-development of platform technology	Dr. Deepak Chitkara	Incisive Elements USA	21.38
2	Liuprolide Study	Dr. Sunil K Dubey	Axis Clinpharma	2.07
3	In Vivo-In Vitro study design: cardio-reno protective effect of herbal extract (Red spinach extract) in hypertensive rats: Role of NO/cGMP Pathway	Dr. Rajeev Taliyan and Dr. Sunil Kumar Dubey	Etica Clinpharma	8.00
4	quality by design (qbd) based suspension product development and process optimization	Dr. Sunil Kumar Dubey and Dr. Gautam Singhvi	SLYBACK Pharma	6.5
5	Industry Project	Dr Anil Kumar and Dr. Dalip kumar	Ranbaxy	30.00
6	Development of nutraceutical nanoemulsion based health drink of food bioactives	Dr Anil Jindal	Ananta Medicare Limited	5.10
7	Financial Inclusions	Dr. Arun Kumar Vaish	HCL	180.00
8	Development of Novel Processes for Increasing the Content of Sennoside-B from Senna	Dr. Sunil Kumar Dubey & Dr. R.N. Saha	Shashi Phytochemical Industries	18.00
9	Costs and remediation of Groundwater contamination in India	Dr. Rajeev Gupta	University of Virginia	100.00
10	Preliminary Investigation, characterization and stability analysis of micelles formulation	Dr. Sunil Kumar Dubey and Dr. Gautam Singhvi	Enaltec Labs Pvt Ltd	1.29

BITS PILANI K.K. BIRLA GOA CAMPUS
Projects sanctioned during 2017-18

S.NO	Project Title	Principal Investigator/Co-PI	Department	Funding Agency	Amount Rs. (lakh)
1.	Demonstration of river Sal cleaning by vertical wetland and river bank filtration	Dr. M. Srikanth -PI Dr. FraddyD'souza -Co-PI The Energy and Resources Institute, Panaji Dr. Kavita Vithal Patil-Co-PI The Energy and Resources Institute, Panaji	Biological Sciences	DBT (river cleaning)	50.15
2.	Small sale and sustainable household grey water recycling	Dr. M. Srikanth -PI Dr. Hoysall N Chanakya -Co-PI Centre for Contemporary Studies (CCS) and Centre for Infrastructure, Sustainable Transport and Urban Planning (CISTUP) Prof. Ghangrekar -Co-PI IIT, Kharagpur Arun Kumar - Co-PI, NITK, Surathkal Project partner with Indian Inst. of Science	Biological Sciences	DST/MHRD under IMPRINT scheme	31.92
3.	Novel sustained release biodegradable polymer coated urea and zinc nanofertilizers for synchronizing fertilizer uptake, improving productivity and prevention of bacterial wilt disease in chilli (<i>Capsicum annum L</i>)	Dr. Gauri Anil Achari -PI Mentor:Dr. Meenal Kowshik	Biological Sciences	SERB	19.20
4.	Sanitation, water and solid waste for development	Dr M. Srikanth	Biological Sciences	EAWAG, Switzerland	7.26
5.	Demonstration of waste to energy project by anaerobic co digestion of food waste and septage	Dr M. Srikanth -PI Mr Sandip K Prabhu Chodnekar GSIDC GOA STATE INFRASTRUCTURE DEVELOPMENT CORPORATION LIMITED,	Biological Sciences	DBT	161.00
6.	Development of suitable material for visible light induced photocatalytic hydrogen production from industrial wastewater	Dr. SarojSundarBaral -PI Dr. Saibal Ganguly -Co-PI Dr. Priyabrat Mohapatra-Co-PI	Chemical Engineering	SERB	35.83
7.	Development of anodic material for DSSC (transferred project)	Dr. Sharad Sontakke	Chemical Engineering	DST Inspire	7.00
8.	Catalytic HI decomposition studies in membrane reactor for hydrogen production (transferred project)	Dr. Sharad Sontakke	Chemical Engineering	BRNS	19.33
9.	Design and synthesis of smart supramolecular dyes based on TPE modified PDI- cucurbituril conjugates: their binding and photophysical studies and application in the detection of biogenic polyamines	Dr. Mainak Banerjee -PI Dr. Amrita Chatterjee -Co-PI	Chemistry	BRNS	27.92
10.	Knowledge- Rich Deep Models for Optimisation	Prof. Ashwin Srinivasan	CS &IS	SERB	22.50
11.	A Comprehensive IoT based Geriatric Health Care system for routine health Monitoring and Postoperative Care	Dr. K. R. Anupama -PI Dr. K. R. Biju -Co-PI Mr. Sreejith V. -Co-PI Ms. Meetha V. Shenoy -Co-PI	EEE	DST-ICPS	50.00

S.NO	Project Title	Principal Investigator/Co-PI	Department	Funding Agency	Amount Rs. (lakh)
12.	India & Neighbourhood Sea Ports comparative Vessel, Traffic & Pattern Analysis using Real Time Ship Tracking Traffic Intelligence Tool for commodity Movement & GDP Correlation Mapping	Dr. R. P. Pradhan -PI CO-PI Dr. Venkatanaresbhabu Kuppili Dept of Computer science & Engineering NIT Goa Mr. Dilip Mehrotra Secretary Indian Ocean MOU on Port-State Control Secretariat (IOMOU)	Humanities & Social Sciences	DST (ICPS)	40.00
13.	A Study on the Bernstein- type inequalities for the polar Derivative of a Complex Polynomial	Dr. Prasanna Kumar	Mathematics	CSIR	16.46
14.	Study on dark energy, dark matter and cosmic acceleration of the Universe in modified gravity	Dr. Gauranga Charan Samanta -PI Dr. Prasanta Kumar Das -Co-PI	Mathematics	CSIR	16.96
15.	A study of homotopy invariants of a model category	Dr. Shilpa Gondhali	Mathematics	SERB (MATRICS)	6.00
16.	Higher Overall stiffness of triangular shaped ductile/ brittle Lattice Composite Structure compared to square and hexagonal shaped structure	Dr. Gaurav Singh	Mechanical Engineering	SERB	44.63
17.	Ecofriendly flexible CZTS solar cells	Dr. Teny Theresa John -PI Prof. M. K. Jayaraj, CUSAT, Kochi -Co-PI	Physics	SERB	29.25
18.	Novel Micro Biosensor Device for Heavy Metal Analysis in Vegetables	Dr. Sunil Bhand	Chemistry	RRCAT Indore & UGC DAE Consortium Indore	0.45

Grants under DST- FIST Sanctioned in 2017-18

S.NO	Department	Period (years)	DST share Rs.(lakh)
1	Biological Sciences	5	80.00
2	Physics	5	145.00
		Total DST share	225.00

Industry Projects Sanctioned during 2017-18

S.No	Title of the project	Principal Investigator/Co-PI	Funding agency	Amount Rs. (lakh)
1	Process Improvements in Urrakh and Feni Production in Goa" (Pilot Scale Process and thermal Efficiency improvement measures)	Dr. S. D. Manjare -PI Prof. Pramod V. Pathak (Co-PI), Chairman, Environmental Impact Assessment Agency, Goa	DSTE, Goa	10.00
2	Study of lubricant and application method for enhanced surface finish and reduced draw load on cold drawn steel tubes	Dr Varinder Singh -PI Prof Amit Kumar Gupta -Co-PI Prof Srinivas P Regalla -Co-PI Dr. Tufan Chandra Bera	Tube Investments of India Ltd, Chennai	27.43
3.	Hybrid Electrochemical-MFC waste processing: Functional blocks for low energy disinfection and denitrification of human waste streams	Dr M Srikanth	Gates Foundation through RTI International	14.00

Ongoing Projects

S.No.	Title of the project	Principal Investigator/Co-PI	Funding agency	Amount Rs. (lakh)
1	Exploration of Antifungal lead molecules from the wild type <i>Bacillus subtilis</i> RLID 12.1 purification and molecular characterization along with optimizing production	Dr. Utpal Roy -PI Prof. Arunaloke Chakrabarti-Co-PI	DBT	38.04
2	Study on the role of Tonoplast Intrinsic Protein Family members in arsenite accumulation and their transport in rice	Dr. Kundan Kumar-PI Dr. Sudhakar Srivastava, Banaras Hindu University	BRNS	29.39
3	Developing Bioactive Compound - Enriched Functional Food Ingredients from <i>Dilleniaindica</i> and valorization of its pomace	Dr. Manashi Das Purkayastha (PI) Dr. M. Srikanth-Co-PI (PI from collaborating institute) Dr. Anasuya Ganguly (Co investigator from collaborating institute) Investigators from Parent institute Dr. Abhijit Borah (CoI) (Assam Agricultural University)	DBT, Twinning Projects for the NE-2015	16.86
4	Onsite electrochemical wastewater treatment and recycling technology	Dr. M. Srikanth	Bill & Melinda Gates Foundation (through Caltech)	30.00
5	Studies on anticoagulant platelet aggregation inhibitors from Indian cobra and viper venoms	Dr. Dibakar Chakrabarty -PI Dr. Angshuman Sarkar -Co-PI Dr. Veeky Baths -Co-PI	DBT	36.54
6	Analytics Sensor Test-Kit for advanced process control	Crane field University Collaborators Dr. Srikanth Mutnuri (PI) Dr. Nitin Sharma (CoPI)	Bill and Melinda Gates Foundation	104.00
7	Home automation and smart wheel chair based on electroencephalography (EEG) signals produced in the brain	Dr. Veeky Baths -PI Dr. Bharat Deshpande-Co-PI	CSRI (DST)	38.95
8	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-PI Dr. Indrani Talukdar-Co-PI	DBT	23.55
9	Lanthanide doped hydroxyapatite based nano-materials for theranostics applications: Sensing, Imaging, and Therapeutics	Dr. Meenal Kowshik-PI Dr. Sutapa Roy Ramanan-Co-PI Dr. GeetaVarier-Co-PI	DST	39.64
10	Screening, isolation and identification of novel antimicrobial compounds from potential mangroves of Goa	Dr. Kundan Kumar -PI Dr. Utpal Roy -Co-PI	CSIR	27.57
11	Studies on the gene regulation involved in the lytic-lysogenic switch in <i>staphylococcus aureus</i> temperate bacteriophage phi1	Dr. Malabika Biswas	SERB	20.46
12	Network on decentralized Grey/waste water treatment & recycling	Dr. M. Srikanth	Indo-French water network programme of CEFIPRA	3.44
13	Unmixed reforming (UMR) of Methane for Hydrogen Production	Dr. Srinivas Krishnaswamy-PI Prof. Aniruddha B. Pandit, Institute of Chemical Technology, Mumbai	SERB	56.11
14	Visco-elastic, visco-plastic and thixotropic behavior of biogreases and its influence on lubrication (tribiological) performance	Dr. Asima Shaukat	DST SERB	54.67
15	Rheological Dynamic of polymer layered silicate/graphene nano-composites	Dr. Asima Shaukat	DST- Inspire	35.00
16	Synthesis of hydroxyapatite based biocompatible functional magnetic nanoparticles and Investigation of its interaction with biomolecules	Dr. Sutapa Roy Ramanan-PI Dr. Meenal Kowshik -Co-PI	UGC-DAE Consortium for scientific research, BARC	2.7

S.No.	Title of the project	Principal Investigator/Co-PI	Funding agency	Amount Rs. (lakh)
17	Chlorine Resistant Nano Enhanced Polymer Blend Membranes	Dr. Jegatha Nambi Krishnan	SERB- Start-up Research Grant	31.74
18	Nonadiabatic molecular processes on threefold electronic degeneracies	Dr. Tanmoy Mondal	DST- Inspire	35.00
19	Computational Study of the Catalytic Mechanism Some Diaryldiselenide-based Glutathione peroxidase Mimetics	Dr. Raghu Nath Behera	SERB	16.42
20	Design and synthesis of grapheme oxide based AIE-sensor for selective detection of Hg(II) and Organic mercury in aqueous medium	Dr. Amrita Chatterjee-PI Dr. N. N. Ghosh-Co-PI	UGC- DAE Consortium for Scientific Research Proposal	7.03
21	Novel micro biosensor device for heavy metal analysis in vegetables	Dr. Sunil Bhand Mr. GautamBacher Principal Collaborator: Mr. Vishal Dhamgaye (RRCAT, Indore) Dr. G. S. Lodha (RRCAT, Indore)	RRCAT indore and UGC DAE consortium Indore	1.00
22	Steric and conformational influences on the performance of nonplanar and highly functionalized phenyl- and heteroaryl- porphyrins in the sensing of anions and heavy metal ions	Dr. P. Bhavana	SERB	28.23
23	A Comprehensive study on mechanochemical sp ² C-H bond activation in five-membered heteroaromatics in a Ball- Mill: Can 1st row transition elements be a potential replacement of late transitional elements a question to investigate	Dr. Mainak Banerjee	SERB	30.57
24	Nano-based detection of organophosphate pesticides using metal organic framework conjugates	CCPIs Prof.. Sunil Bhand PI: Lalit M Bharadwaj, Amity University Dr. Irani Mukherjee, IARI, New Delhi (Consortia Project)	NASF, ICAR	43.00 (BITS share out of 177.00)
25	Development of a field portable devise for the analysis of environmental contaminants in water	Dr. Sunil Bhand Dr. A. P. Koley Mr. GautamBacher PCs: Dr. V K Suri Dr. R. Balasubramaniam Shivam Mishra, AshwinRathod (ALL from Precision Engineering division, BARC, Mumbai)	BRNS	24.14
26	Experimental and Computational study of Boron Doped TiO ₂ and ZnONanocrystals	Dr. Jayadevan K. P. -PI Dr. R. N. Behera -Co-PI	SERB	23.32
27	Development of PCDA-liposome based detection kit for Alzheimer's disease biomarker	Dr. Amrita Chatterjee -PI Dr. MalabikaBiswas -Co-PI Dr. Ramesha C. K. -Co-PI	SERB	26.63
28	Addressing challenges in application development for heterogenous computing platform for speedup and power efficiency	Dr. SantonuSarkar	DST	37.55
29	Secure vehicular communication and routing in future intelligent transportation systems (ITS)	Dr. Debasis Das	SERB	19.81
30	Development of Remotely configurable Arbitrary Ramp Generator for Frequency modulated continuous Wave Reflectometry	Dr. Neena Goveas -PI Dr. A. Amalin Prince -Co-PI	DAE-BRNS	28.02
31	FPGA Based Fuzzy Logic Picomotor Controller for Laser Beam Pointing Stability Correction	Dr. A. Amalin Prince	DAE-BRNS	24.46
32	Development of SDR based GNSS receiver	Dr. Nitin Sharma	ISRO	33.00
33	Namaste	Prof. Raghurama G.	Namaste	2.22

S.No.	Title of the project	Principal Investigator/Co-PI	Funding agency	Amount Rs. (lakh)
34	Agenda 2020: India's Maritime Infrastructure, Governance & Naval Diplomacy	Dr. R. P. Pradhan -PI Prof. Geetha Reddy Anant. - Co-PI Osmania University, Hyderabad, Prof. W. Lawrence S. Prabhakar-Co-PI Madras Christian College, Chennai Mr. Dilip Mehrotra, Secretary -Co- PI, IOMOU, Goa	ICSSR	15.00
35	Predictive Mathematical Modeling and Analysis for Effective Diagnosis and Control of Diabetes mellitus with associated Co-infections Diseases among Indian	Dr. P. Dhanumjaya -PI Prof. V. Sree Hari Rao -Co-PI International Centre for Interdisciplinary Research & Innovation, Hyderabad	SERB	15.68
36	A Study on the inequalities involving complex polynomials	Dr. Prasanna Kumar N.	National Board for Higher Mathematics, DAE	13.04
37	Theoretical and numerical study of elliptic and parabolic partial differential equations with interfaces	Dr. P. Dhanumjaya	National Board for Higher Mathematics, DAE	13.48
38	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	27.66
39	Simulation of simultaneous rock fractures at multiple scales	Dr. Gaurav Singh -PI Prof. Quan sheng Liu, Wuhan University China -Co-PI	Ministry of Mines	30.00
40	Crack growth direction in amorphous silica under extreme temperatures using molecular mechanics (application to Reusable launch Vehicle (RLV))	Dr. Gaurav Singh -PI Dr. Subhas Ghosal, Hyderabad Campus -Co-PI	ISRO Head Quarters, Department of Space, Bangalore	16.08
41	An Acoustic Study characterization and standardization of the Saraswati Veena	Dr. Pravin M Singru -PI Dr. Radhika Vathsan -Co-PI	SERB	36.95
42	Observational signals of quantum gravity in CMB	Dr. Kinjal Banerjee	Start up research grant, SERB	3.18
43	Studies on biomolecular transport through nuclear pore complexes using a dual fluorescence channel confocal microscope	Dr. P. Nandakumar	SERB	44.04
44	Signature of Space-time noncommutativity in high energy colliders	Dr. Prasanta Kumar Das	SERB	18.85
45	Room temperature Hydrogen Storage and sensing using Reduced Graphene Oxide-MoS ₂ Nanocomposites	Dr. E. S. Kannan	SERB	30.61
46	Spin seebeck Effect in novel hetero structures	Dr. Ram Shanker Patel -PI Dr. Kartik Senapati -Co-PI Dr. Pratap Kumar Sahoo NISER Bhubaneswar -Co-PI	SERB	50.83

Ongoing Industry projects

S.No	Title of the project	Name of PI/Co-PI	Funding Agency	Amount Rs. (lakh)
1	Experimental and simulation studies on coke mitigation in petroleum refinery systems	Prof. Srinivas Krishnaswami-PI Dr. K. Ponnani -Co-PI	CHT	132.97
2	Development of sensing systems for residual pesticide and harmful chemical detection in fruits and vegetables	Prof. Sunil Bhand CCPI PI: Dr Nabarun Bhattacharyya CDAC Kolkata Partner: Jadavpur University Kolkata	R D Tata trust , Mumbai	53.20 (BITS share) (Total project cost is Rs. 212 lakhs)
3	A cost-effective approach of making software dependable	Prof. Santanu Sarkar	Accenture Award	15.00
4	Design and development of condition based monitoring of pipelines using wireless sensor network	Prof. K..R. Anupama -PI Dr. Lucy Gudino-Co-PI Dr. Neena Goveas -Co-PI	GAIL	95.88

Ongoing Consultancy Projects

S.NO	Project Title	Principal Investigator/Co-PI	Funding Agency	Amount Rs. (lakh)
1	Research & Analysis of Bacterial Content in Washing Machine	Dr.M. Srikanth	IFB Private Limited	1.89
1.	Detection and quantification of enzymes in detergents and Patch Test Assays with Allergic reactions	Dr. M. Srikanth	IFB Private Limited	2.53
2.	Synthesis and validation of methods for vortioxetine HBr.	Prof. Mainak Banerjee	UNICHEM India Ltd	5.47
3.	Simulation of industrial pallets using ROTOSIM	Dr. Sachin Waigaonkar	Sintex Industries Ltd	0.23
4.	Performance assessment studies on the production process of CPTAP	Dr. S D Manjare	Deccan Fine Chemicals (India) Private Ltd	2.56
5.	Performance assessment studies on the production process of MTB (a herbicide)	Dr. S D Manjare	Deccan Fine Chemicals (India) Private Ltd	2.44
6.	Waste to Energy	Dr. M. Srikanth	GIZ, Germany	11.99
7.	Rationality, Uncertainty and cognition in financial markets: An Experimental Approach	Dr. Anoop S. Kumar	IUCAE, University of Kerala	0.75

Grants under DST- FIST Ongoing

S.NO	Department	Period (years)	Amount Rs. (lakh)
1	Mechanical Eng.	5	40.00
2	EEE& I	5	36.00
3	Mathematics	5	37.5
4	Chemical Eng.	5	31.00
5	Chemistry	5	38.50

Development Grant ongoing (Bioincubator)

S.No	Title of the project	Name of PI/Co-PI	Funding Agency	Amount Rs. (lakh)
1.	Bioincubator in Health and environmental engineering	Development Grant	BIRAC-Bio-NEST	296.64 lakhs

Completed projects

S.No	Title of the project	Name of PI/Co-PI	Funding Agency	Amount Rs. (lakh)
1	Study on EMT regulation through TGFβ/SMADs in gall bladder disease	Dr. Vijayashree Nayak -PI Dr. Utpal Roy-Co-PI Dr. Rajani Gaiind, VMMC & Safdarjung Hospital, Delhi -Co-PI	SERB	37.90
2	Microbial Diversity and Biotechnological Potentials of selected polar microorganisms	Mrs. Purnima Singh -PI Mentor: Dr. Utpal Roy	DST- WOS	20.79
3	Regulation of hypothalamic gonadotropin releasing hormone expression by putrescine in female rats	Dr. Arnab Banerjee	SERB	22.24
4	Investigations on microstructures of hard-soft ferrite nanocomposites and influence of microstructures on their properties	Dr. N.N. Ghosh -PI Dr. P. Parameswaran -Co-PI	UGC-DAE	2.63
5	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

S.No	Title of the project	Name of PI/Co-PI	Funding Agency	Amount Rs. (lakh)
6	Development of β,β' -edge fused π -elongated donor-acceptor porphyrin possessing Near-IR optical spectra	Dr. Subhadeep Banerjee	DST-FT	22.60
7	Structure and energetic of C7H2 and C9H2 Isomers:Quantam Chemical studies	Dr. Venkateswan S.Thimmakonda	SERB	23.23
8	Chalcogen containing azomethinamacrocycles and bicycles: synthesis, characterization, metal complexes and theoretical investigations of nature of intramolecular interactions between divalent chalcogen and nitrogen atoms	Dr. Arunashree Panda -PI Mentor: Dr. R. N. Behera	DST WOS	17.10
9	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
10	Flow investigation through uED-milled metallic micro channels	Dr. G. Karthikeyan	DST-FT	21.21
11	Improving the energy efficiency of solar cells by spin caloritronics	Dr. Ethirajulu S. Kannan	DST-FT	22.08
12	The role of rheology in defining the tribological (lubrication) behavior of biogreases	Dr. Asima Shaukat	BITS-ACG	8.00
13	Role of alternate splicing modulators in differentiation of embryonic stem cells into specific lineages	Dr. Indrani Talukdar	BITS-ACG	8.00
14	Design and Analysis of MEMS Switches for the Arc-less Operation and Control of Electric Energy Processing Systems	Dr. A. Amalin Prince	BITS-ACG	7.50
15	Applications of High Performance Computing to Software Engineering and Data Analytics	Prof. Santonu Sarkar Prof. Ashwin Srinivasan	BITS-ACG	14.00
16.	Effect of Novel Design Cyclone Separator on Heat Transfer Characteristics of Pressurised Circulating Fluidized Bed Heat Exchanger	Dr. Ranjit S. Patil	BITS-ACG	2.50

HYDERABAD CAMPUS

Projects sanctioned during 2017-18

S.No	Project Name	Principal Investigator	Department	Funding Agency	Amount Rs. (lakh)
1	Investigations of knowledge on Dengue fever followed by education and post impact behavioural changes among the rural communities of shameerpet mandal of Rangareddy district of Telangana state	Prof. Sajeli Begum	Pharmacy	ICMR-ICSSR	10.89
2	Novel Casting approach to improve quality of aluminum alloy casting : Hybrid ultrasonic assisted bottom pour stir casting process	Prof. N. Suresh Kumar Reddy	Mechanical Engineering	DRDL	9.84
3	Career Persistence of Indian Women Professionals in Information Technology sector: Brakes , Accelerators, Challenges and Opportunities	Dr. Swati Alok	Economics and Fianance	ICSSR	2
4	Understanding the Role of Antimicrobial S100A12 (Calgranulin C) Mediated Host Defense in Pseudomonas Keratitis and Developing Nano-tools for Efficient Delivery of S100A12	Dr. Sanhita Roy/Dr. Swati Biswas	Pharmacy	DST(LVPEI)	55
5	Improving the seismic performance of dynamically similar buildings using damper connected control technique	Dr. S C Mohan	Civil Engineering	DST	43.14

S.No	Project Name	Principal Investigator	Department	Funding Agency	Amount Rs. (lakh)
6	Multiobjective evolutionary approach for solving water distribution network design optimization	Prof. A Vasan	Civil Engineering	CSIR	22.35
7	Formability Study of Inconel 625 alloy at Elevated Temperatures for Aerospace Applications	Dr. Nitin R. Kotkunde	Mechanical Engineering	DST	31.43
8	Comparison of phase velocities of Rayleigh waves, love waves and Torsional waves in various anisotropic geo-media	Dr. Sumith Kumar Vishwakarma	Mathematics	DST	13.66
9	Cryogenically-Conditioned Micro and Nanoencapsulated Phase Change Material Slurries for Cool Thermal Energy Storage Applications	Dr. R. Parameshwaran	Mechanical Engineering	DST	27.76
10	Efficacy of Appropriately Tailored Biopolymer and Carbonaceous Adsorbents for the separation and Recovery of Europium	Prof. N. Rajesh	Chemistry	DST	29.59
11	Application of topology optimization to enhance energy efficiency and performance of industrial manipulator	Dr. Arshad Javed	Mechanical Engineering	DST	29.43
12	Design, Synthesis and Biological Evaluation of HDAC3 Selective Inhibitors as Long Term Memory Enhancers	Dr. Balaram Ghosh	Pharmacy	DST	29.87
13	Metal-Oxide and nano composite based low-power non-volatile switching device : a novel approach	Dr. Souvik Kundu	EEE	DAE-BRNS	34.9
14	Development of metamaterial base support	Dr. Sabareesh G R	Mechanical Engineering	DMDE DRDO	13.8
15	Investigations on naphthalene and anthracene based phosphosates/phosphates: important sources for alkene based new alegers and polyaryllalkanes	Prof. Manab Chakravarty	Chemistry	CSIR	17
16	Photocatalytic reduction of CO2 to biofuels	Dr. Sounak Roy	Chemistry	CSIR	4
17	Preparations and Characterization of a topical gel formulation of topical gel formulation of IS107	Dr. V Vamsi Krishna Venuganti	Pharmacy	ISSAR	5.63
18	Transcutaneous delivery of liraglutide using zein microneedle array	Dr. V Vamsi Krishna Venuganti	Pharmacy	NACTO	22.42
19	Development and characterization of a topical gel formulation of a candidate drug	Dr. V. Vamsi Krishna Venuganti	Pharmacy	Sarudbhava Formulations Pvt. Ltd.	6
20	Development of pH-responsive smart capsule containing targeted multilayer film for drug delivery: The proof-of-concept study in colorectal cancer model	Dr. V. Vamsi Krishna Venuganti	Pharmacy	DST	55.54
21	Implementation of Digital Beam forming for Radar	Dr. S K Sahoo	EEE	HBL	3.32
22	Strategies against antibiotic resistance in Mycobacterium tuberculosis and ESKAPE pathogens; new drugs and new targets	Prof. D Sriram	Pharmacy	DBT Indo Sweden	67
23	Development and characterization of a topical formulations	Dr. V. Vamsi Krishna Venuganti	Pharmacy	ISSAR-2	9.79
24	Use of Polymer fibers and steel fibers for improvements in concrete properties	Prof. P.N. Rao	Civil Engineering	MoRTH	6.57
25	State of the art on effect of temperature stresses in concentrate pavements	Prof. Vinayak Ram	Civil Engineering	MoRTH	6.44
26	Preparation of State of the Art Report (SOAR) on Utilization of Higher percentage of Reclaimed Asphalt Pavement (RAP) in Hot Asphalt Mixes (HAM) with Warm Mix Additives - Laboratory and field evaluation	Prof. Sridhar Raju	Civil Engineering	MoRTH	6.25
27	Coastal wetlands characterization using L and S bands of polarimetric SAR data	Dr. Rajitha	Civil Engineering	ISRO	13.58
28	Modelling and Simulation of quartz Accelerometer for navigation system	Dr. Satish Kumar Dubey	Mechanical Engineering	DRDO-cars	5.24
29	Comparison of Phenolic Resin from two sources for their properties	Dr. Karthik Chetan V	Chemical Engineering	DRDO-cars	9.79
30	Sequence based designs and characterization of peptide-amyloidnano materials exploring functionality	Dr. Ramakrishna Vadrevy	Biological Sciences	DAE-BRNS	29.68
31	Combined genetic and epigenetic analysis of oral cancer for prognosis of patients	Prof. K Naga Mohan	Biological Sciences	DBT	138.88

Ongoing Projects 2017-18

S.No.	Title of the Project	PI	Department	Funding agency	Amount Rs.
1	Studies on CO ₂ capture from flue gases using regenerable solid adsorbents	Prof. Srikanta Dinda	Chemical Engineering	CSIR	2600000
2	Spectral element methods for elliptic and parabolic interface problems in R2 on parallel computers	Dr. N. Kishore Kumar	Mathematics	DAE	1359100
3	Pharmacological evaluation of novel double stranded RNA dependent rotein kinase (PKR) inhibitors for diabetic cardiomyopathy	Dr. Arti Dhar	Pharmacy	CSIR	2300000
4	Cell Penetrating Peptide Octa-Arginine anchored, Multifunctional poly(amidoamine)Dendrimer to Promote delivery of chemotherapeutics in cancer	Dr. Swati Biswas	Pharmacy	DBT	3703695
5	Investigations of folding of Cysteine-rich Neurotoxins in Ionic Liquids by Molecular Dynamics simulation and Quantum Mechanical calculations	Dr. Durba Roy	Chemistry	DST	2522800
6	Photocatalytic Nox abatement: From mechanism and material peoperties to catalytic performance	Dr. Sounak roy	Chemistry	DST	2448000
7	Design and snthesis & biological evaluation of Mycobacterium tuberculosis serine/threonine protein kinase (BPknB) inhibitors	Prof. D. Sriram	Pharmacy	DST-2015	2761000
8	Bianchi Type Cosmological Models in Modified Theories of Gravitation	Prof.Bivudutta misra	Mathematics	DST	1108800
9	Role of double stranded RNA dependent protein kinase (PKR) in hypertension: Mechanism and prevention	Dr. Arti Dhar	Pharmacy	DST	2604000
10	Evaluation of promising algal isolates for sustainalbe biofuel production interagted with CO ₂ sequestration	Dr. Shailender Kumar Sing	Biological Sciences	DST- Young Scientist	3370000
11	Finding Aggregation-Induced Emission Active Materials: Design, Synthesis and Photophysical Studies of Sterically Hindered Triarylethenes and Tetraarylethenes	Prof. Manab chakravrthy	Chemistry	DST-2	3838000
12	Non -Invasive Delivery of siRNA to treat Melanoma	Dr.Vamsi krishna venuganti	Pharmacy	DBT-RGYI	2284800
13	Structure based rational design and synthesis of mycobacterium tuberculosis inhibitors	Prof.Swaminathan	Biological Sciences	DBT	5967500
14	Nano-scale characterization of human hair fibres by using indentation technique.	Dr. A Ramesh babu	Chemical Engineering	DST	2662000
15	D - a-Tocopherol conjugated co-polymer based micelles for improved delivery of chemotherapeutics with reversal of multiple drug resistance	Dr.Swati Biswas	Pharmacy	DST	2240000
16	Role of interleukin-22 in diabetic wound healing band regeneration	Dr. Onkar Kulkarni	Pharmacy	DST	2726000
17	Microfluidic -diffusivity -meter: CO ₂ diffusivity sensor during carbon sequestration in the oil-reservoirs	Prof. Sanket Goel	EEE	DST	2191000
18	Integrated urban flood management in India	Prof. K .S.Raju	Civil Engineering	ITRA	1906000
19	Photocurable organic-inorganic hybrid precursors for the fabrication of metal oxide micro/nanostructures	Dr.Ramakrishan Ganesan	Chemistry	DST	2598000
20	Biofuels from lignocellulosic biomass waste: Biosolubilization and biomethanation of lignin	Dr. Asma Ahmed	Chemical Engineering	DST-FT	2410000
21	Towards metalloneurochemistry inside a niosome: a fluorescence spectroscopy approach	Dr. Amit Nag	Chemistry	DST	2498000
22	Characterization of a mouse embryonic stem cell model to study the effects of increased levels of DNA methyltransferase 1 (DNTMT1) on abnormal neurogenesis	Prof. Nagamohan	Biological Sciences	DST	4038400
23	Transgenic Embryonic stem cell models for studying the role elevated levels of DNMT1 and DNMT3A in neuropsychiatric disorders	Prof. Nagamohan	Biological Sciences	DBT	2410000

S.No.	Title of the Project	PI	Department	Funding agency	Amount Rs.
24	Gravitational waves from oscillations and instabilities in neutron stars	Dr. Sarmistha Banik	Physics	DST	1476000
25	Advancing host-directed therapy for tuberculosis/MDR-TB: Development of novel PKB/AKT1 and Protein Kinase R inhibitors as an adjunctive treatment for tuberculosis	Prof. D. Sriram	Pharmacy	DBT-Tata Innovation	2700000
26	Development of an encryption algorithm for secure transmission of color images	Dr. Manish Kumar	Mathematics	DST	1508053
27	Performance evaluation of backfill soils partially replaced with building derived materials	Dr. Anasua Guharay	Civil Engineering	DST	2443710
28	"Hydrogen storage in mesoporous polymer derived ceramics for automotive applications	Dr. Sujith R	Mechanical Engineering	DST	4238240
29	Enhancement of mechanical properties of Ti-6Al-4V using constrained groove pressing and heat treatment	Prof. Amit Kumar Gupta	Mechanical Engineering	DRDO	4560000
30	Functional role of histone deacetylase 5 (HDAC5) in the pathogenesis of chronic kidney diseases and renal fibrosis	Dr. Onkar Kulkarni	Pharmacy	DBT-IYBA	7016800
31	Investigations on pro-inflammatory cytokine inhibitory low molecular weight metabolites of Pseudomonas sp. ABS -36 for the treatment of renal injury	Prof. A Sajeli Begum	Pharmacy	DST	2439363
32	Synthesis, study of optical properties and Anticancer activity of unique di-substituted tetracyanoquinodimethanes	Prof. Jayanty Subbalakshmi	Chemistry	DST	2574605
33	Development of a Non-invasive biodegradable polymeric microprojection ocular patch for effective corneal delivery of anti-microbial agents to treat fungal infections of eye	Dr. Vamsi Krishna Venuganti	Pharmacy	ICMR	4225150
34	STRATEGIES FOR FAULT-TOLERANT NETWORK-ON-CHIP DESIGN "	Dr. Soumya J	EEE	DST	2593140
35	Development of an accurate and robust unstructured grid-based adjoint approach for compressible turbulent flows	Dr. Anil N	Mathematics	DST	1590600
36	Polymorphism studies and molecular characterization of plasmodial Rho-1 protein 2 (RON-2) from Indian field isolates	Prof. Vidya Rajesh	Biological Sciences	DST	3492000
37	Protein structure and stability modulation due to In-Cell and In-Vitro Crowding: Molecular insights on the origin of the effects of crowding	Dr. Ramakrishna Vadrevu	Biological Sciences	DST	5436000
38	Mechanistic basis of abnormal neurogenesis due to HSN1E-associated DNA methyltransferase1 (Dnmt1) mutation and pharmacological intervention for phenotypic correction	Prof. Naga Mohan	Biological Sciences	DBT-2	6845800
39	Investigations of knowledge on Dengue fever followed by education and post impact behavioural changes among the rural communities of shameerpet mandal of rangareddy district of Telangana state	Prof. Sajeli Begum	Pharmacy	ICMR-ICSSR	418387
40	Novel Casting approach to improve quality of aluminum alloy casting : Hybrid ultrasonic assisted bottom pour stir casting process	Prof. N. Suresh Kumar Reddy	Mechanical Engineering	DRDL	984500
41	Career Persistence of Indian Women Professionals in Information Technology sector: Brakes , Accelerators, Challenges and Opportunities	Dr. Swati Alok	Economics and Finance	ICSSR	200000
42	Understanding the Role of Antimicrobial S100A12 (Calgranulin C) Mediated Host Defense in Pseudomonas Keratitis and Developing Nano-tools for Efficient Delivery of S100A12	Dr. Swati Biswas	Pharmacy	DST	5500600
43	Improving the seismic performance of dynamically similar buildings using damper connected control technique	Dr. S C Mohan	Civil Engineering	DST	4314540
44	Multiobjective evolutionary approach for solving water distribution network design optimization	Prof. Vasani	Civil Engineering	CSIR	2235400

S.No.	Title of the Project	PI	Department	Funding agency	Amount Rs.
45	Formability Study of Inconel 625 alloy at Elevated Temperatures for Aerospace Applications	Dr. Nitin R. Kotkunde	Mechanical Engineering	DST	3143250
46	Comparison of phase velocities of Rayleigh waves, love waves and Torsional waves in various anisotropic geo-media	Dr. Sumith Kumar Vishwakarma	Mathematics	DST	1366800
47	Cryogenically-Conditioned Micro and Nanoencapsulated Phase Change Material Slurries for Cool Thermal Energy Storage Applications	Dr. R. Parameshwaran	Mechanical Engineering	DST	2776340
48	Efficacy of Appropriately Tailored Biopolymer and Carbonaceous Adsorbents for the separation and Recovery of Europium	Prof. N. Rajesh	Chemistry	DST	2959370
49	Application of topology optimization to enhance energy efficiency and performance of industrial manipulator	Dr. Arshad Javed	Mechanical Engineering	DST	2943600
50	Design, Synthesis and Biological Evaluation of HDAC3 Selective Inhibitors as Long Term Memory Enhancers	Dr. Balaram Ghosh	Pharmacy	DST	2987800
51	Metal-Oxide and nano composite based low-power non-volatile switching device : a novel approach	Dr. Souvik Kundu	EEE	DAE-BRNS	3490650
52	Development of metamaterial base support	Dr. Sabareesh G R	Mechanical Engineering	DMDE DRDO	1380000
53	Investigations on naphthalene and anthracene based phosphates/phosphates: important sources for alkene based new algeers and polyaryalkanes	Prof. Manab Chakravarty	Chemistry	CSIR	1620000
54	Photocatalytic reduction of CO2 to biofuels	Dr. Sounak Roy	Chemistry	CSIR	400000
55	Preparations and Characterization of a topical gel formulation of topical gel formulation of IS107	Dr. V Vamsi Krishna Venuganti	Pharmacy	ISSAR	563500
56	Transcutaneous delivery of liraglutide using zein microneedle array	Dr. V Vamsi Krishna Venuganti	Pharmacy	NACTO	2242500
57	Development and characterization of a topical gel formulation of a candidate drug	Dr. Vamsi Krishna Venuganti	Pharmacy	Sarudbhava Formulations Pvt. Ltd.	300000
58	Development of pH-responsive smart capsule containing targeted multilayer film for drug delivery: The proof-of-concept study in colorectal cancer model	Dr. Vamsi Krishna Venuganti	Pharmacy	DST	2476400
59	Implementation of Digital Beam forming for Radar	Dr. S K Sahoo	EEE	HBL	332760
60	Strategies against antibiotic resistance in Mycobacterium tuberculosis and ESKAPE pathogens; new drugs and new targets	Prof. D Sriram	Pharmacy	DBT Indo Sweden	6700068
61	Construction of arbitrary Tensor Networks using cross approximation techniques	Dr. N. Kishore kumar	Mathematics	DAE	289500
62	Sequence based designs and characterization of peptide-amyloidnano materials exploring functionality	Dr. Ramakrishna Vadrevy	Biological Sciences	DAE-BRNS	2968650
63	Combined genetic and epigenetic analysis of oral cancer for prognosis of patients	Prof. K Naga Mohan	Biological Sciences	DBT3	13888240
64	Coastal wetlands characterization using L and S bands of polarimetric SAR data	Dr. Rajitha	Civil Engineering	ISRO	1358000
65	Development and characterization of a topical formulations	Dr. V. Vamsi Krishna Venuganti	Pharmacy	ISSAR-2	979400

Ongoing Consultancy Projects

S.No	Title of Consultancy of project	Name of faculty (Chief Consultant)	Department	Client Organization	Amount Rs.
1	Development for sustained release injectable formulations	Dr.Swati Biswas	Pharmacy	Daewoong Pharmaceutical Co.,Ltd	2200000
2	Algorithms for Narrow Beamwidth Emitter Location(Anabel)	Prof. Yoganandam	EEE	DLRL	994948

S.No	Title of Consultancy of project	Name of faculty (Chief Consultant)	Department	Client Organization	Amount Rs.
3	Simulation and Modelling to Minimize Porosity level in Aluminum Castings by Ultrasonic Sir Casting	Prof. N.S.K Reddy	Mechanical Engineering	L&N Structural Engineers	803200
4	Effluent Treatment Plant (ETP) and Sewage Treatment Plant (STP)	Prof. Suman Kapur	Biological Sciences	ABG	2157440
5	"Design and Thermal Analysis of Electronic Controller Mounted on Disc"	Prof. Jeevan Jaidi	Mechanical Engineering	HBL Power Systems Ltd.	249997
6	"Analytical development studies for pharmaceutical products"	Dr. Vamsi Krishna Venuganti	Pharmacy	Intera Healthcare Pvt Ltd	1830855
7	Technical and knowledge support for preparation and filing of drugs master file (DMF) as per common technical documents (CTD) for sennosides USP including the analytical requirements	Prof. Punna Rao	Pharmacy	Shashi Phytochemical Industries	574560
8	Maintenance of sanitation and solid waste management for swachh Andhra pradesh	Dr. Sankar Ganesh	Biological Sciences	Ascent Leadership & Management	350550
9	Development of epigenomes-targeted liposomes for the cancer specific delivery of chemotherapeutic drug, Doxorubicin	Dr. Balaram Ghosh	Pharmacy	SUN Pharma Advanced Research Company Ltd.	2900000
10	Development of pulse position modulation modemm	Prof. Yoganandam	EEE	DPPMM	402500
11	Developing a web portal for power curve guarantee test	Dr. Sabareesh G Rajasekharan &	Mechanical Engineering	Mytrah Energy (India) Pvt Limited	148995
12	Web portal for downloading the reanalysis data & long term correlation with measured data	Dr. Aruna Malapati	CSIS	Mytrah Energy (India) Pvt Limited	148995
13	Screening of Immunoglobulin gene sequences of interest	Prof. Suman Kapur	Biological Sciences	Consultancy project	563886
14	Synthesis of iron oxide nanoparticles for propellant fuel applications	Dr. Balaji Gopalan & Dr. Ramakrishnan Ganesan	Chemistry	Premier Explosives Limited	1215000
15	Heat transfer study of Li-ion Bty, Pha-1	Prof. Jeevan Jaidi	Mechanical Engineering	HBL	531000
16	Comparison of Phenolic Resin from two sources for their properties	Dr. Karthik Chetan V	Chemical Engineering	DRDO-cars	979200
17	Implementation of Digital Beam forming for Radar	Dr. S K Sahoo	EEE	HBL	332760
18	Novel Casting approach to improve quality of aluminum alloy casting : Hybrid ultrasonic assisted bottom pour stir casting process	Prof. N. Suresh Kumar Reddy	Mechanical Engineering	DRDL	984500

S.No	FIST	Department	Amount Rs (lakh)
1	DST-FIST	Pharmacy	33.50
2	DST-FIST	Biological Sciences	55.00
3	DST-FIST	Chemistry	45.00
4	DST-FIST	Civil Engineering	49.50
5	DST-FIST	Mathematics	24.50
	DST share (50%)	Total	207.50

International Projects ongoing

S.No.	Title of the Project	PI	Department	Funding agency	Amount Rs.
1	Mycobacterium tuberculosis acetyl coenzymes a carbonylase inhibitors: structure based drug design, synthesis and biological evaluation	Prof. D. Sriram	Pharmacy	DST Indo-Poland	1189000
2	Turnor targeted nanomedicines for Photodynamic therapy	Dr. Swati Biswas	Pharmacy	DST-Indo Belarus	958000
4	Structured-based Design of Orphan nuclear Receptor Modulators to treat Diabetes and its complications by targeting RORalpha and Rev-erbalpha	Prof. P. Yogeeswari	Pharmacy	ICMR Indo-France	2161600
5	Development of Novel Compounds for the Treatment of Neural Complications of Diabetes	Prof. P. Yogeeswari	Pharmacy	DST-Indo-Portugal	604000
6	Enzymes from Purine and Pyrimidine Biosynthetic pathway as targets for the development of Mycobacterium tuberculosis drugs	Prof. P. Yogeeswari	Pharmacy	DBT-Indo-Brazil	4822990
7	Parallax Lightweight code self-verification for IoT Devices	Prof. Hota	CSIS	DeitY	3830000
8	UK-India Centre for Advanced Technology for Minimization of indiscriminate use of Antibiotics (UKICAT-MA)	Dr. Vamsi Krishna Venuganti	Pharmacy	DBT-MRC	3500000

Projects Completed

S.No	Project Name	Principal Investigator	Department	Funding Agency	Amount
1	Non -Invasive Delivery of siRNA to treat Melanoma	Dr. Vamsi Krishna Venuganti	Pharmacy	DBT-RGYI	2284800
2	Nano-scale characterization of human hair fibres by using indentation technique.	Dr. Ramesh Babu Adusumalli	Chemical Engineering	DST FT	2662000
3	Photocatalytic Nox abatement: From mechanism and material peoperties to catalytic performance	Dr. Sounak Roy	Chemistry	DST FT	2448000
4	Finding Aggregation-Induced Emission Active Materials: Design, Synthesis and Photophysical Studies of Sterically Hindered Triarylethenes and Tetraarylethenes	Dr. Manab Chakravarthy	Chemistry	DST	3838000
5	Bianchi Type Cosmological Models in Modified Theories of Gravitation	Dr. Bivudutta Mishra	Mathematics	DST	1444800
6	Towards metalloneurochemistry inside a niosome: a fluoroscence spectroscopy approach	Dr. Amit Nag	Chemistry	DST	2498000
7	Enzymes from Purine and Pyrimidine Biosynthetic pathway as targets for the development of Mycobacterium tuberculosis drugs	Prof. P. Yogeeswari	Pharmacy	DBT-Indo-Brazil	4822990
8	Characterization of a mouse embryonic stem cell model to study the effects of increased levels of DNA methyltransferase 1 (DNTMT1) on abnormal neurogenesis	Dr. Nagamohan	Biological Sciences	DST	4038400
9	Gravitational waves from oscillations and instabilities in neutron stars	Dr. Sarmistha Banik	Physics	DST	1476000
10	Cell Penetrating Peptide Octa-Arginine anchored, Multifunctional poly(amidoamine)Dendrimer to Promote delivery of chemotherapeutics in cancer	Dr. Swati Biswas	Pharmacy	DBT	3703695
11	Turnor targeted nanomedicines for Photodynamic therapy	Dr. Swati Biswas	Pharmacy	DST-Indo-Belarus	958000

S.No	Project Name	Principal Investigator	Department	Funding Agency	Amount
12	Mycobacterium tuberculosis acetyl coenzymes a carbonylase inhibitors: structure based drug design, synthesis and biological evaluation	Prof. D Sriram	Pharmacy	DST-Indo polish	1189000
13	D - a-Tocopherol conjugated co-polymer based micelles for improved delivery of chemotherapeutics with reversal of multiple drug resistance	Dr. Swati Biswas	Pharmacy	DST	2240000
14	Structure based rational design and synthesis of mycobacterium tuberculosis inhibitors	Prof. Swaminathan	Biological Sciences	DBT	5967500
15	Development of Novel Compounds for the Treatment of Neural Complications of Diabetes	Prof. P. Yogeewari	Pharmacy	DST-Indo-Portugal	604000
16	Development for sustained release injectable formulations	Dr. Swati Biswas	Pharmacy	Daewoong Pharmaceutical Co.,Ltd	2200000
17	"Design and Thermal Analysis of Electronic Controller Mounted on Disc"	Prof. Jeevan Jaidi	Mechanical Engineering	HBL	249997
18	"Analytical development studies for pharmaceutical products"	Dr. Vamsi Krishna Venuganti	Pharmacy	Intera Healthcare Pvt Ltd	1830855
19	Maintenance of sanitation and solid waste management for swachh Andhra pradesh	Dr. Sankar Ganesh	Biological Sciences	Ascent Leadership & Management	350550
20	Microfluidic -diffusivity -meter: CO2 diffusivity sensor during carbon sequestration in the oil-reservoirs	Prof. Sanket Goel	EEE	DST	2191000
21	Development of pulse position modulation modemm	Prof. Yoganandam	EEE	DPPMM	402500
22	Simulation and Modelling to Minimize Porosity level in Aluminum Castings by Ultrasonic Sir Casting	Prof. N.S.K Reddy	Mechanical Engineering	L&N Structural Engineers	803200
23	Algorithms for Narrow Beamwidth Emitter Location(Anabel)	Prof. Yoganandam	EEE	DLRL	994948

Brief description of some of the projects sanctioned in 2017-18

1. Dr. P. Dhanumjaya

NBHM (DAE) Sponsored Project:

Thrust area of the project

Computational Partial Differential Equations

Keywords

PDEs with interfaces, Discontinuous data, Error estimates, Numerical Experiments

Abstract: In this project, we study theoretical and numerical investigations for two-dimensional Helmholtz equation with vertical interface(s) using monomial bases. Solving one-dimensional heat conduction equation in double-layers. Finally, we concentrate theoretical and numerical investigations for two-dimensional heat equation with interfaces.

2. Dr. P. Dhanumjaya

DST-SERB Sponsored Project:

Thrust area of the project : Mathematical Modeling, Computational Biology

Keywords: Predictive Mathematical Modeling and Analysis for Effective Diagnosis, Control of Diabetes Mellitus, Co-infections Diseases among Indians

Abstract : We intend to develop new and realistic dynamical mathematical models that explain real world phenomena, for which we shall analyze their qualitative properties such as existence, stability, periodic and oscillatory behaviour of the involved processes. Furthermore, we intend to discover new processes of discretizations that preserve the dynamic characteristics of the solutions of ordinary and partial differential equations, in the related and associated difference equations.

3. Dr. Varinder Singh

Thrust area of the project : Manufacturing engineering

Keywords : Cold drawn steel tubes; porous surface; lubricant application; surface finish

Abstract : At TIL, Chennai, several types of tube products are produced. The present process sequence for manufacturing cold drawn tube products involves initially the rolling of the strip of appropriate thickness and then welding the two ends together by electric resistance welding. This electrical resistance welded tube after removing the burrs and extra metals, needs the application of lubricant before cold drawing operation. The project aims to devise and investigate ways to improve lubricant retention under extreme pressures and enhance surface finish of the cold drawn steel tubes. The improved surface finish and prevention of surface defects has tremendous value to the organization. Two major methods are under investigation namely the creation of porous surface for better lubricant retention and application of ultrasonic vibration to the die for improved surface finish.

4. Dr. Neena Goveas

Thrust Area of the project: Development of Remotely Configurable Arbitrary Ramp Generator for Frequency Modulated Continuous Wave Reflectometry

Keywords : FPGA, Ramp generator, Frequency Modulation, Plasma density profile

Abstract : Frequency-modulated continuous-wave (FMCW) microwave reflectometer is used to measure the plasma density profile with a predefined time resolution. FMCW reflectometer employs a non-linear upsweep in voltage for generating a linear frequency modulated signal. Depending on the experimental requirements we should be able to change the VCO output frequency and also the duration of sweep so as to optimize the reflectometer measurement range.

5. K. P. Jayadevan, CoPI: Prof. R. N. Behera

Thrust Area of the project

Physical Chemistry of Nanocrystals

Keywords : Oxide Nanocrystals, Boron, Semiconductor, Solid Simulation, Band Gap

Abstract : This project intends to study the effect of boron as a dopant on the microstructure and band gap of some model semiconducting oxide nanocrystals: TiO_2 and ZnO . The experimental methods involve solution based preparation routes and characterization of microstructure. The results of the experiment will be compared with density functional computation. It is expected that a comparison of experimental and computational data on these oxide microstructures will be helpful for fundamental understanding of site occupancy of boron in semiconducting oxide lattice and improvement of device characteristics based on these materials.

6. Dr. Raghu Nath Beher

Thrust Area of the project : Theoretical and Computational Chemistry

Keywords: Organochalcogen, diselenide, GPxmimetics, ab initio method, antioxidant

Abstract: In this project, a computational study of the mechanism of the full catalytic cycle of some diaryldiselenide-based glutathione peroxidase (GPx) mimics, a promising class of organoselenium antioxidants, is proposed. The mechanistic investigation will be useful for understanding the complex chemistry at the active site of GPx and for designing novel antioxidants.

7. Gauranga Charan Samanta

Thrust area of the project: Modified gravity

Keywords: General relativity, cosmic acceleration, dark energy

Abstract: In this, we investigate the present cosmic acceleration of the universe from different aspects through some cosmological models by making some system of mathematical equations with the help of general relativity and modified gravity keeping in the mind in isotropic, homogeneity, anisotropy and inhomogeneity nature of the universe based on the different form of dark energy and bulk viscous fluid. The physical and geometrical properties of the resulting cosmological models of the universe are to be validate with the help of observational data.

8. Dr. Pravin Singru

Thrust Area of the project: Musical Acoustics

Keywords : SarasvatiVeena, vibro-acoustics, acoustic signatures, FFT, sound radiation

Abstract : We aim to characterize the tonality of the sound of the SarasvatiVeena of South India, a stringed musical instrument. The acoustic signatures will be extracted from a study of its spectrum. A mathematical modeling of the string vibrations with end points at the curved bridge and fret will used to explain the origin of the special features of the spectrum. We will also carry out a detailed experimental study of the vibrations of the sound board (the surface of the resonant chamber). The resonant cavity will be modeled and the modes will be

determined analytically to compare with experimental results. We will map the sound radiation from the instrument. This will result in an acoustic characterization of the instrument along with parameters for standardizing the construction and determining key properties for customization.

9. Dr. Ethirajulu Senthamarai Kannan

Thrust Area : Gas Sensors

Key words: Molybdenum-di Sulphide, Reduced Graphene Oxide, Hydrogen storage and Detection

Abstract : In this project, we propose to employ a composite of reduced graphene oxide (RGO) and Molybdenum di-sulphide (MoS₂) for developing highly sensitive hydrogen detector and simultaneously utilize the highly porous structure of RGO for storing Hydrogen (H₂). The structural integration of MoS₂ Nanoparticle (NPs) in RGO matrix is expected to enhance the storage capacity and sensitivity to H₂ by increasing the interlayer spacing and active sites in RGO. The successful implementation of the project will be a great step forward in making Hydrogen as an affordable fuel of choice.

10. Dr. Ram Shanker Patel

Thrust Area of the project : Spintronic Devices (Experimental Condensed Matter Physics)

Keywords : Spin Seebeck Effect, Spin Caloritronics, layered materials

Abstract Seebeck Effect is a phenomenon that generates potential difference proportional to the temperature difference across the materials. Here flow of charge carriers due to thermal energy difference results in the observed potential difference. These charge carriers also have spin. Spin caloritronics aims to achieve smaller, faster and energy efficient device structures by exploiting the spin property of the electrons and holes. We aim to explore Spin Seebeck effect in heterostructures. We propose to use 2d layered materials for spin signal measurements.

11. Dr. Utpal Roy

Theme: Antifungal drug-discovery.

Abstract: New lipopeptide homologue with broad-spectrum antifungal activities against *Candida* and *Cryptococcus* spp. was purified from *Bacillus subtilis*. The purification and functional characterization studies demonstrated that the antifungal lead bioactive molecule has the potential to combat multidrug-resistant *Candida* threat. The new antifungal has potent antifungal/antibiofilm activity against *Candida* strains, indicating that further evaluation of this promising antifungal is warranted.

12. Dr Kundan Kumar

Screening, isolation and identification of novel antimicrobial compounds from potential mangroves of Goa (CSIR EMR)

Thrust Area of the project: Plant Biotechnology

Keywords: Plant secondary metabolites, Mangroves, Bioactive compounds

Abstract : Extracts from different mangrove plants are reported to possess diverse medicinal properties such as antibacterial and antifungal properties. Attempts were made towards isolation of antimicrobial compounds from the bestowed mangrove flora of Goa. Plant parts of 14 mangrove species of Goa were tested against pathogenic bacterial strains, fungi of clinical importance and novel compounds from the identified mangrove species will be isolated and identified.

13. Dr Kundan Kumar

Research project Study on the role of Tonoplast Intrinsic Protein family members in arsenite accumulation and their transport in rice (BRNS)

Thrust Area of the project: Plant Biotechnology

Keywords: Rice, Aquaporins, TIPs

Abstract : A detailed understanding of how As III transmembrane transport and toxicity is modulated will be helpful in designing strategies for reducing the arsenic content in food crops. This study can provide us a cue for the role of identified Tonoplast Intrinsic Proteins (TIPs) in As transport in rice as a whole and probable mechanism on how basically these transporter proteins can be utilized for lowering As content in rice grains. Finally the aim of the proposal is to produce rice plants with less arsenic content in shoots in comparison to the wild types.

14. Dr Prasanna Kumar

Title of the Project: A Study on the Inequalities Involving Complex Polynomials

Funding Agency/Amount: National Board for Higher Mathematics/ 13.041 lac (Indian Rupees thirteen lac four thousand and hundred)

Thrust Area of the Project; Complex Analysis

Key Words: Polynomials, Inequalities, Zeros

Abstract: Let $P(z)$ be a complex polynomial of degree n having zeros within or on or outside specific region in the complex plane. In this project, we shall estimate bounds in more generalized form involving the derivative of a complex polynomial.

15. Dr. Prasanna Kumar

Title of the Project: Bernstein Type Inequalities for the Polar Derivative of a Polynomial

Funding Agency/Amount: Council of Scientific & Industrial Research (CSIR), Govt of India / Rs 16.46 lac

Thrust Area of the Project; Complex Analysis

Key Words: Polynomials, Inequalities, Polar derivatives

Abstract: In this project, we study on new bounds concerning the maximum moduli of f complex polynomials and their polar derivatives with restricted zeros. These results will generalize and refine upon all the earlier results.

16. Dr. S D Manjare

Thrust Area: Process Systems Engineering

Key Words: Urrakh, Feni, cashew apple, fermentation, distillation

Abstract : Feni, a drink distilled from the juice of cashew apples and toddy or coconut sap, is an integral part of Goan culture, and is probably India's best known local liquor. It has got medicinal properties, and has been recommended by locals for stomach problems, fever and throat infections. However the feni-making industry is largely unorganized, scattered, and family-owned. There are different production techniques that different distillers use, which gives different varieties of feni a flavor and character that are uniquely their own. Also, the product testing mechanisms vary across the producers.

The cashew feni has proved to be a foreign exchange earner in Goa. Therefore there is a good scope for setting up export-oriented liquor making units in cashew and coconut growing areas. This will help the farmers to get market for cashew. This will further help in generating more employment opportunities in rural areas.

In view of above it is important that the feni production methodology currently at micro level in numerous locations scattered over the state needs to be changed, which is presently very crude and non uniform. This proposed work aims at improvement in the feni production. In this work the detailed experimental studies will be carried out to understand the improvement scope in feni production. Finally based on the project outcome, the recommendations would be made to the stake holders regarding the up gradation of the feni production methodology.

17. Dr. Teny John

Thrust Area of the Project : Thin film solar cells

Keywords : CZTS, co-evaporation, flexible solar cells, absorber layer

Abstract: Kesterite based solar cells are attracting considerable attention recent years, owing to the reduced toxicity and greater abundance of their constituent elements. This p-type semiconductor, $\text{Cu}_2\text{ZnSnS}_4$ (CZTS) can be viewed as a derivative of the chalcopyrites (CuInS_2 or CuInGaS_2) in which, the less abundant elements, In or Ga, are replaced with more available Zn and Sn. The project aims at fabricating flexible solar cells with structure flexible substrate/ ITO/CZTS:Na/In₂S₃/ZnO:In/Al(Ag). Structural, optical and electrical studies will be done independent layers as well as solar cells.

18. Gaurav Singh

Name of the Co-PI :SubhasGhosal (BITS Pilani – Hyderabad Campus)

Title of the project :Crack growth direction in amorphous silica under extreme temperature using molecular mechanics

ISRO project number :ISRO/RES/3/727/16-17

Thrust Area of the project :Fracture Mechanics

Keywords :TPS, RLV, fracture, silica, molecular dynamics

Abstract :The Thermal Protection System (TPS) for the Reusable Launch Vehicle (RLV) majorly made of amorphous silica tiles, is exposed to temperatures beyond its true reuse limits, causing embrittlement, slumping of edges etc. This lack of TPS robustness and resiliency would result in repair/replacement times and man-hours. The prediction of crack growth direction at the continuum level isn't accurate enough with the existing criteria. So, atomic-level MD simulations are used here, and the effect of extreme temperatures on crack propagation in the TPS of the RLVs can be studied at the atomic scale.

19. Dr Gaurav Singh

Title of the project :Higher overall stiffness of triangular shaped ductile/brittle lattice composite structure compared to square and hexagonal shaped structure

SERB Fine No. : ECR/2017/000037

Thrust Area of the project :Composite Mechanics

Keywords :statistical, composites, mechanics, epoxy, stiffness

Abstract :Composites are generally made of weaker/lighter matrix and stronger/heavier reinforcement as a compromise between weight and strength. In an earlier work of mine, it was analytically claimed that a triangular shaped lattice composite structure will yield a higher overall stiffness compared to a square shaped lattice composite for the same statistical strength. In this work, the above claim is to be experimentally verified by fabricating and testing a copper/epoxy lattice composite structure as closely to the theoretical model.

20. Dr. Prasanta Kumar Das

Title: Signature of space-time noncommutativity in high energy colliders

Project Ref. No: EMR/2016/002651

Thrust Area of the project: Plasma High Energy Nuclear Physics & Astrophysics

Keywords 3/4: Noncommutative space-time, Higgs boson, High Energy electron-positron and proton-proton collider.

Abstract (4/5 lines maximum 100 words): The idea that the fundamental scale of gravity can be as low as TeV (1 TeV = 1.0×10^{12} eV) in extra-dimensional models, the space-time noncommutativity arises at the TeV scale, have drawn a lot of attention among the physics community. The non-commutative space-time may lead to the azimuthal anisotropy in the distribution of particle scattering cross-section. The high energy (TeV) electron-positron linear collider and proton-proton large hadron collider can play an important role in probing this space-time anisotropy at the TeV scale. This present project is aimed to investigate this space-time anisotropy in the context of LC and LHC.

21. Dr. Gauri A.(Mentor Dr Meenal Kowshik)

Title: Novel sustained release biodegradable polymer-coated urea and zinc nanofertilizers for synchronizing fertilizer uptake, improving productivity and prevention of bacterial wilt disease in chilli (*Capsicum annum* L.).

Funding agency: Science and Engineering Research Board, Department of Science and Technology, FILE NO. PDF12016/001893

Thrust Area of the project: Nanobiotechnology

Keywords 3/4: Nanofertilizers, Urea, Zinc, Chitosan

Abstract : In this project, using chitosan, highly stable and sustained release urea and Zn nanofertilizers will be synthesized and their release kinetics will be studied in the soil. At present, the release kinetics of chitosan-Zn nanofertilizer is in progress. Improvement of growth and physiological parameters in *Capsicum annum* L. in the presence of nanofertilizers will be studied under greenhouse conditions. The project will investigate effects of nanofertilizers on rhizosphere bacteria and define a minimal dose effective for promoting growth in *C. annum* L. Further, nanofertilizers crosslinked with antivirulence compounds against the Bacterial Wilt pathogen *Ralstoniasolanacearum* will be synthesized and tested.

Abstract of Projects: Hyderabad Campus

Dr. Sajeli Begum

1. Title of the Project: Investigations on pro-inflammatory cytokine inhibitory low molecular weight metabolites of *Pseudomonas* sp. ABS -36 for the treatment of renal injury

2. Funding Agency: DST

3. Total Sanctioned amount: 2437000/-

4. Duration: 3years

5. Status: ongoing

6. Objectives: 1.To isolate low molecular weight metabolites from the culture broth of *Pseudomonas* sp. ABS-36 strain 2.To perform cell based in-vitro assays on isolated compounds to identify pro-inflammatory cytokine inhibitory molecules targeting TNF- α , IL-1 β and IL-6. 3.To study the effect of potential compounds (based on in-vitro result) under renal inflammatory animal models.

Dr. JayantiSubbalakshmi:

1. Title of the Project: Synthesis, study of optical properties and Anticancer activity of unique di-substituted tetracyanoquinodimethanes
2. Funding Agency: DST
3. Total Sanctioned amount: 2574605/-
4. Duration: 3years
5. Status: ongoing
6. Area of research:Organic – Physical chemistry
7. Key words: Synthesis, Characterization, Fluorescence, Anti-cancer activity
8. Objectives:(i) Design, Synthesis and characterization of mono and di-substituted TCNQ's,
(ii) Study of optical properties
(iii) Investigation on anticancer potential of library of compounds synthesized
9. Deliverables: Over 12 molecules have been synthesized and Characterized. Fluorescence and Anti-cancer activity studies are under progress.

Dr. V. Vamsi Krishna Venuganti:

1. Title of the Project:Development of a Non-invasive biodegradable polymeric microprojection ocular patch for effective corneal delivery of anti-microbial agents to treat fungal infections of eye
2. Funding Agency: ICMR
3. Total Sanctioned amount: 4225150/-
4. Duration: 3years
5. Status: ongoing
6. Area of research : Drug Delivery
7. Key words :Ocular infections, corneal drug delivery
8. Objectives: To design, fabricate and develop a drug delivery device suitable for ocular drug delivery
9. Deliverables: Development of new drug delivery system

Dr. Vidya Rajesh:

1. Title of the Project: Polymorphism Studies and Molecular Characterization of the PlasmodialRhoptry Neck Protien (RON 2) from Indian field Isolates.
2. Funding Agency: DST-SERB
3. Total Sanctioned amount: 3492000/-
4. Duration: 3years
5. Status: ongoing
6. Area of research :Molecular Parasitology
7. Key words : RON 2, Polymorphism, Plasmodium, Malaria.
8. Objectives:
 1. To investigate polymorphisms in Rhoptry neck protein 2 (RON-2) of Plasmodium from field isolates from different parts of India.
 2. To compare the polymorphism, if found, with reported data from non-Indian strains.
 3. Classification and identification of alleles and haplotypes found in different geographic locations in India.
 4. To investigate the impact of polymorphism on the structure, function and immunogenicity of RON 2. This proposal aims to characterize the sequence diversity and mechanism of selection of RON 2 gene in both Plasmodium falciparum and Plasmodium vivax from different parts of India and establish the antigenic repertoire of this protein and characterizing its implications interms of its structural, functional and immunological significance. Insights obtained through this study on RON-2 would help in achieving a more comprehensive knowledge about the vaccine candidates of Plasmodium from India.
9. Deliverables: Knowledge addition to the field leading to Publications and conference presentations.

Dr. N Anil

1. Title of the project: Development of an accurate and robust unstructured grid-based adjoint approach for compressible turbulent flows.
- 2 Funding agency: DST-SERB
- 3 Total Sanctioned amount: 15, 90, 600/-

- 4 Duration: 3 years
- 5 Status: Ongoing
- 6 Area of research : Mathematical Sciences
- 7 Key words (3-4 max): Compressible turbulent flows, RANS equations, Discrete ad-joint method, Algorithmic Differentiation
8. Objectives:–
 1. Development of a finite volume compressible Reynolds-averaged Navier-Stokes (RANS) scheme and solver on unstructured grids.
 2. Validation of the primal RANS solver on standard test cases.
 3. Development of a tangent linear RANS solver based on Algorithmic Differentiation.
 4. Development of a discrete adjoint RANS solver based on hand-discrete and Algorithmic Differentiation techniques.
 5. Demonstrating the accuracy of the adjoint solver by comparing the adjoint sensitivities with the values obtained from finite differences and tangent linear solver.
9. Deliverables:
 1. Compressible RANS code on unstructured grids.
 2. Tangent linear and discrete adjoint derivative RANS codes.
 3. Demonstrating the performance of the above codes on standard test cases.

Dr. Sabareesh G R

1. Title of the project: Developing a web portal for power curve guarantee test
- 2 Funding agency: MYTRAH Energy India
- 3 Total Sanctioned amount: 148995/-
- 4 Duration: 1 year
- 5 Status: completed
6. Area of research : Wind Energy
7. Key words (3-4 max): Wind Energy, Power Curve Guarantee Test, Wind Turbine Performance
8. Objectives:
 1. Developing a Web Portal for Power curve Guarantee Test.
 2. The purpose is to provide a uniform methodology that will ensure consistency, accuracy and reproducibility in the measurement and analysis of power performance by wind turbines.
9. Deliverables: Web portal for power curve guarantee test

Dr. Aruna Malapati

1. Title of the project: Web portal for downloading the reanalysis data & long term correlation with measured data
- 2 Funding agency: MYTRAH Energy India
- 3 Total Sanctioned amount: 148995/-
- 4 Duration: 1 year
- 5 Status: completed
6. Area of research : Software Development
7. Objectives: To be able to download MERRA-2 and ERA data specific to a particular latitude and longitude.
8. Deliverables: A web portal for the same that would have the following -
 1. A Google Map with coordinate markers of all the MERRA-2 and ERA nodes for the respective maps.
 2. Check boxes to check the desired parameters.
 3. The ability to specify the latitude and longitude of the windmill.
 4. The ability to specify the required time duration.
 5. The final data has to be downloaded in the form of an excel file.
 6. If the data was downloaded previously and a similar query is fired in the future then the excel sheet is generated without additional data getting downloaded.

Dr. Soumya J

1. Title of the Project: STRATEGIES FOR FAULT-TOLERANT NETWORK-ON-CHIP DESIGN
2. Funding Agency: DST-SERB under ECR scheme
3. Total Sanctioned amount: Rs. 2593140/-

4. Duration: 3years
5. Status: ongoing
6. Area of research : Engineering Sciences (Embedded Systems)
7. Key words (3-4 max): System-on-Chip, Network-on-Chip, Fault-Tolerance, Application Mapping, Application-Specific NoC, FPGA
8. Objectives:
 - A methodology to gather fault behavior of different NoC topologies
 - Fault-tolerant mapping of applications onto regular NoC topologies like Mesh, Mesh-of-Tree and Butterfly-Fat-Tree
 - Fault-tolerant application-specific NoC synthesis
 - Implementation of the proposed methodologies on FPGA platform and validation with state-of-art methodologies
9. Deliverables:

In this study, methodologies and Techniques for fault-tolerant mapping and synthesis will be developed and implementations of the same on FPGA will also be explored. The interesting findings will be published in top most peer reviewed journals in the field. Due to the nature of the problem, it is very much likely that several industries will be interested. Once the project reaches some level of maturity, relevant companies will be contacted for possible participation/collaboration in the project. Since there are no standard techniques for designing fault-tolerant NoC, the results obtained from the proposed methods can be used as the basis for designing practical systems where the fault occurrences are likely to be more. The FPGA implementation methods can be used as the basis in advanced courses such as Interconnection Networks for developing laboratory experiments. The research results will also be used for demonstration purposes to the interested undergraduate and postgraduate students to explore further.

Dr. Ramakrishna Vadrevu

1. Title of the Project:Protein structure and stability modulation due to In-Cell and InVitro Crowding: Molecularinsights on the origin of the effects of crowding
2. Funding Agency: DST-SERB
3. Total Sanctioned amount: 5436000/-
4. Duration: 3years
5. Status: ongoing
6. Area of research :Life Sciences: Molecular Biolgy/Biophysics
7. Key words :Protein Stability, cellular crowding; NMR
8. Objectives:
 1. To evaluate the structural changes in the presence of two most commonly used crowding agents, Ficoll-70, a 70 kDa a spherical polysaccharide and Dextran, an elongated olysaccharide.
 2. To interrogate the effect on the stability in the presence of the crowding agents (in-vitro approach)and compare with data from dilute buffer conditions.
 3. To obtain residue specific information on the changes in structure and stability under dilutebufferand (in-vitro) crowding conditions (Ficoll& Dextran)
 4. To derive and compare the structural and stability changes under in-cell conditions
9. Deliverables: Deliverables: The proposed project is targeted towards achieving a detailed understanding of consequences of crowding in altering the structure, stability and folding.

At this juncture of contrasting observations and new hypotheses, the proposal is well timed at gaining insights not only on the role of in-vitro crowding butalso on in-cell crowding. The observations obtained from our model system will beextended to representative proteins varying in topology and sizeto draw generalizations.

Prof. Naga Mohan K

Prof. Sajeli Begum A:

- Title of the Project: Investigation of Knowledge on Dengue Fever Followed by Education and its Post Impact Behavioral Changes Among the Rural Communities of Shameerpet Mandal of Ranga Reddy District of Telangana State
2. Funding Agency: ICMR-ICSSR
 3. Total Sanctioned amount: 1089792/-
 4. Duration: 2017-2019
 5. Status: ongoing

6. Area of research: Pharmacy, Economics & Social science
7. Key words (3-4 max): Dengue fever, KAP, rural community, prevention and control
8. Objectives:
 1. To investigate the current knowledge level on dengue fever related to its cause, symptoms, mode of transmission, preventive measures, treatments, etc.
 2. To design and conduct community-based health education interventions for control of dengue fever.
 3. To study the post behavioral changes among the community and evaluate the effectiveness of the community-based education.
9. Deliverables: The existing knowledge and life practices of selected (8 villages) population towards prevention and control of Dengue fever will be upgraded

Dr. Swati Alok

1. Title of the Project: Career Persistence of Indian Women Professionals in Information Technology (IT) Sector: Brakes Accelerators, Challenges and Opportunities
2. Funding Agency: ICSSR
3. Total Sanctioned amount: Rs. 200000 /-
4. Duration: 1 year
5. Status: ongoing
6. Area of research: Management and Economics (Strategy, behavior, policies, development)
7. Key words: Career, Women Professionals, Persistence, Antecedents
8. Objectives:
 - i. To study how the social factor like family support system acts as inhibitors, enablers to career persistence of working women professionals.
 - ii. To explore the role of their internal factors in pursuing career goals.
 - iii. To correlate antecedent's factors (social, internal, structural, socio-demographic) on career attitude and career persistence.
 - iv. To design a framework to create a gender inclusive working environment at the workplace.
9. Deliverables:
 1. Know the enablers and barriers that contribute to career persistence among technical women professionals.
 2. To propose a multi-dimensional framework for stakeholders – individuals, organizations, society and the government for retaining women talent pipeline.

Dr. Swati Biswas

1. Title of the Project: "Understanding the Role of Antimicrobial peptide S100A12 (Calgranulin C) Mediated Host Defense in Pseudomonas Keratitis and Developing Nano-tools for Efficient Delivery of S100A12
2. Funding Agency: DST
3. Total Sanctioned amount: Rs. 5500600 /-
4. Duration: 3 years
5. Status: ongoing
6. Area of research : Drug Delivery to the Eye
7. Key words: ocular, bacterial keratitis, drug delivery, anti-microbial peptide
8. Objectives: The role is to deliver an antimicrobial peptide to the ocular surface following a strategy that would improve the drug retention time in cornea, improve tissue penetration, and result in enhanced therapeutic efficacy
9. Deliverables:
 - a. Development of formulation strategies to deliver an antimicrobial peptide in cornea
 - b. Development of peptide nano-formulations for the treatment of bacterial keratitis

Dr. Mohan SC

1. Title of the Project: Improving the seismic performance of dynamically similar buildings using damper connected control technique
2. Funding Agency: DST-SERB
3. Total Sanctioned amount: Rs.4314540
4. Duration: 36 months
5. Status: ongoing

6. Area of research : Earthquake Engineering

7. Key words :Seismic performance, dynamically similar buildings, coupling technique, optimal damper configuration

8. Objectives:

- To find an economically efficient way of connecting the dampers between the dynamically similar buildings to improve their seismic performance.
- To numerically compute and compare the seismic response of two dynamically similar adjacent buildings connected through dampers with different configurations.
- To identify the optimum number of dampers and optimal damper locations for each of its configurations, that can make the system more efficient to resist earthquake.
- To verify the effectiveness of the proposed technique through experimental study and correlating with numerical results.

9. Deliverables:

- A connected control technique for improving the seismic performance of similar adjacent buildings using damper connection.
- Methodology to find the optimal damper connection location for effective reduction of seismic response.
- Experimental verification of the proposed technique on prototype structures tested using shake table and comparative report with numerical results.

Dr. Sumit Kumar Vishwakarma

1. Title of the Project: Comparison of Phase velocities of Rayleigh waves, Love waves and Torsional waves in various anisotropic geo-media

2. Funding Agency: SERB-DST

3. Total Sanctioned amount: 1366800

4. Duration: 3 years (2017-2020)

5. Status: ongoing

6. Area of research : Seismic Wave Propagation/ Seismology

7. Key words (3-4 max): Rayleigh waves, Love waves, Torsional waves, phase velocity, dispersion equation, anisotropic medium

8. Objectives:

- To find the dispersion equation of Love wave, torsional wave, Rayleigh waves, P and S wave in fluid saturated porous medium, monoclinic medium, orthotropic medium and reinforced medium.
- To evaluate the effect of initial stress (tensile and compressive), corrugated boundary planes, rigid surfaces and gravity on the seismic wave propagation.
- To investigate the reflection and refraction of seismic waves in different medium especially when medium exhibits in homogeneity in various forms.
- Stoneley wave and G-type seismic wave will be attempted to investigate.
- Propagation of cracks due to seismic waves in various medium will also be investigated.

9. Deliverables:

- Frequency equations involving inhomogeneous parameters and their mutual relationship with the rigidity, density and phase velocity of the waves.
- Impact of Initial stress, corrugated boundary planes and gravity on the Group velocity and phase velocity of the waves.
- Graphical user Interface based on the outcomes of the derived results.
- Effect of rigid boundary plane on the propagation of Seismic wave through various geo-media.
- Propagation characteristic of Stoneley & G-type wave.
- Movement of cracks and punches due to seismic waves in various medium.
- Important information about the layered earth structure and boundary surfaces.
- Help in information about the configuration of rocks for exploration of petroleum, earthquake disaster prevention and signal processing.

Dr. R .Parameshwaran

1. Title of the Project: Cryogenically-conditioned micro and nanoencapsulated phase change material Slurries for cool thermal energy storage applications

2. Funding Agency: DST-SERB ECR

3. Total Sanctioned amount: 2776340/-

4. Duration: 3years
5. Status: ongoing
6. Area of research : Thermal Energy Storage, Nano and Micro encapsulation, Energy Efficiency in Buildings.
7. Key words (3-4 max): Phase change material slurries, cryogenically conditioned, Microencapsulation, nanoencapsulation, Thermal and thermophysical properties
- 8.Objectives:
 - To develop cryogenically conditioned micro and nanoencapsulated phase change materials
 - as slurries for cool thermal energy storage.
 - To address the challenges related to the wide operating temperature ranges of the (Cryo-CMS) from cryogenic temperatures (~77 K) to the room temperature (~283 K).
 - To study, characterize and demonstrate the properties of thermal storage, thermo-kinetic,
 - heat transfer enhancements and rheology of the Cryo-PCMS for CTES applications
 - through optimal design, simulations and experimentation.
9. Deliverables: Research publications, Ph.D./M.Tech Dissertation, Technical documents, Process Improvement, Efficiency improvement

Prof. N. Rajesh

1. Title of the Project: Efficacy of Appropriately Tailored Biopolymer and Carbonaceous Adsorbents for the Separation and Recovery of Europium
2. Principal Investigator: Prof.N.Rajesh
3. Funding Agency: Department of Science and Technology (DST), India
4. Total Sanctioned amount:29059370/-
5. Duration: 3 years (2017-2020)
6. Status: Ongoing
7. Area of research: Inorganic chemistry
8. Key words (3-4 max): Europium, Extraction, Recovery
- 9 Objectives:
 - Isolation / Selection of few representative microbial strains
 - Immobilization of the above microorganisms / biomasses in typical biopolymers (e.g., chitosan, cellulose/cyclodextrin etc.), and graphene oxide.
 - Regeneration of the adsorbents through selective recovery of europium
 - Application studies to recover europium from phosphor powder as well as from fluorescent lamps and a simulated radioactive waste.
10. Deliverables:
 - This directed application oriented research to emerge as a viable alternative to conventional solvent extraction in the technological recovery and recycling of precious rare earths.
 - The methods would be applied to recover Europium selectively from phosphor powder and from a simulated radioactive waste.
 - The research outcome is expected to lead to the award of PhD for the selected project fellow. The results of the research work would be presented in national and international conferences and also published in peer reviewed high impact international journals.

Dr. ArshadJaved

1. Title of the Project:Application of topology optimization to enhance energy efficiency and performance of industrial manipulator
2. Funding Agency: DST
3. Total Sanctioned amount:Rs. 29,43,600/-
4. Duration:3 years (03-Aug-2017 to 03-Aug-2020)
5. Status: ongoing
6. Area of research: Topology Optimization, Industrial Robotics
7. Key words : Industrial robot, Energy efficiency, Topology optimization, Lightweight robot arm
8. Objectives:
 - Develop a methodology for topology optimization of robotic-links.
 - Design lightweight robotic-links using the developed methodology.
 - Develop a relation between topology optimization parameters, robot performance and energy consumption.

- Develop a methodology (or guideline) for material reduction from moving mass of a readymade industrial robot.
- Develop an experimental setup for topologically optimized 3-degree of freedom TRR-manipulator to validate the methodology.

9. Deliverables:

- Obtain a generic methodology to develop light weight robotic-links for less energy consumption and higher accuracy
- Achieving a methodology or guideline to reduce the weight of an existing (readymade) industrial robot.
- With the help of lightweight industrial robot the energy consumption will be reduce by at least 10-20%.
- Development of online sensing system for link-parameter.
- Peer reviewed Journal Publication – 1 to 2
- Conference Publications – 2
- Ph.D.-1
- UG & PG projects – 2

Dr. Balaram Ghosh

1. Title of the Project: Development of HDAC3 selective inhibitor for enhancement of learning and memory
2. Funding Agency: SERB (DST)
3. Total Sanctioned amount: Rs. 29.87 Lakhs
4. Duration: August 2017 to July 2020
5. Status: ongoing
6. Area of research : Medicinal Chemistry
7. Key words HDAC3 inhibitor, learning and memory, epigenetics
8. Objectives: Development of learning and memory enhancing molecules
9. Deliverables: therapeutics for the patients with learning and memory deficits.

Dr. SouvikKundu

1. Title of the Project: METAL-OXIDE AND NANOCOMPOSITE BASED LOW-POWER NON-VOLATILE SWITCHING DEVICE: A NOVEL APPROACH
2. Funding Agency: BOARD OF RESEARCH IN NUCLEAR SCIENCES (BRNS), GOVERNMENT OF INDIA, DEPARTMENT OF ATOMIC ENERGY (DAE)
3. Total Sanctioned amount: 34,90,650/- Rs.
4. Duration: 3 Years (2017 to 2020)
5. Status: ongoing
6. Area of research: Electronic Devices
7. Key words (3-4 max): Non-volatile memory, Resistive Switching, Electronic Materials
8. Objectives: The main objective of this project proposal is to develop a resistive non-volatile switching memory both on rigid as well as flexible substrates which can retain the electronic charges for long time, operate at very high-speed and offer low-voltages of operation and also to understand key design rules during fabrication process through modelling/simulation routes to evaluate the electronic materials and device performances.
9. Deliverables: A. Technical: Research agenda: The most important parameters which are required in NVM devices are the improvement in resistive switching, retention time, endurance, on/off ratio, and crossbar issues. However, simple and low cost processing technology is required towards fabrication of low power NVM devices. Thus, these competing factors of performance, economics, and reliability have to be addressed in the optimum manner to provide further advancement of NVMs.
Task I: Development of the optimum fabrication process
Task II: Fundamental understanding of the NVM working mechanism
Task III: Understanding the structure-property relationships
B. Knowledge Dissemination
International Journal publications: 3; Conference publications: 3; Research Fellow: 1; UG/PG Thesis: 2

Dr. Sabareesh G R

1. Title of the Project: Development of meta-material base support
2. Funding Agency: Defense Machinery Development Establishment (DMDE), DRDO
3. Total Sanctioned amount: Rs 13,80,000

4. Duration: 15 months
5. Status: ongoing
6. Area of research : Mechanical Engineering- Vibrations
7. Key words Vibration Isolation, Meta-material Structures, Visco-elastic materials, Rotating Machinery
8. Objectives:
 - Develop an experimental test piece of the meta-material beam, characterise it by obtaining FRF of beams
tip deflection for different base excitation, compare the amplitude of vibration attenuation with that of a normal identical beam
 - Examine the damping characteristics and wave propagation characteristics and develop a 1-D mathematical model of the same and validate with experimental results
 - Extend the 1-D model to 2-D model and then compare the results with the experimental case
 - Manufacture a base isolation system using the meta-material beam, test it by mounting the same below a rotating machinery and examine its damping and wave propagation characteristics
9. Deliverables: A meta-material base isolation system capable of attenuating vibrations from structure

Prof. Manab Chakravarty

1. Title of the Project: Investigations on naphthalene and anthracene based phosphonates/ phosphates: important sources for alkene based new AIEgens and polyarylalkanes
2. Funding Agency: CSIR
3. Total Sanctioned amount: 1700000/-
4. Duration: 3 years
5. Status: ongoing
6. Area of research :Organo-physical chemistry
7. Key words (3-4 max): Fluorescence, phosphonates, anthracene, naphthalene
8. Objectives:
 - (i) To synthesize few additional naphthyl or anthracenylphosphonates by using our recently developed acid-mediated arylation approach
 - (ii) To apply these phosphonates in reacting with a base to produce phosphonate carbanion that is conveniently oxidized to produce aldehydes or ketones by oxygenation (oxy-Wittig) reactions. Thus, we will produce the corresponding new naphthalene or anthracene linked ketones which will satisfy the demand in the diversity of ketones
 - (iii) These ketones will be used in low valentTi(0) based McMurry coupling, Corey-Fuchs, and the two-step reaction sequence to produce a variety of bulkier alkenes. The synthesized alkenes will be studied for AIE activity and the probable reason will be explored by single crystal X-ray analysis, fluorescence lifetime measurement etc.
 - (iv) Completely new tetra-anthracenylalkene and anthracenylheteroaryl tri/tetraalkenes will be synthesized using McMurry homo coupling reactions using the dianthracenylketones and the photophysical studies will be conducted for these new alkenes
 - (v) Being an important core, pyrene will be introduced to these alkene systems as a new substituents and study the fluorescence properties. In fact, one alkene can be substituted with all three (anthracene, pyrene and also naphthalene) polyaromatic hydrocarbons (PAH) and that could be an important PAH material
 - (vi) All these compounds will be screened for selective metal ions (mainly hetero atom linked compounds), explosive and nonpolar volatile organic compound sensing and possibly for biological imaging applications
 - (vii) The naphthyl and anthracene based carbonyl compounds will be utilized in phospho-Brook rearrangement to generate phosphates and the same will be utilized in Friedel-Crafts arylation reactions to produce polyarylalkanes conveniently.
 - (viii)The polyarylalkanes will be studied to verify its AIE activity as a new entity although there is no extended conjugation; however, these compounds will probably show interesting photophysical properties due to the presence of fluorophore in the system and will also be screened as anticancer agents. The diarylalkanes can also be utilized to generate the corresponding alkenes by two-step reaction sequence as mentioned above.
9. Deliverables: The organic functional materials are expected to come out at the end of this project. Some of these anthracene/ naphthalene based compounds would be useful for the industry related to organic light emitting diode applications. In fact, the light emitting materials in the solid state will be interesting for most of the organic electronics related companies such as GE. In addition, the polyarylalkanes will draw the attention to the pharmaceutical industry.

Dr. V. Vamsi Krishna Venuganti:

1. Title of the Project: Preparations and Characterization of a topical gel formulation of topical gel formulation of IS107
2. Funding Agency: ISSAR Pharmaceuticals
3. Total Sanctioned amount: 563500 /-
4. Duration: 6months
5. Status: ongoing
6. Area of research : Formulations development
7. Key words: Topical application, hydrogel formulations peptide drugs
8. Objectives: To prepare a stable hydrogel formulations for topical application of peptide drug
9. Deliverables: Formulations development

Dr. V. Vamsi Krishna Venuganti:

1. Title of the Project: Development and characterization of a topical formulations
2. Funding Agency: ISSAR Pharmaceuticals
3. Total Sanctioned amount: 979400 /-
4. Duration: 12months
5. Status: ongoing
6. Area of research : Formulations development
7. Key words: Topical application, hydrogel formulations peptide drugs
8. Objectives: To prepare a stable hydrogel formulations for topical application of peptide drug
9. Deliverables: Formulations development

Dr. V. Vamsi Krishna Venuganti:

1. Title of the Project: Transcutaneous delivery of liraglutide using zeinmicroneedle array
2. Funding Agency: NatcoPharma
3. Total Sanctioned amount: 2242500 /-
4. Duration: 12months
5. Status: ongoing
6. Area of research : Drug delivery
7. Key words: Transdermal drug delivery peptide drugs
8. Objectives: To design, fabricate and develop delivery device to transport peptide drug through skin
9. Deliverables: Development of new drug delivery device

Dr. V. Vamsi Krishna Venuganti:

1. Title of the Project: Development of pH-responsive smart capsule containing targeted multilayer film for drug delivery: The proof-of-concept study in colorectal cancer model .
2. Funding Agency: DST-SERB
3. Total Sanctioned amount: 5554225/-
4. Duration: 36months
5. Status: ongoing
6. Area of research : Drug delivery
7. Key words: Cancer, drug delivery, targeting
8. Objectives: To prepare capsule-based system to delivery chemotherapeutics to colorectal cancer Effectively
9. Deliverables: Development of new drug delivery system

Dr. K Rajitha

1. Title of the Project: Coastal wetland characterization using L and S band polarimetric SAR data
2. Funding Agency: Department of Space, Space Application Center
3. Total Sanctioned amount: 1358000/-
4. Duration: 3 Years
5. Status: ongoing
6. Area of research : Microwave remote sensing of coastal wetland identification using airborne data

7. Key words (3-4 max): SAR, wetlands, L and S band

8. Objectives: To devise a vertical system based classification scheme using hierarchy approach for coastal wetlands by combining the optimal SAR parameters derived from the current study and existing spectrally derived classes by adopting the decision tree classification method.

9. Deliverables: The project targets to modify the existing classification scheme of coastal wetlands by adding more parameters related to hydrology and vegetation characteristics of coastal wetland which are vital for understanding the bio-geo-chemical cycle of the wetland eco-system.

Dr. Karthik Chethan V

1. Title of the Project: Comparison of phenolic resin from two sources for their properties

2. Funding Agency: Advanced Systems Laboratory, DRDO-cars, Hyderabad

3. Total Sanctioned amount: Rs. 979200/-

4. Duration: 12 months

5. Status: ongoing

6. Area of research : Advanced Composites (Materials Science)

7. Key words : Phenolic Composites, polymerization, Porosity and Materials Characterization

8. Objectives:

- To evaluate neat uncured resin obtained from two sources for physical and chemical properties.
- To study and compare the cure behavior and pore evolution of resins obtained from two sources.
- To study and compare the physical and thermal properties of cured samples of resins obtained from two sources.

9. Deliverables:

- i. Physical and chemical characterization of resins obtained from two sources (viscosity, solid resin content, point of trouble, free phenol and formaldehyde content, hydroxyl value, sodium content and molecular structure will be conducted and studied).
- ii. Cure behavior and pore evolution of resins obtained from two sources (gel times, cure kinetics, degree of cure and pore evolution will be conducted and studied for different time-temperature profiles).
- iii. Physical and chemical characterization of cured resins obtained from two sources (density, molecular structure, heat capacity, glass transition temperature, thermal conductivity and thermal

8. Research Related Seminar/ workshop conducted during the year 2017

Pilani Campus

S.No	Title of Seminar	Name of Department	Date
1.	basic principle of Flow Cytometry preceded hands on experimental demonstration of some selected FACS based experiments	Biological Sciences	18th -19th Jan 2017
2.	Introduction to Matlab and Simulink for Chemical Engineers	Chemical Engineering	February 4-5, 2017
3.	3 rd Workshop on Analytical Instruments for Chemical and Environmental Engineers (WAICEE – 2017)	Chemical Engineering	February 10-11, 2017
4.	Nano & Functional Materials: Interface between Science & Engineering (NFM-2017)	Department of Chemistry	16-18 November 2017
5.	Expert Lecture on Road Safety Issues and Case Studies on Road Safety and an Overview of Highway Capacity Studies	Civil Engineering	April 24, 2017
6.	State-of-the-Art on NDT Techniques of Pavement Evaluation and Innovation of Pavement Technologies for Construction and Maintenance	Civil Engineering	September 18, 2017
7.	Contemporary Themes in India's Economic Development & the Economic Survey (Krishna M.)	Ministry of Finance, Government of India	11-17 June 2017
8.	Kerala's Development Experience (Krishna M.)	University of Calicut	10-11 January 2017
9.	Eco Mod Modeling School course on Energy and Environmental CGE Modelingwith GAMS (Monika Gupta)	Eco Mod Modeling School in cooperation with the Singapore Institute of Statistics c/o Dept of Statistics and Applied Probability, National University of Singapore (NUS)	15 th Jan to 19 th Jan 2018
10.	System Dynamics Summer School (Monika Gupta)	System Dynamic Society at Massachusetts Institute of Technology (MIT)	11 th to 14 th July, 2017
11.	"Specifications to Silicon" by Mr. H.S. Jatana, Scientist/Engineer 'G', Group Head – Design & Process Group, SCL, Mohali), Dept of Space, Govt. of India, was the resource person.	EEE	28 th Oct. 2017
12.	CMOS Technology - Past, Present and Future, conducted by Prof. SouvikMahapatra, Professor at IIT Bombay	EEE	17 th Nov. 2017
13.	Pilot study: The need and approach	Management	9 Feb 2017
14.	Exploring positive organizational practices in Indian Engineering and Technology Institutes: The common coding paradigm approach	Management	9 Feb 2017
15.	Use of Social Media for Political Engagement: A Literature Review	Management	9 Feb 2017
16.	An overview of Government Policies and Programmes for Promoting Women Entrepreneurship in India	Management	16 Feb 2017
17.	Promoting Environmentally Sustainable Consumption Behaviour: An Intervention Study	Management	16 Feb 2017
18.	Assessing the dimensions of the Ethical leadership, Machiavellianism and Organisational Climate	Management	23 Feb 2017
19.	Select studies on scale development for Service Quality	Management	23 Feb 2017
20.	Examining the Linkage between Employee Creativity and Employee Engagement	Management	2 March2017
21.	A study of antecedents of luxury consumption among young Indian luxury consumers	Management	28 March 2017
22.	A study on Evolution and diffusion of Information and communication technology (ICT)	Management	20 April 2017

23.	Investigation of antecedents of luxury consumption in India	Management	20 April 2017
24.	Asset Liability Management- A review of theories and models	Management	20 April 2017
25.	Women Entrepreneurship in Indian MSME's: Questionnaire Development	Management	27 April 2017
26.	An investigation of Knowledge Management impact on Competitiveness: An empirical study of Indian Cement Industry	Management	1 May 2017
27.	Review of Innovation Indices	Management	1 May 2017
28.	Bass model and further refinement in the field of ICT diffusion	Management	2 May 2017
29.	Non-Performing Loans from an ALM perspective in the context of Indian commercial banking system	Management	2 May 2017
31.	Literature review on Business Excellence	Management	8 May 2017
32.	Dimensions for assessing Business Intelligence and Analytics (BI&A) maturity level	Management	5 May 2017
33.	Strategic Sourcing from Risk Management Perspective : A Study of Indian Automobile	Management	5May 2017
34.	Review of latest developments in the field of Psychological Capital and Organizational Virtuosity.	Management	12 Sep 2017
35.	Bank Risk and Moral hazard in the Indian Commercial Banking System	Management	12 Sep 2017
36.	Framework for estimation of demand model	Management	12 Sep 2017
37.	Social Cognitive Determinants of ESCB: A Structural Equation Analysis	Management	12 Sep 2017
38.	Progress on Exhaustive literature review on Service Quality Dimensions of Indian Automotive after sales market	Management	18 Sep 2017
39.	Understanding how multi-sided platform firms have solved penguin problems	Management	18 Sep 2017
40.	Service Quality Literature: A Review	Management	21 Sep 2017
41.	Identifying various tools for pilot study in determining the antecedents and outcomes of the organizational climate.	Management	21 Sep 2017
42.	Working Capital Management	Management	21 Sep 2017
43.	Women Entrepreneurship in Indian MSME's: Questionnaire Development & Framework for the Study	Management	21 Sep 2017
44.	Role of Vanity and the Mediating Effect of Brand Consciousness in Luxury Consumption	Management	21 Sep 2017
45.	Employee Engagement and Employee Creativity: Data Collection & Initial Findings	Management	21 Sep 2017
46.	Business Excellence studies in India during last two decades	Management	21 Sep 2017
47.	Facility Layout Problem (FLP) Review	Management	23 Sep 2017
48.	Convergence of Management Practices in India's I.T. Sector - The Mirage and the Myopia of Managerial Perception	Management	5 Oct 2017
49.	Stakeholder Engagement Framework for Risk Management	Management	7 Oct 2017
50.	Optimal pricing strategies for two successive generations of consumer durables	Management	18 Oct 2017
51.	Evaluating Learning Styles	Management	30 Oct 2017
52.	Identifying factors for assessment of Business Intelligence and Analytics (BI&A) maturity in organizations	Management	30 Oct 2017
53.	Descriptive Statistics - What and Why?	Management	2 Nov 2017
54.	Analysis of Non-performing loan behavior in Indian banking	Management	2 Nov 2017
55.	Diffusion of mobile telephony in India	Management	2 Nov 2017
56.	Review of various scales for organizational commitment	Management	2 Nov 2017
57.	Social Comparison And Need For Uniqueness In Luxury Consumption: The Scarcity Cycle	Management	2 Nov 2017

S.No	Title of Seminar	Name of Department	Date
58.	Working Capital Management and Profitability	Management	3 Nov 2017
59.	Psychologically Healthy Workplace" practices: Fostering workplace well-being.	Management	3 Nov 2017
60.	A Comparative Study on tools/instruments used for organizational culture and retention	Management	24 Nov 2017
61.	Analyses of Multiple Indian Healthcare Platform firms	Management	24 Nov 2017
62.	Challenges and Issues faced by Indian SMEs	Management	24 Nov 2017
63.	Facility Layout Problem (FLP) literature Review	Management	25 Nov 2017
64.	Progress on literature review on Service Quality Dimensions of Indian Automotive after sales market	Management	29 Nov 2017
65.	An investigation of Knowledge Management impact on Competitiveness: An empirical study of Indian Cement Industry	Management	4 Dec 2017
66.	A Review of Innovation Maturity Models	Management	8 Dec 2017
67.	Symposium on Operation Research and Pure Mathematics	Mathematics	February 26, 2017.
68.	International Conference on Challenges In Drug Discovery And Delivery (ICCD3)	Pharmacy	March 2-4, 2017
69.	Pharmacokinetic and Pharmacodynamic Studies, Modelling & Simulation	Pharmacy	September 8-9, 2017
70.	Conference on DNA Physics	Physics	9-11 March, 2017
71.	National Conference on Solid State Ionics (NCSSI-12)	Physics	21-23 December, 2017
72.	Two day workshop on "Fracture, Fatigue and Creep related life prediction techniques".	Department of Mechanical Engineering	18-19 February 2017.
73.	CSIR sponsored 2 day workshop on "Applications of Advanced Computational Methods in Engineering"	Department of Mechanical Engineering	28-29 March 2017.
74.	5 th Indo-German Workshop on "Skilling and shaping India Towards Smart Manufacturing Industry 4.0"	Department of Mechanical Engineering	12 th September 2017
75.	Two day Workshop on "Additive Manufacturing and Recent trends"	Department of Mechanical Engineering	30-31 October 2017.
76.	Joint Indo-German Conference on 'Sustainable Engineering'	Department of Mechanical Engineering	15-16 September, 2017.
77.	Invited talk on Sustainable supply chain management: current trends and future direction by Prof. Kannan Govindan, SDU Denmark	Department of Mechanical Engineering	1st Sept.2017
78.	Invited talk on Sustainable Manufacturing in Machining by Prof.Manbir Sodiis, University of Rhodes Island, East Bay, US.	Department of Mechanical Engineering	12 November 2017

Goa Campus:

S.No	Title of Seminar	Name of Department	Date
1	Veeky Baths , The 4 th International workshop on multi-modal cognition was organized by the Cognitive Neuroscience Lab, Department of Biological Sciences, BITS Pilani K K Birla Goa Campus from 3 rd – 4 th of March, 2017.	Biological sciences	3 rd – 4 th of March, 2017.
2	National workshop on “Experimental Methods in Cognitive Neuroscience” was organized by the Cognitive Neuroscience Lab, Department of Biological Sciences, BITSPilani, K K Birla Goa Campus from 15 th – 16 th December, 2017	Biological sciences	15 th – 16 th December, 2017
3	New Frontiers in Chemistry From Fundamental to Applications-II (NFCFA 2017), BITS-Pilani, K.K.Birla Goa Campus during January 28-29, 2017	Chemistry	January 28-29, 2017
4	Recent Trends in Chemistry: Students’ Meet-2017	Chemistry	26th February, 2017
5	One day workshop on "Introduction to MATHEMATICA"	Mathematics	3 rd – March -2017
6	“ Indo-German Pre-Conference School on Algorithms and Combinatorics” and 3 rd International Conference on “Algorithms and Discrete Applied Mathematics (CALDAM-2017)”	Mathematics	13 th to 18 th – Feb -2017
7	Workshop for College/University Teachers: Teaching Strategies in Mathematics	Mathematics	28 th to 29 th -April - 2017
8	Prof. Rekha P. Kulkarni, Department of Mathematics, Indian Institute of Technology Bombay delivered a lecture on "Approximate Solution of Integral Equations: Improvement by Iteration"	Mathematics	November 30, 2017
9	Prof. G. D. VeerappaGowda, TIFR-Centre for Applicable Mathematics, Bangalore delivered a lecture series on "Finite Difference Schemes for Approximating Hyperbolic Conservation Laws".	Mathematics	November 17-19, 2017,
10	Dr. SamikBasu, Assistant Professor, Department of Mathematics, Ramkrishna mission, Vivekanand University, Calcutta, delivered a lecture on "Equivariant cell complexes and freeness theorems".	Mathematics	September 28, 2017
11	Prof. V. SreeHariRao, Director, International Center for Interdisciplinary Research & Innovation, Hyderabad, delivered a lecture on "Perspectives of Predictive Modeling for Real World Problems".	Mathematics	September 19, 2017
12	Dr. SachindranathJayaraman, Assistant Professor, School of Mathematics, IISER Trivandrum, delivered a lecture on "Semipositivity of matrices and their preservers".	Mathematics	August 29, 2017
13	Dr. Shameek Paul, Visiting Fellow, HomiBhabha Center for Science Education, Mumbai delivered a lecture on "Dealing with Quotients".	Mathematics	August 24, 2017
14	Prof. ShantaLaishram, Stat. Math Unit, Indian Statistical Institute (ISID), New Delhi delivered a lecture on "Prime Numbers and Cryptography".	Mathematics	April 25, 2017
15	Prof. S. Thangavelu, Department of Mathematics, IISc Bangalore delivered a lecture on "Hardy’s Inequality".	Mathematics	April 13, 2017
16	Dr. Luz Roncal (BCAM Researcher), Basque Center for Applied Mathematics (BCAM), Bilbao, Spain delivered a lecture on "A generalized spherical mean Radon transform acting on radial functions".	Mathematics	April 11, 2017
17	Dr. AmiyaRanjanBhowmick, Assistant Professor, Department of Mathematics, ICT Mumbai delivered a lecture on "Evolution of Model Specific Growth Rate: Theoretical Analysis and Application to Real Data".	Mathematics	March 23, 2017
18	Mr. Deepak Garud and his team from Binary Semantics Ltd.Mumbai gave a talk on 'Introduction to Maple'	Mathematics	February 17, 2017
19	Prof. Anant R. Shastri, Emeritus Fellow, Department of Mathematics, IIT Bombay delivered a lecture on "Linear Algebra Proof of Fundamental Theorem of Algebra".	Mathematics	January 27, 2017,
20	S D Manjare and S SBaral : Conducted (as the coordinator) two days’ workshop on Process Modeling and Simulation for Industries & academicians at KK Birla Goa Campus. Around 25 participants from various industries and universities participated in the workshop	Chemical Engineering	21st-22nd December 2017

S.No	Title of Seminar	Name of Department	Date
21	Tirtharaj Dash: Member of Organizing Committee for International Conf. on Computational Intelligence (ICCI 2017) at IIT Kanpur, India (December 6-8, 2017)	CS & IS	December 6-8, 2017
22	Santonu Sarkar: Organizer, 2nd International Workshop on Software Engineering Methods for Parallel and High Performance Applications (http://periscope.in.tum.de/sem4hpc/) at Washington DC USA, colocated with 26th HPDC 2017.	CS & IS	
23	Santonu Sarkar and Nenad Medvidovic (USC)- Program chairs of 10th Innovations in Software Engineering Conference (ACM India)	CS & IS	
24	Invited-Talk title, "Future of TCAD", by Prof. Dinesh Sharma, Professor of Microelectronics, Dept. of EE, IIT Bombay, (25 August 2017).	EEE	25 August 2017
25	Seminar on the Google Summer of Code (05 August 2017) Tech-Talk	EEE	05 August 2017
26	Lumini 2017 (24 September 2017) – fully sponsored by IEEE Bombay Section List of speakers Prajyot Mankar, Google Developers, Lead, known as Android Man, he is the only Indian to visit the Google IO Conference (last year). Topic of Talk: "Developing Apps for India" Sumedha Limaye, Engineering Director at Intel. She specializes in Circuit Design, CAD and Methodology. Topic of Talk: Talk - "Research And Development in Technology" Subodh Gajare, Senior Solutions Architect in Cisco. Highly experienced in the fields of Cloud Computing, Internet of Things, Big Data and Analytics. Topic of Talk - "IoT and its applications" Srilakshmi Subramaniam, Senior Technical Leader at Ericsson, Topic of Talk: "IoT in Automobiles" Rakesh Hariharan, Senior Solutions Architect, Texas Instruments. Topic of Talk - "Future Technology Landscape: The TI Influence" Anand Gharpure, President of IEEE Young Professionals, Topic of Talk - "How to read Data Sheets"	EEE	24 September 2017
27	55th National Metallurgist Day and 71 st Annual Technical Meeting (Annual Mega Event of Indian Institute of Metals (IIM)) (D M KULKARNI)	Mechanical Engineering	11-14-Nov, 2017
28	BITS Goa Economics Conclave (20 th -21 st March 2017).	Economics	20 th -21 st March 2017
29	Seminar on Technical Analysis on Nov 14-2017.	Economics	Nov 14-2017
30	3rd - 4th, Nov 2017: Workshop on Use of Statistical Package for the Social Sciences (SPSS)	Economics	3rd - 4th, Nov 2017
31	Invited talk by Prof. Arun Kumar (Malcolm S Adiseshiah Chair Prof, Inst. of Social Sciences) - Demonitization, GST and Black Economy: Marginalizing the marginal	Economics	27 Nov 2017
32	Invited Lecture, Speaker: Prof. Babu Nahata, Professor of Economics, University of Louisville, Kentucky, USA, Title of the talk: Pay-What-You-Want Pricing under Competition: Breaking the Bertrand Trap	Economics	October 2017
33	Training on ProwessIQ, Resource Person: Premish Gangadhar Dekate, CMIE.	Economics	14 Sept 2017
34	Guest Seminar- "Information & Environment". Speaker: Padma Bhusan Recipient Prof. Madhav Gadgil (Center for Ecological Sciences, Indian Institute of Science, Bangalore)	Economics	24th March 2017
35	Digital Heritage of Architectural heritage of Goa: Tracing Cultural, Religious, and Regional Influences as Exhibited in Goan Monuments. Presented at Indian Heritage in Digital Space Workshop held by DST. BISR Jaipur. Person: Dr. Geetha B.	HSS	15 -16 th July 2017

Hyderabad Campus

S.No	Title of Seminar	Name of Department	Date
1	National Symposium on Convergence of Chemistry and Materials 2017	Chemistry	Nov 2016
2	Home Automation Workshop	Mechanical Engg	
3	I-Navigate Workshop	ARC	
4	Ethical hacking workshop	CS & IS	
5	PCB Workshop	EEE	12 Feb 2017
6	Quant Alpha Model Workshop	EEE	12 Feb 2017
7	Workshop by Nomura Executives	Eco nomics	12 Feb 2017
8	Workshop on engineering graphics	Mechanical & Civil Engg	2-3 Jan 2017
9	Workshop on structuring a science paper and using reference manager,	ARD	18 Nov 2017
10	24 th National and 2 nd International ISHMT	Mechanical Engg	Dec 2017
11	Conference on drug discovery and delivery	Pharmacy	
12.	Workshop-cum-Training Program on Urban Flood Management:	Civil Engg	3-4 Mar 2017

Dubai Campus-

S.No	Title of Seminar	Name of Department	Date
1	Two-Days Workshop on "Industrial Applications of Decision Making Methods and Optimization Techniques" by Prof R V Rao	Mechanical Engineering	17-18 November 2017
2	International conference on Recent Advances in Materials & Manufacturing Technologies (IMMT) 2017 (Convened by Dr Vincent Shantha Kumar/Prof R Karthikeyan)	Mechanical Engineering	28-29 November 2017
3	"Guidelines to Publish Research Papers in Reputed International Journals" by Prof R V Rao	Mechanical Engineering	7 th September 2017
4	Defects in Polymer Electrolyte Memberane and Its Effect of Fuel Cell Performance by Dr. Naveen Shrivastava	Mechanical Engineering	8 th March 2017
5	An Experimental Study of Particle Laden Jet Interactions with Cocurrent Flow.by Prof. C. Perisamy	Mechanical Engineering	15 th March 2017
6	Experimental Investigations of Ultrasonic Assisted Abrasive Flow Machining by Dr. Gudipadu Venkatesh	Mechanical Engineering	29 th March 2017
7	Highly-stretchable 3D-architected Mechanical Metamaterials by Dr. Priyank Upadhyaya	Mechanical Engineering	26 th April 2017
8	An Arduino workshop	EEE	15th & 16th April 2016
9	Industrial Automation using SCADA	EEE	10th May 2016
10	Accelerating Discoveries with Big Data and Supercomputing	EEE	4th Sep 2016
11	Innovations and Pathway	EEE	25th Sep 2016
12	Power System Analysis & simulation	EEE	14th Nov 2016
13	Design and Debug of Embedded Systems	EEE	20th Nov 2016
14	Clinical Utility of Point of Care Analyzer in Health care Setup	EEE	21st Nov 2016
15	Verilog Programming Training	EEE	20th to 29th Nov 2016
16	PSPICE	EEE	11th March 2017
17	Multisim	EEE	29th April 2017
18	Computational Nanotech	EEE	26.08.2017
19	Surgical Robots	EEE	05.10.17
20	Vigilance Assessment and Enhancement Using Multi-Sensory Interactive Physiological Inputs	EEE	21.11.17
21	Innovations and Pathway in Nanoelectronics	EEE	26.11.17

9. Research Publications

Faculty members have published several research papers in International and National Journals & conference proceedings. Annexure 4 lists the research publications in journals, books, books chapters & other publications. List of faculty members who presented papers at various conferences, delivered invited talks are given in Annexure 5.

10 Patents filed by BITS During 2017

S.No.	Name of Inventors	Department	Title	Patent Application Number
Pilani campus				
1.	Prof. Rajiv Gupta , and Keyur Kapadia	Department of Civil Engineering,	A Reservoir System For Underground Water Storage	201711045481
2.	Dr. Anupama Mittal , Italiya Kishan Shamjibhai, Samrat Mazumdar, Dr. Deepak Chitkara	Department of Pharmacy	Surfactant-free, self-assembling micelles of fatty acid conjugate to hydrophilic drug and method for preparing the same	201711044842
3.	Prof. S. K. Verma, Prof. V. K. Chaubey G. Rajahari , IC Design Group, CEERI, Pilani Bose Subhash Chandra , IC Design Group, CEERI, Pilani	Biological Sciences Electrical and Electronics Engineering, BITS Pilani - Pilani Campus IC Design Group, CEERI, Pilani - 333031	Arsenic Detection System, Method, And Test Kit Thereof	201711024371
4.	Prof. Singh Shamsher Bahadur , Munjal Pankaj	Department of Civil Engineering	System and method of reinforcement of masonry structures using DFRCC sheets	201711014301
5.	Prof. Singh Shamsher Bahadur , Munjal Pankaj	Department of Civil Engineering	System and method of reinforcement of masonry structures using FRP laminates	201711014300
6.	Dr. Anupam Singhal, Dr. Rajiv Gupta and Mr. Arun Nihal Singh	Department of Civil Engineering.	A formulation for reduction of fluoride and total dissolved solids in water and process for reduction thereof	201711011204
7.	Dr. M. S. Soni ; Mr. Nikhil Gakkhar and Mr. Sanjeev Jakhar	Department of Mechanical Engineering	A Liquid-Cooled Hybrid Solar Energy Collector	201711010510
KK Birla Goa campus				
8.	Pravin Singru; Appurv Gupta; Meet Kalola; Ankit Bana	Department of Mechanical Engineering	An Endotracheal Tube For Measuring Endotracheal Pressure	201711011547
9.	Halan Prakash; Parakh Priyadarshini; Subramanian Gokulakrishnan; Prasad Panzade	Department of Chemistry	A Bactericidal Composition for Disinfecting Water	201711009974
Hyderabad Campus				
10.	Dr. Anasua Guharay, Dr. Arkamitra Kar, Shashank Gupta	Department of Civil Engineering (Hyderabad Campus)	Treatment process for cellulose based geotextile and geotextile obtained therefrom	201711033016
11.	Dr. Swati Biswas, Dr. Balram Ghosh, Sri Vishnu Kiran Rompicharla, Prakruti Trivedi	Department of Pharmacy (Hyderabad Campus)	A chemotherapeutic composition for treating malignant tumors and method for preparing the same	201711028012
12.	Dr. Swati Biswas, Dr. Balram Ghosh, Onkara Swamy Muddineti	Department of Pharmacy (Hyderabad Campus)	A Nano-Micellar composition for drug delivery and method of preparing the same	201711016379
13.	Dr. Sanket Goel, S. B. Puneeth	Department of Electrical and Electronics Engineering	A system for measuring viscosity and method thereof	201711031122
14.	Dr. Sanket Goel, Prakash Rewatkar, Madhavi Bandapati, Balaji Krishnamurthy	Department of Electrical and Electronics Engineering	A system and method for electric power and process thereof for manufacturing the system	201711046160 (prov)

11. Awards and Honors to BITS Faculty

Pilani Campus:

- Prof. Vishal Saxena was awarded "Visiting Professor Fellowship" under Senior Scientist category of "2017 ASM- IUSSTF Indo - US Research Professor Fellowship Programme".
- Dr. Rajdeep Chowdhury was awarded "SERB Travel Award" for attending the conference "The 8th International Symposium on Autophagy", Japan, May 29th to Jun 1st, 2017.
- Dr. Sandhya Mehrotra was awarded for "Visiting Professor Fellowship" under Senior Scientist category of "INSA-CAS International Bilateral Exchange/ Collaboration Programme-2017.
- Prof. Vishal Saxena was awarded "Visiting Professor Fellowship" under Senior Scientist category of "INSA-CAS International Bilateral Exchange/ Collaboration Programme-2017.
- Arpit Bhargava, and Gagandeep Singh Saggu, Former Ph.D. Student, has been awarded SERB National Post-Doctoral Fellowship by DST, New Delhi in March 2017
- Preeti Dubey, Former Ph.D. student of Department of Mathematics doing interdisciplinary research with Uma S. Dubey (as Co-supervisor) presently doing Post Doctoral research in Department of Medicine, Loyola College, Chicago.
- Dr. Pradipta Chattopadhyay has received INSA Award in December, 2017 (Bilateral Exchange Programme 2018) to visit Poland for 3 weeks in Summer, 2018.
- Dr. Arvind Kumar Sharmahas been a Member of School Management Committee (SMC) for Birla School, Pilani, India.
- Dr. Arvind Kumar Sharmaprepared GATE (level) questions for test/examination conducted for the selection of faculty at Dr. A. P. J. Abdul Kalam Technical University (AKTU) - Lucknow, India | July 2017.
- Dr. Arvind Kumar Sharma has been an examiner for M.Tech. Thesis at HBTU Kanpur, India | Oct 2017.
- Prof Dalip Kumar received CRSI Bronze Medal-2017 from Chemical Research Society of India
- Dr. Indresh Kumar received "Professor D. K. Banerjee memorial Lecture award-2016" during March 22, 2017 from Department of Organic chemistry, IISc., Bangalore.
- Prof. Rajiv Gupta (Rajiv Gupta, Ayub Ahmed and Gaurav Tyagi) won the Best Session Paper award on "Purifying Porous Concrete for Drinking Water", 5th Asia Conference on Mechanical and Materials Engineering (ACMME 2017) at University of Tokyo, Tokyo, Japan during June 9-11, 2017.
- On invitation, Dr. Prasanta Kumar Sahuvisited University of Regina during January 2017.
- Parimal Merchant, Arya Kumar and Debasis Mallik, Factors Influencing Family Business Continuity in Indian Small and Medium Enterprises (SME) presented in the 2nd International Conference on Evidence Based Management (ICEBM 2017), BITS Pilani, held between 17th -18th March 2017. (Best paper award).
- Arya Kumar, Chaired the panel discussion on "Talent Management Strategies in Banking and Financial Services" in the Annual HR Conclave – 2 on "Bridging the Talent Gap - Issues and Challenges" organized by Management Department, BITS Pilani on 20th January 2017 at India Habitat Center , New Delhi.
- Arya Kumar Chaired a session on Banking & and New paradigm in Financial Policy and delivered key note valedictory address in the, 2nd International Conference on Evidence Based Management (ICEBM) 2017 organised by Management Department, BITS Pilani between 17th and 18th March , 2017.
- Arya Kumar, Chaired a session on IT and Enterprise in the 11th ISDSI International Conference held at IIM Trichy, December 27th – 30th , 2017.
- Arya Kumar, Panel member in a discussion on Policy Framing for enhancing entrepreneurial climate in educational institutes organized by MNIT Innovation and Incubation Centre on 29th July 2017 in Jaipur.
- Ecomod Scholarship Award (\$1500) to attend EcoModModeling School course on Energy and Environmental CGE Modeling with GAMS organized by EcoModModeling School in cooperation with the Singapore Institute of Statistics c/o Dept of Statistics and Applied Probability, National University of Singapore (NUS).
- Awarded with a scholarship (\$2000) from PwC and System Dynamic Society to attend System Dynamics Summer School at Massachusetts Institute of Technology (MIT) in July, 2017.
- WIPRO-XUB best paper award at 2nd XUB Sustainability Summit organized by Xavier University Bhubaneswar at XIMB in 2016.
- Mr. KavindraKandpal (EEE Dept.) and his team won 12th edition of the Cadence Design Contest in U.G. category. The project tile was "Design of DQPSK Demodulator for Implantable Bio-Medical Devices".
- Prof. Anu Gupta, (EEE Dept.) and her team won 12th edition of the Cadence Design Contest in P.G. category. The project title was: Design and Implementation of Differential Power Analysis Attack Immune Encryption Circuit Based on Simon Block Cipher for Next Generation RFID Cards.
- Choubisa, R. (July 2017). Scientific Committee Member (and Reviewer) for the Fifth World Congress of Positive Psychology organized by International Positive Psychology Association in Montreal (Canada).

- Choubisa, R. (March 2017) Expert to EACEA (European Union).
- Dr. Pratyush Banerjee - Winner of best paper award at the 4th International Conference on Human Resource Management, 11-12 November, 2017, IBS Hyderabad
- Dr. UdyanChanda, AIMS International Outstanding Young Management Researcher Award 2017, AIMS International, Vadodara 390008, India.
- Dr. UdyanChanda , Member of the technical committee of 11th Annual International Conference on Computer Games Multimedia & Allied Technologies (CGAT 2018) will be held during 09-10 April, 2018 in the venue Hotel Fort Canning, 11 Canning Walk, Singapore 178881.
- Dr Praveen Goyal Session Chair, 5th International Conference on Contemporary Marketing Issues (ICCM) 2017
- Ms. Ananyashree Garg (2015A7PS0117P), a student pursuing Bachelor of Engineering in Computer Science, BITS Pilani had participated in Youth Money Olympiad 2017. After the 1st round, she was ranked as the YMO College Topper and was promoted to the 2nd round. After the 2nd round which was held on 21 May 2017, she was ranked 3rd at the national level. She received the prize for winning 3rd rank in May end at a ceremony to be held at National Stock Exchange (NSE) Mumbai.
- Ms. Vidhi Jain (2014A7PS113) was declared as the Winner of the 'Citi Women Leader Award 2016-17' on 7th March, 2017 at Citi Group's First International Financial Center in BKC, Mumbai. Citi India provided her scholarship to support one year of her study at BITS Pilani
- Mr. Mohit Yadav (2014A7TS0074P) and Mr. Aashish Richariya (2014A8TS0454P) of the Robotics and Embedded Systems Laboratory of the CSIS department were selected to attend a prestigious Sakura Science Program (SSP-2017) from June 11, 2017 to July 2, 2017. The program was hosted by Robotics Laboratory, Hiroshima University and was supported by Japan Science and Technology Agency.
- Prof A K Digalwar, has been elected as a President Indian Subcontinent Region Decision Sciences Institute (ISDSI) and Chairman organized 11th ISDSI International conference during 27-30 Dec 2017 at IIMTrichy.
- Prof.P. Srinivasan, First Recipient of Prof SSR Memorial Teaching Excellence Award 2017.
- Shyam Sunder Yadav, Best Paper Award in the International Conference on Sports Engineering 23rd to 25th October 2017, Jaipur .
- Rajesh P. Mishra. was session co-chair and organizing committee member in International Conference on Sports Engineering October 23-25, 2017 ,BITS Pilani, at Jaipur.
- M. S. Dasgupta was invited as a Judge in SpaceX Hyperloop Pod Design Weekend, Texas A&M, USA.
- Prof A. K. Digalwar delivered an expert lecture on Sustainable Manufacturing in International workshop on Advances in Mechanical Engineering organized by ZCOER Pune on 6th Jan. 2017.
- Prof A K Digalwar chaired technical session in 2nd International Conference on Evidence Based Management (ICEBM-2017) held at BITS Pilani, Pilani Campus during 17-18 March 2017.
- Prof A K Digalwar chaired technical session in International Conference on Recent Advances in Materials & Manufacturing Technologies (IMMT 2017) held at BITS Pilani Dubai campus, Dubai, UAE during 28-29 November, 2017.
- Prof A K Digalwar chaired technical session in 11th ISDSI International Conference held at IIM Trichy during 27-30 Dec. 2017.
- Prof P.Srinivasan, chaired technical session in 11th ISDSI International Conference held at IIM Trichy during 27-30 Dec. 2017.
- Prof P.Srinivasan, chaired technical session in International Conference on Recent Advances in Materials & Manufacturing Technologies (IMMT 2017) held at BITS Pilani Dubai campus, Dubai, UAE during 28-29 November, 2017.
- Prof P.Srinivasan, chaired technical session in International Conference on Energy, Environment and Economics (ICEEE2018) held at Heriot-Watt University, Edinburgh, UK during 11-13 December 2017.
- Prof Srikanta Routroy, chaired technical session in International Conference on Recent Advances in Materials & Manufacturing Technologies (IMMT 2017) held at BITS Pilani Dubai campus, Dubai, UAE during 28-29 November, 2017

Hyderabad Campus:

- Dr. T Jamma, Vivek Sharma & Dr. Pranesh Bhargava OPERA award (Outstanding Potential for Excellence in Research and Academics), BITS Pilani, 2017
- Dr. Gireesha T. Mohannath and Dr. Ruchi Jain Dey Received Ramalingaswami Fellowship (November, 2017):
- Dr. Gireesha T. Mohannath received Ramanujan Fellowship (July 2017):
- Best oral presentation award was won by S. Srinivas Rao, A. for paper entitled "Suresh and K.V.G. Chandra Sekhar, Design and synthesis of 1,2,3-triazolyl 9H-fluorenone analogues as anti-tubercular agents" in

National Symposium on Emerging Trends and Innovations in Pharmaceutical Science (ETIPS-2017) in chemistry, organized by JNTU Hyderabad, October 12-13, 2017 (Oral Presentation) (Awarded as).

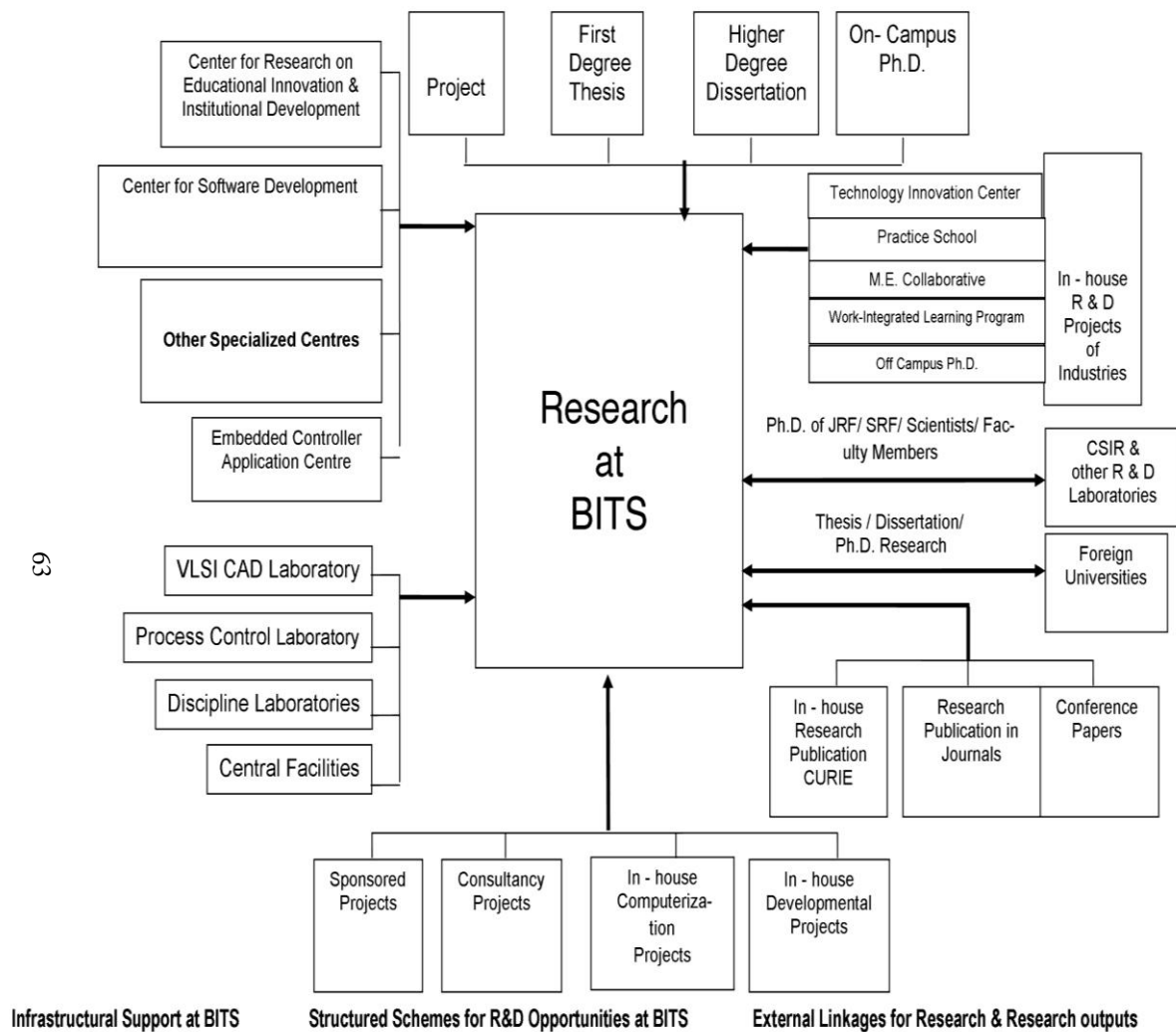
- Dr. Aruna Malapati-(a)"WOMEN IN EDUCATION" Award from The Dewang Mehta National Education Awards on 15th April 2017. (b) Prof. Indira Parikh 50 Women in Education Leaders" citation at 6th World Education Congress on 23 Nov 2017.
- Prof. Chittaranjan Hota- Became Senior Member, IEEE
- Gourish Goudar and Dr. Suvadip Batabyal received Best Paper award in PhD Forum in 11th IEEE International Conference on Advanced Networks and Telecommunications Systems (ANTS 2017).
- Dr. G Geethakumari-(a) Received a Letter of Appreciation from IB, Ministry of Home Affairs, Govt of India, April 2017.(b) Selected as Treasurer, Computer Society Chapter, IEEE Hyderabad Section, for the year 2018.
- Sanket Mishra- Sanket Mishra, research scholar of the department received TCS PhD fellowship for four years July 2016-June 2020. He works in the area of Internet of Things.
- Sanket Goel- SERB Travel Grant - Prof. Sanket Goel received SERB Travel grant to present two oral papers at Photonics West to be held in San Francisco during 28 Jan - 2 Feb 2017.
- Soumya J- (a)SERB Travel Grant- Dr. Soumya J received SERB Travel grant to present a poster at Design Automation Conference held at Austin, Texas during 18 June to 22 June 2017.(b) Nominated for Best PhD thesis award- Dr. Soumya J's PhD thesis has been nominated for Best Thesis Award at VLSI Design Conference held at Hyderabad during 11 Jan 2017
- Dr. Lavanya Suresh - OPERA award (Outstanding Potential for Excellence in Research and Academics), BITS Pilani, 2017
- Dr. Santosh Mahapatra was awarded Trinity College London Language Examination Fellowship for IATEFL 2018
- Dr. Santosh Mahapatra was awarded AARMS grant by British Council for a teacher mentoring project (February, 2017)
- Paper titled "Activation of double-stranded rna-dependent protein kinase pathway impairs insulin signaling in l6 muscle cells by 1. Mary Priyanka Udumula , Mangali Suresh Babu , Audesh Bhat , Indu Dhar , Dharmarajan Sriram and Arti Dhar won first prize at Drug Discovery & Development conference focus on cancer and diabetes" held at NIPER Hyderabad on March 16-17, 2017.
- Poster titled "Activation of Palmitic acid and high glucose mediate oxidative stress and apoptosis in H9C2 cardiac myocytes by Suresh Babu Mangali, Mary Priyanka Udumula, Jaspreet Kalra, Audesh Bhat, Indu Dhar, Arti Dhar won second prize at CTPS, BITS Pilani-Hyderabad campus on 28th October, 2017.

Dubai Campus

- Dr. A.B.Chattopadhyay was invited to deliver Key-note address in the International Conference on "Recent Trends in Renewable Energy and Smart Grids(ICRRESG-17)", organized by College of Engineering and Technology, MODY University ,Laxmangarh ,Rajasthan ,India on 24-25 February 2017.
- Dr R Swarnalatha served as Technical Review Committee member for the second IEEE International Conference on Electrical, Computer and Communication Technologies (ICECCT-2017), at SVS College of Engineering, Coimbatore, Tamil Nadu, India.
- Dr.V.Kalaichelvi served as Technical Program Committee Member for International Conferences on Advanced Computational and Communication Paradigms Sikkim Manipal Institute of Technology (SMIT), Rangpo, Sikkim,India and during International Conference on Electrical, Computer and Communication Technologies at SVS College of Engineering, Coimbatore,.
- Dr. Vilas H Gaidhane reviewed the research papers for the Journals IEEE Transaction on Measurement & Instrumentation IETE Technical Review (Taylor & Francis) ,International Journal of Electrical Power and Energy Systems (Elsevier),Image, Video and Signal Processing (Springer) ,Neural Computing and Applications (Springer) and Journal of Medical Systems (Springer).
- Dr.V.Kalaichelvi served as a designated reviewer on the technical program committee for the 9th IEEE-GCC Conference and Exhibition 2017 and reviewed papers for Bahrain **Gulf Conference and Exhibition center**
- Dr R Gomathi Bhavani reviewed PhD thesis titled," Fault detection in transmission line and adaptive setting of distance relay" for KIIT university, Bhubaneshwar, India.
- Dr R Gomathi Bhavani chaired the session on "Green technology track" during IEEE International Conference on Technological Advancements in Power and Energy (TAP Energy 2017), Amrita University, Kollam, Organized by IEEE Power and Energy Society, Kerala section.
- Dr. A.B.Chattopadhyay reviewed number of research for IEEE Transactions on Sustainable Energy and Neural Computing and Applications (Publisher: SPRINGER)

- Dr. A.B.Chattopadhyay reviewed the Research Project entitled, "Implementation and Algorithm Development for an Acoustic Sensing System", funded by ICT, Govt. of U.A.E, (financial budget in the tune of AED 984,800.00)
- Dr. Mary Lourde R served as a technical expert to evaluate ICT FUND research project proposal in various areas of Electrical engineering.
- Dr. Mary Lourde R served as a reviewer for the journal "Integration, the VLSI Journal" published by Elsevier and reviewed a research manuscript in the area of Trusted IoT, Low power VLSI during July 2017
- Dr. Vincent Shantha Kumar delivered Guest lecture on Bio-corrosion of metallic glasses in Seoul National University, Seoul, South Korea.
- Dr. Vincent Shantha Kumar delivered Invited Talk on Bio-corrosion studies on Zr based metallic glasses in International Symposium for Advanced Materials Research (ISAMR 2017), Taiwan
- Dr Neeru Sood was an invited speaker during the International Conference on Applied Nanotechnology and Nanoscience (ICANN-2017). Delivered a talk on Biosynthesized Nanoparticles for Sustainable Agriculture in Saline Soils and Marginal Environments.
- Dr. Trupti Gokhale was invited to give an Invited Talk on "Synthesis of metal Nanoparticles for Applications in Agriculture during the International Conference on Applied Nanotechnology and Nanoscience and also delivered a talk on "Development of Biosensors" at the Inaugural ceremony of the Silver Jubilee celebrations of the Microbiology Department, Bharti Vidhya Peeth, Pune, India
- Dr Trupti Gokhale delivered an invited talk on "Alternate Medicines practiced in Arab regions" at International Conference on Ancient Science and Technology Retrospection and Aspirations (ASTRA 2017) on 18th and 19th January 2017 held at H.V. Desai College, Pune, India.
- Dr Shazi Shah Jabeen examined PhD thesis entitled "Theoretical Analysis on Psychodynamic Approach of Human Predicament in the Select Novels of Arun Joshi", Periyar University, India.
- Dr Shazi Shah Jabeen examined PhD thesis entitled "Universal Values in Select Novels of Ralph Waldo Emerson and Subramanya Bharthi", Bharathidasan University, India.
- Dr Shazi Shah Jabeen reviewed papers for New Frontier, International Journal of Humanities and Social Sciences.
- Dr B G Prakash Kumar chaired a session during 2nd Student Research Colloquium on "Advances in Engineering & IT" (AEIT-2017) at Manipal Univ., Dubai Campus
- Dr. Nishant Pandya was invited as member of International Advisory Committee of International Conference on "Paradigm shift in Chemical engineering education, processes and technology", IEI, during September 16-17, 2017, Ahmedabad, Gujarat, India.
- Dr. Vincent Shantha Kumar was invited to deliver guest lecture on Bio-corrosion of metallic glasses in Seoul National University, Seoul, South Korea
- Prof A P Singh, Civil Engineering Department has been nominated as an expert in the Ministry of Environment, Forest and Climate Change and by Himachal Pradesh Public Service Commission, He was also nominated as an External Member of Advisory Committee for Special Assistance Programme(SAP) by the University Grant Commission, New Delhi.
- Prof. A.B.Chattopadhyay delivered a special lecture as a Guest of honor in the International workshop on "MATLAB Application in Electrical Engineering" in Millia Institute of Technology, Purnea, Bihar, India
- Dr. Vincent Shantha Kumar delivered Invited talk on Bio-corrosion studies on Zr based metallic glasses in International Symposium for Advanced Materials Research (ISAMR 2017) in Taiwan
- Prof.(Dr) R N Saha, delivered an invited talk on Role of materials in design of Nano particulate Systems for Selective Delivery of Drugs during International Conference on Nano- and Functional Materials, on 17th November, 2017, at BITS Pilani.
- Prof.(Dr). R N Saha, delivered an invited talk on Design and studies of novel delivery systems for selective distribution and better efficacy, during SciLife Lab, Karolinska Institute, on 18th January, 2017 at Stockholm, Sweden.
- Prof.(Dr) R N Saha, delivered an invited talk at S P Process Development Institute, Stockholm, on Studies on Some Techniques and Approaches for Enhancement of Bioavailability of some Drugs, on 19th January, 2017 at, Stockholm, Sweden.
- Prof. (Dr)R N Saha, delivered a talk on Modified/Selective Distribution of Drug: Nanoparticulate Systems, Characterization, Pharmacokinetic and Biodistribution Studies at GSK R & D Center Hyderabad as an invited speaker.
- Prof.(Dr) R N Saha, was invited to be among panel members during : Global Experiments- 21st Century Skills and Their Relation to Employability World Education Summit, spoke about Collaborative Learning in Globalized Environment and Importance of Education for Skill Fulfillment organized at Le Meridian, Dubai, UAE.

- Prof.(Dr)R N Saha was one of the team members in a delegation from India at Edutech 2017: Knowledge, Skill, Technology; organized by Indo-New Zealand Business Council, and delivered a talk on Skill Development: Leveraging Technology on 4th August 2017 at INZBC, Pulman Hotel, Auckland, NZ.
- Dr Shazi Shah Jabeen was appointed a member of Technical Committee of 7th International Conference on Language, Medias and Culture (ICLMC 2018) to be held during March 26-28, 2018, in Fukuoka, Japan.
- Dr Shazi Shah Jabeen was appointed a member of Technical Committee of 5th International Conference on Linguistics, Literature and Arts (ICLLA 2018) to be held in Hoam Faculty House of Seoul National University, Seoul, South Korea during January 27-29, 2018.
- Dr Shazi Shah Jabeen was appointed a member of International Journal of Development and Sustainability (IJDS).
- Dr Neeru Sood has been appointed as a member of organizing committee for World congress on Virology and Bacteriology to be held in Rome during **November 12-14**.



IV. INFRASTRUCTURE FOR RESEARCH

The Institute over the years has built up a moderate infrastructure for research work. Apart from the normal laboratory facilities in all the disciplines, the Institute has also built up centralized infrastructural facilities for the support of research work across the Institute. Some of these are described below:

Each department has been allotted budget for purchasing equipment/develop ICT infrastructure etc. These are required to cater to the specific needs of the department. The details are elaborated in the departmental evaluative reports.

Central Analytical Lab

The Institute provides budget for a central instrumentation facility named as Central Analytical lab (CAL lab) in each campus. This houses the major research equipment's needed in sciences and engineering disciplines. The equipment purchased through this fund are utilized by multiple departments and hence housed at a central. Approximately, 15 crores have been allotted to the 3 Indian campuses in the recent past for procurement of high end equipment's and for improving the research infrastructure. University has also allocated funds for each campus for high cost, sophisticated equipment under the Central Instrumentation facility like NMR, SEM, AFM, XRD, confocal microscope, LC-MS etc.

High Performance Computing Facility & Cloud Computing

Kosambi: A University-wide Internet-accessible High Performance Computing Facility at BITS Pilani, K K Birla Goa Campus. It currently comprises of 96 cores HPC machine from IBM with one head node and 6 compute nodes. Currently faculties will have login (on request basis) and can manage their account through remote login. Faculty colleagues in K. K. BIRLA Goa campus are already using this facility, along with a few from other campuses. The HPC Admin Team at Goa campus will be enabling this as a cloud computing facility to Pilani and Hyderabad shortly. Software(s) currently available in Kosambi are: OS - Red Hat Enterprise LINUX - 6.3 IBM CMM (Cluster Management Module) Mathematica 9.0 and other regular default RHEL open source software(s).

ICT Facility

Information Processing Center takes care of the IT related requirements of the entire campus. IPC maintains terminal rooms (Labs) to provide centralized computing facilities to the students and laboratories for teaching and research needs of Computer Science Department. These labs/terminal rooms are well equipped with desktops and work stations. Campus-wide network with dataports, wired and Wifi connectivity is maintained so as to ensure internet facility at all hostel rooms, cafeteria, library, staff quarters, and all laboratories within the campus. Some departments have independent computational labs with network clusters to take care of their specific research needs. For eg: Chemistry/Pharmacy/Biological Sciences have labs for research work pertaining to computer aided drug design and Bioinformatics etc..

Central Animal Facility

Central Animal Facility at BITS Pilani, Pilani campus is a CPCSEA approved facility with total floor area of 5330 sq. ft. The facility is also approved for in-house breeding of small animals. The facility maintains the animal species like Rats, Mice, Guinea Pigs, Rabbits and Hamsters. It 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, Pharmacodynamics 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, semi dry transfer apparatus, microtome, RT-PCR, electroconvulsimeter, actophotometer, analgesiometer, light dark apparatus, rotarod etc. Equipments such as surgical anesthesia machine, electrical cautery, deep freezers (-20 and -80°C) and spare air-conditioners are also utilized. The laboratory is upgraded with video documentation system for various animal behavioral studies. Facility is geared to take up various industrial or governmental funded projects in various pre-clinical areas.

The Institute has set up a number of centers and laboratories of research & development as given below-

S.No	Name of the Centre	Description
1.	Center for Biotechnology	The Centre has in-house facilities of Genetic Engineering and Recombinant-DNA Technology. This Centre aims at taking up research and development projects from various sponsoring organizations, (establishments of University-Industry linkage) through various R&D contract projects and conducting periodic Workshops and hands-on training for faculty members, industry personnel and students in the area of advanced molecular biology/biotechnology and bioinformatics.
2.	Centre for Desert Development Technologies (CDDT)	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.

S.No	Name of the Centre	Description
3.	Centre for Educational Technology (CET)	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-campus, as well as off-campus, operations of the Institute and helps in their deployment.
4.	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.
5.	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 the Indian Industry competitive by developing indigenous technical skills, manpower and innovative spirit.
6.	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.
7.	Centre for Software Development (CSD)	The Centre for Software Development (CSD) is the 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, the 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 Computer Science & Information Systems., under the new name of Wearable, Pervasive Computing Networking Research Laboratory.
8.	Embedded Controller Application Centre	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 of 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 by developing course modules for these courses
9	Technology Business Incubator (TBI)	TBI promotes developing technology- enabled ventures in the areas of Information and Communication Technologies for telemedicine and healthcare, Biotechnology/Pharmaceutics Embedded systems, VLSI and other areas. Also TBI, supports entrepreneurial leadership across all disciplines, facilitates entrepreneurial activity amongst students, and invites entrepreneurs to use TBI services so as to develop end-products for commercialization
10	CORE	A virtual centre on interdisciplinary research in waste, water and energy management has been created to encourage technology/product development, real life problem solving in comprehensive manner. Internal fund is provided to 5 projects comprising research teams of cross campus and multidiscipline researchers.
11	TLC	TLC has been formed for the professional development of BITS faculty as well as non- teaching academic staff associated with teaching activities (laboratory technicians, demonstrators). The TLC also aims to engage research in various aspects in teaching and learning. Further, to bring best practices in teaching and learning across the globe, and share their experiences through direct or indirect modes are some objectives of this centre.
12	Centre for water resources	The centre for excellence in water resources management (CEWRM) was established in Hyderabad campus as national regional/ international centre to provide innovation in sustainable research, education and training in water resources management and allied fields.

Completed Doctoral Theses 1964-2017

This annexure presents discipline wise classification of various Ph.D. theses and the number of Ph.D. degrees awarded year wise since 1964.

Discipline wise classification of Doctoral Degrees Completed:

S.No.	Discipline	Total
1.	Bio-Sciences	219
2.	Chemical Science & Engineering	35
3.	Civil Engineering	38
4.	Computer Science	84
5.	Economics	21
6.	Educational Development	16
7.	Electrical, Electronics, Communication & Instru. Engineering	81
8.	Humanities & Social Sciences	52
9.	Management	101
10.	Mathematics	33
11.	Mechanical Engineering	82
12.	Pharmacy	151
13.	Physics	72
14.	Chemistry	101
15.	Hospital and Health System Management	04
	Total	1090

Number of Ph.D. degrees submitted and awarded year-wise:

Year	No. of Ph. Ds
1965	3
1966	5
1967	5
1968	8
1969	16
1970	13
1971	13
1972	17
1973	7
1974	13
1975	11
1976	14
1977	16
1978	13
1979	10
1980	5
1981	11
1982	7
1983	6
1984	6
1985	3
1986	2
1987	0
1988	3
1989	2
1990	8
1991	7
1992	7

Year	No. of Ph. Ds
1993	17
1994	12
1995	15
1996	23
1997	21
1998	15
1999	7
2000	9
2001	11
2002	15
2003	18
2004	23
2005	26
2006	36
2007	32
2008	37
2009	36
2010	33
2011	35
2012	37
2013	46
2014	54
2015	81
2016	115
2017	105
Total	1090

Completed Higher Degree Disertations - 2017

FDTS
PILANI CAMPUS SEM-II 2016-17

S.No	BITS ID	Name	Title	Supervisor	Department
1	2012A3B1149P	Sonali Gupta	Study of stress and anxiety controlled by ventromedial hypothalamus	Prof. Cornelius Gross	BIOLOGY
2	2012A4TS301P	Afzal Ahmed Khan	Multi Echelon Inventory Management/Optimization	Dr. Satyendra kr. Sharma	MECHANICAL
3	2012A5TS514P	Shubham Gupta	Assesment of jan aushadhi yojana; state-of-the-art and what next ?	Dr.Gautam Singhvi	PHARMACY
4	2012B1A1673P	Subham Pravin rathi	To study the role of cr-RNA 1 in Salmonella pathogenesis	Dr. Sandhya Marathe	BIOLOGY
5	2012B1A1772P	Ashish Khanna Kanekanti	MITIGATION OF FLUE GASES FROM INDUSTRIAL WASTES THROUGH BIOREACTORS	Dr. Smita Raghuvanshi	CHEMICAL
6	2012B1AB790P	Suryansh Rastogi	Developing a Framework for Bio-inspired Design	Dr. B.Vani	BIOLOGY
7	2012B1A1794P	Daksh Dutta	Control of bio-chemical process, and PID optimization using soft computing neuro-fuzzy algorithms.	Dr. AMIT JAIN	CHEMICAL
8	2012B1A1800P	Sonali Kallani	Distribution of homologs of carboxysome lumen proteins across various phyla of Eubacteria	Sandhya Mehrotra	BIOLOGY
9	2012B1A1810P	Abhishek suresh	Genome wide Analysis of cis regulatory elements responsible for saline stress induction in wheat.	Dr. Rajesh Mehrotra	BIOLOGY
10	2012B1A1815P	Mansi Narang	Plant molecular biology and evolution in the area of plant productivity and photosynthesis	Sandhya Mehrotra	BIOLOGY
11	2012B1A2793P	TANMAY SHRIVASTAVA	ANALYSIS OF HYPOTHEICAL COUSERVED PLASMA PROTIENS	DR ASHISH DAS	BIOLOGY
12	2012B1A2802P	Shikhin Garg	Biochemical exploration of medicinal plants of Rajasthan	Dr. Pankaj Sharma	BIOLOGY
13	2012B1A2806P	Mayank Kumar	DESIGNING AN EFFICIENT SEWAGE TREATMENT PLANT	Dr.B. Vani	BIOLOGY
14	2012B1A2825P	Animesh kumar Maity	Role of CRISPR (crRNA2) in Salmonella pathogenesis	Dr. Sandhya Marathe	BIOLOGY
15	2012B1A2849P	Smarth Kakkar	Therapeutic Modalities of Herbal Drugs in Lung Cancer	Uma S Dubey	BIOLOGY
16	2012B1A3846P	Pajakta Joshi	To study the retinal responses using electrophysiological methods	Hiroki Asari	BIOLOGY
17	2012B1A4768P	Garima Gupta	Demand estimation of Scientific and Technological manpower for National priorities and Globalization	Dr. Satyendra kr. Sharma	MECHANICAL
18	2012B1A4786P	Rishabh Singh	Thermodynamic Analysis of Solar Power Plant	Dr. M.S.Soni	MECHANICAL
19	2012B1A4795P	Himanshu Gupta	Genomic analysis of cis element of Stress inducible promoter in wheat	Dr. Rajesh Mehrotra	BIOLOGY
20	2012B1A4797P	Anuj Agrawal	Genome Wide analysis of ACGT element in stress induced wheat plant.	Dr. Rajesh Mehrotra	BIOLOGY

S.No	BITS ID	Name	Title	Supervisor	Department
21	2012B1A4812P	Harshit Mathur	Anti-Cancer Properties of TRAIL and Lactoferrin	Uma S. Dubey	BIOLOGY
22	2012B1A4814P	Harshit Shasnce	Study on Solar Air Heater	Dr. M.S.Soni	MECHANICAL
23	2012B1A4821P	Maninder Goyal	Use of Nanoparticles in Lung Cancer diagnosis and Treatment	Uma S Dubey	BIOLOGY
24	2012B1A4851P	Tanmay kulshrestha	Quantitative model of miRNA target prediction	Dr. Anders Martin Jaeobsen	BIOLOGY
25	2012B1A8787P	VASUNDHARA GUPTA	Design and optimization of Frateal antena using HFSS	DR NAVNEET GUPTA	EEE
26	2012B1A8796P	Kriti Jain	Study of mRNA-miRNA interaction	Shibasish Chowdhury	BIOLOGY
27	2012B1A8811P	KUNAL JINDAL	Multiplexed In Situ Protein Detection	Dr Rajdeep Choudhari	BIOLOGY
28	2012B1A8813P	SRABASTI NANDI	Green mobile health monitoring system	DR SAINATH B	EEE
29	2012B1A8824P	Ankit Agarwal	Location Recognition using Feature Matching	Dr. K K Gupta	EEE
30	2012B1A8834P	Mudda Swathi Sree Durga	Understanding the interactions between mRNA and miRNA	Shibasish Chowdhury	BIOLOGY
31	2012B1A8845P	Gourav Bansal	ANALYSIS OF CIS REGULATORY ELEMENT IN MILK	Dr. Rajesh Mehrotra	BIOLOGY
32	2012B1A8847P	Abhinav GandOtra	Designing IOT based arsenic sensor device	Dr. S.K. Verma	BIOLOGY
33	2012B1A8852P	Kushal Jasoria	INNOVATIONS AND BUSINESS OPPORTUNITIES IN THE BIOLOGICAL SCIENCE SECTOR	Dr.Pankaj Sharma	BIOLOGY
34	2012B1AB799P	Kumar Sashwat	Analysisi of Wheat Genome	Rajesh Mehrotra	BIOLOGY
35	2012B2A1315P	Kartavya Khanna	Photo Physical and Theoretical Investigation of Model Schiff Base	Dr. Shamik Chakraborty	CHEMISTRY
36	2012B2A1507P	PINKY MOOLANI	To create some pedagogical visualisation software tools in Quantum Chemistry	DR PRASHANT MANOHAR	CHEMISTRY
37	2012B2A1760P	Jyothir Ghosh	Synthesis of Bimetallic Au@Se nanoparticles and their applications	Dr. Surojit Pande	CHEMISTRY
38	2012B2A1774P	Rrahul Bharadwaj	Computaional fluid dynamics study of downdraft gasifier with internal cyclonic combustion chamber	Dr.Pratik N. Sheth	CHEMICAL
39	2012B2A2438P	ARCHIT AGGARWAL	Microstructure Characterization of Blended Cements	DR. BAHURUDEEN A	CIVIL
40	2012B2A2732P	Pratyksh Vijay	CATALYSIS OF COPPER AND PALLADIUM COMPLEXES	Dr. Saumi Ray	CHEMISTRY
41	2012B2A2746P	Abhishek Sharma	Synthesis, Characterization and Catalytic application of metal nanoparticle decorated 2-D nanosheets of Fe ₂ O ₃ and OsO ₄	Dr. Surojit Pande	CHEMISTRY
42	2012B2A4262P	Soumya Upadhyay	FMECA ANALYSIS OF MECHANICAL COMPONENT	Prof. R.P.Mishra	MECHANICAL
43	2012B2A4722P	Salman Anjum	Nanoparticle based catalytic oxidation reactions	Dr. Bibhas R Sarkar	CHEMISTRY
44	2012B2A4749P	Isukapalli Sai Vamsi K.	Synthesis of new Mechanofluorochromic materials; Investigation of their structure-property relationship.	Dr. Sachin U Belgamwar	MECHANICAL

S.No	BITS ID	Name	Title	Supervisor	Department
45	2012B2A4753P	Anmol Pandey	Photo Physical and Theoretical Investigation of Model Schiff Base	Dr. Shamik Chakraborty	CHEMISTRY
46	2012B2A7549P	Shambhavi Mehrotra	PHOTOPHYSICAL PROPERTIES OF SCHIFFS BASE AND OTHER AMIDE BASED COMPOUNDS	Dr. Madhushree Sarkar	CHEMISTRY
47	2012B2A7767P	Mihir Biswal	Computational study of some cost-effective approximations to Fock-space coupled-cluster variants for energy and derivatives.	Dr. Prashant U Manohar	CHEMISTRY
48	2012B2A8649P	Chinmayee Vijay Bhamburkar	SYNTHESIS CHARACTERIZATION AND CATALYTIC ACTIVITIES OF IRON COMPLEXES	Dr. Saumi Ray	CHEMISTRY
49	2012B2A8778P	Shikhar Bhuddi	Internet of Things: Security and Privacy Challenges	Dr. Sainath Bitragunta	EEE
50	2012B2AB733P	Sarthak Mangla	COMPUTATIONAL STUDY OF HIGHLY CORRELATED ELECTRONIC STATES OF MOLECULED	Dr. Prashant U Manohar	CHEMISTRY
51	2012B2AB769P	RAHUL KRISHNAN	Development of Catalysis for Carbonylation of Glycerol	DR BIBHAS R SARKAR	CHEMISTRY
52	2012B3A1533P	ADITHYA S BHAT	Growth of Service Sector in India and Sustainability	DR RAJENDRA PRAMANIK	Eco and Finance
53	2012B3A1581P	Govinda Nathani	Life Cycle Analysis of a fertilizer Plant	Dr. Suresh Gupta	CHEMICAL
54	2012B3A1591P	Chetan Raj Pandey	Implementation of Big data analytics in efficient monitoring and control of Chemical Processes	Dr. Harekrishna Mohanta	CHEMICAL
55	2012B3A1605P	Akshay Morey	Modelling of desulphurisation unit by non linear statistical regression	Dr. Ajaya Kumar Pani	CHEMICAL
56	2012B3A1607P	Dhiraj Kapgate	Life Cycle analysis of carbon capture and storage process	Dr. Raman Sharma	CHEMICAL
57	2012B3A2414P	PANKAJ LAMBA	Dynamics of healthcare in India:A critical appraisal	Dr. Krishna M	Eco and Finance
58	2012B3A2582P	RAJAT JAIN	developing forecasting model for demand of a product	DR. SATYENDRA KUMR	CIVIL
59	2012B3A3519P	Aneesha Srivastava	Economic viability analysis of solar PV based distributed generation	ASHISH PATEL	EEE
60	2012B3A3537P	AMAN AGARWAL	Modelling the supply risk credit score	Satyendra Sharma	Eco and Finance
61	2012B3A3547P	NEHA TALESRA	MODELLING AND ANALYSIS OF MEMS PRESSURE SENSORS	DR NAVNEET GUPTA	EEE
62	2012B3A3602P	NAMAN GUPTA	Application of Game Theory in IoT	DR SAINATH B	EEE
63	2012B3A4403P	Pranav Kulkarni	Reliability	Prof. R.P.Mishra	MECHANICAL
64	2012B3A4415P	Kushagra Vijayvargiya	SUPPLY CHAIN MANAGEMENT	Prof. Srikanta Routroy	MECHANICAL
65	2012B3A4464P	Aman Takiyar	Application of IoT in Agriculture	Dr. A.K.Digalwar	MECHANICAL
66	2012B3A4548P	Nishchay Nagpal	Development of a framework for application of Reliability Centered Management	DR GAJANAN GUPTA	MECHANICAL
67	2012B3A4603P	VISHAD BHALODIA	Supply Chain Risk Assessment	DR SATYENDRA KUMAR SHARMA	Eco and Finance
68	2012B3A7463P	KOKANDAKAR AJINKYA HEMANT	Effect of Unconventional Monetary Policies on the Indian Economy	Dr. A.K. Giri	Eco and Finance

S.No	BITS ID	Name	Title	Supervisor	Department
69	2012B3A7479P	SALONI CHANDAK	Using mobile phones to improve healthcare across India using the system 99DOTS	Bill Thies	CSIS
70	2012B3A7503P	VATSAL GUPTA	Analysis of the factors affecting the profitability of financial institutions	Prof N.V.M Rao	Eco and Finance
71	2012B3A8452P	SHRIYA JAIN	Impact of Macroeconomic variables and market anomalies on volatility of Indian Stock market.	Rajan Pandey	Eco and Finance
72	2012B3A8551P	ANIRUDH GAUTAM	DPC Multivariate GARCH model on Indian Market	Rajan Pandey	Eco and Finance
73	2012B3A8559P	ARPIT GUPTA	Techno-Economic aspect of PV power generation in India	DR RAJNEESH KUMAR	EEE
74	2012B3A8594P	SAMAY PANDAOKAR	Empirical analysis of volatility forecasting models in India & implication of Efficient Market hypothesis.	Rajan Pandey	Eco and Finance
75	2012B3AB488P	Anit Bhagat	ACHIEVING INCLUSIVE GROWTH	Dr. Srinivas Kota	MECHANICAL
76	2012B4A1634P	Yash Tambi	Big Data in Process Control	Dr. Harekrishna Mohanta	CHEMICAL
77	2012B4A1652P	Varun Jain	Nonlinear modelling of sulphur recovery unit	Dr. Ajaya Kumar Pani	CHEMICAL
78	2012B4A1677P	Divyam Jain	TO study the Modelling, Simulation and Analysis of Bioreactors using MATLAB as a tool	Dr. Amit Jain	CHEMICAL
79	2012B4A2675P	RAAG KHANDELWAL	Dynamic classifier selection using meta learning	DR KAMLESH TIWARI	MATHS
80	2012B4A2704P	RAHUL JAIN	TRANSPORT PLANNING AND TRAFFIC SUMILATION AT USING STSTISTICAL MODELLING	DR. AMIT GOEL	CIVIL
81	2012B4A3173P	SATWIK PRABHU K	GRAPH CLUSTRING ALGORITHMS	DR RAJEEV KUMAR	MATHS
82	2012B4A3364P	AYUSH GOYAL	Asset Pricing in Over the Counter Markets	DR ARUN KUMAR VAISH	MATHS
83	2012B4A3622P	RAJEEV DUTT MISHRA	stochastic modelling of wind power based microgrid	DR H D MATHUR	EEE
84	2012B4A3631P	AKSHAY	Comparative study of some nature-inspired optimization techniques	DR CHANDRA SHEKHAR	MATHS
85	2012B4A3716P	AKSHIT GOEL	Performance Analysis of Spectrum Allocation Strategies in Cognitive Radio Network	DR RAKHEE	MATHS
86	2012B4A4511P	PAVAN KUMAR	Numerical Simulation of two oppositely charged drops	DR SHYAM SUNDER YADAV	MATHS
87	2012B4A4587P	VAIBHAV	High temperature thermal energy storage system with phase change material	DR P SRINAVASAN	MECHANICAL
88	2012B4A4731P	GRANDHI NAGA	NUMERICAL SIMULATION OF COMPRESSIBLE FLOW OF CARBON DIOXIDE THROUGH AN EJECTOR	DR SHYAM SUNDER YADAV	MATHS
89	2012B4A7138P	ILASHREE	Secure Multiparty Computing : Efficient Protocols and Voting	DR ASHUTOSH BHATIA	MATHS
90	2012B4A7258P	SWARAJ DALMIA	Proof Complexity	ABHISHEK MISHRA	CSIS
91	2012B4A7819P	AMITAYUSH THAKUR	PROgram Synthesis using Examples (PROSE) â€“ automatic generation of programs from input-output examples at runtime	Naren Datha	CSIS

S.No	BITS ID	Name	Title	Supervisor	Department
92	2012B4A8624P	ARITRA DAS	Mathematical Modeling of AlGaIn HEMTs	DR V K CHAUBEY	MATHS
93	2012B4A8626P	Nikita Tanwani	EEG Signal processing	Dr. Pawan K. Ajmera	EEE
94	2012B4A8674P	BHAVYA VAID	Machine Condition Monitoring using Vibro-Acoustic Signal Processing	DR K K GUPTA	EEE
95	2012B4A8678P	KESHAV RAHEJA	Low Power Design Techniques : Dynamic Voltage and Frequency Scaling	Dr. Abhijit R. Asati	EEE
96	2012B4AB727P	Romanch Arya	Design and Development of Modular Production System in Learning Factory at BITS Pilani	Prof. K.S.Sangwan	MATHS
97	2012B4AB728P	SAGAR CHOURASIA	SUPPLY CHAIN MANAGEMENT	DR SRIKANT ROUTROY	MECHANICAL
98	2012B5A1379P	Lavleen Bhati	Study of Ferroelectric compounds by Multiple Scattering modeled X-Ray Photoelectron diffraction.	Rakesh Choubisa	PHYSICS
99	2012B5A1555P	Shefali Gupta	Quantum hall effect in graphene	Madhukar Mishra	PHYSICS
100	2012B5A1656P	Vaibhav Singh	Neutrino physics and it's astrophysical implications	Madhukar Mishra	PHYSICS
101	2012B5A1679P	NEIL DAVE	Study of hybrid semiconductors in the form of nanoclusters using density functional theory approach	DR DEBASHIS BANDHOPADHY	PHYSICS
102	2012B5A1705P	Premmasani Sri Krishna Prasad	Graphene layer on transition metals : Growth and Characteristics	Subhashis Gangopadhyay	PHYSICS
103	2012B5A1711P	Ameey Pathak	Machine learning modelling of chaotic time series	Rakesh Choubisa	PHYSICS
104	2012B5A1719P	Nandan Luthra	Properties and Characteristics of Semi Conductor Thin Films	Subhashis Gangopadhyay	PHYSICS
105	2012B5A2604P	ARUN PILLAI	Analysis of Soil Resistivity	DR. SHIBANI K JHA	CIVIL
106	2012B5A2681P	Anchal Garg	STUDIES ON AN-ISOTROPIC HYDRODYNAMICS AND ITS APPLICATIONS	Madhukar Mishra	PHYSICS
107	2012B5A2709P	NAMAN MUNOT	WATER QUALITY ANALYSIS ON RIVER GANGA	DR R SRINIVAS	CIVIL
108	2012B5A2712P	Yashvardan Chamoli	Study of Hydrogen Storage and Dissociation using Density Functional Theory	Debashis Bandyopadhyay	PHYSICS
109	2012B5A3546P	Rohit Goel	Power management design techniques: Dynamic voltage and frequency scaling	Dr. Abhijit R Asati	EEE
110	2012B5A3554P	Sauriya Sarkar	Study of surroundings of YSOs near 30 Doradus using JUST data	Kaushar Vaidya	PHYSICS
111	2012B5A3641P	Pawas Sandesh Shukla	Designing an algorithm to embed a nanoparticle within shells of empty cells for the strengthening of the multiple scattering calculations	Rakesh Choubisa	PHYSICS
112	2012B5A3645P	Vatsal Panwar	Design and Development of UWB polygonal patch antenna	Dr. Rahul Singhal	EEE
113	2012B5A3651P	Mohit Bhardwaj	Epoch of Reionisation studies: Understanding Artefacts in the data due to shape of the Telescope Beam	DR RACHEL WEBSTER	EEE
114	2012B5A3663P	KUNJESH AGASHIWALA	Study of Transition Metal Dichalcogenide based optoelectronic devices	DR V K CHAUBEY	EEE

S.No	BITS ID	Name	Title	Supervisor	Department
115	2012B5A3697P	Anamika Aggarwal	Upgrade of leave1 -1 Trigger for CMS (compact muon Solenoid) detector.	Dr. Praveen Kumar AV	EEE
116	2012B5A4411P	Aditya Rakesh Kulkarni	THIN-WALL MACHINING	Dr. T.C.Bera	MECHANICAL
117	2012B5A4579P	Mukul	Graphene Layer on Transition Metals : Growth and Characterization	Subhashis Gangopadhyay	PHYSICS
118	2012B5A4693P	Adit Makhijani	Condensed Matter Experimental Physics	Anshuman Dalvi	PHYSICS
119	2012B5A7589P	RAJATH S	PARALLELIZATION OF SEARCH AND DATA REPRESENTATION ALGORITHMS	S. BALASUBRAMANIAM	CSIS
120	2012B1A7801P	PRABODH AGARWAL	Incremental deployment of SDN in enterprise networks	K HARIBABU	CSIS
121	2012B5A8529P	Ashutosh Tripathi	DFT study of silicon based Hybrid Semiconductor Clusters	Debashis Bandyopadhyay	PHYSICS
122	2012B5A8565P	Shalini Mitra	Fabrication and Characterization of Solid Polymer Electrolyte	Anshuman Dalvi	PHYSICS
123	2012B5A8567P	SUMANTRA SHARMA	Solvent effect on absorption and fluorescence spectra of cinchonidine	DR D D PANTH	PHYSICS
124	2012B5A8644P	Mihir Sharma	DFT study of Ge based hybrid semiconductor clusters	Debashis Bandyopadhyay	PHYSICS
125	2012B5A8684P	Vipul Vaidya	Optimization of Quantum Systems using Genetic Algorithm	Jayendra N Bandyopadhyay	PHYSICS
126	2012B5AB469P	Tejas Anil Bugdani	Quantum Mechanical processes in Avian Magnetoreception	Jayendra N Bandyopadhyay	PHYSICS
127	2012B5AB596P	Sai Venkata Reddy Anumula	DFT study of transition metal doped hybrid semiconductor nanoclusters	Debashis Bandyopadhyay	PHYSICS
128	2012B5AB647P	Mudit Gandhi	Nassicon based Ceramic and glass conductivity testing	Anshuman Dalvi	PHYSICS
129	2012B5AB659P	Varun Iyer	Using physical models to analyse the stock market	Madhukar Mishra	PHYSICS
130	2012B3A3468P	SHIKHAR KEJRIWAL	SPARE PARTS INVENTORY MANAGEMENT	Satyendra Sharma	Eco and Finance
131	2012C7A2850P	RAHUL BUDHADEV	ENVIRONMENTAL ENGINEERING	DR. ANUPAM SINGHAL	CIVIL
132	2012C7B3844P	SHRADDHA PANWAR	CoCo (Contingent Convertible) Bonds price Modeling using R programming	Dr. A.K Giri	Eco and Finance
133	2013A1TS747P	Suvesh Lalwani	Synthesis and Characterization of Aggregation Induced Emission Pt complex encapsulated in mesoporous silica nanoparticles	Dr. Banasri Roy	CHEMICAL
134	2013A2TS101P	LEELA MANAS BAYIREDDY	PATTERN RECOGNITION FROM TRANSPORTION DATA	DR PRASANTA KUMAR SAHU	CIVIL
135	2013A2TS008P	YIMKUM I OZUKUM	USING WT DISTRIBUTION BY FIELD EXPERIMENT RESISTIVITY TEST	DR SHIBANI JHA	CIVIL
136	2013A2TS657P	HIMANSHU SETIA	Behaviour of coupling beams.	DR DIPENDU BHUNIA	CIVIL
137	2013A3TS216P	Abhishek Shankar	Neuromorphic architectures and their simulation	Dr. Chandra Shekhar	EEE
138	2013A3PS315P	RAGHU RAMI REDDY BALLARY	#N/A	DR RAJNEESH KUMAR	EEE
139	2013A3TS070P	Dishant Sangani	Carbon Nanotube based Piezoresistive sensors	DR MARTIN CLAUS	EEE

S.No	BITS ID	Name	Title	Supervisor	Department
140	2013A3TS250P	PRAJYOT GUPTA	Reconfigurable approximate computing systems	DR AKASH KUMAR	EEE
141	2013A3TS326P	ANUJ YADAV	Automatic Tuning of Probe Noise for Continuous Acoustic Feedback Cancellation in Hearing Aids	DR G M SUNDARAM	EEE
142	2013A4TS002P	Saurav Dwivedi	Analysis of bearing defects	Dr. Arun Kumar Jalan	MECHANICAL
143	2013A4TS048P	Sagnik Mukherjee	HEAT EXCHANGER DESIGN FOR REFRIGERATION SYSTEM	Dr. M.S.Soni	MECHANICAL
144	2013A4TS084P	Sayyed Mudassir Ali	Estimator design for sequential hybrid system.	Dr. Amol Marathe	MECHANICAL
145	2013A4TS143P	Yash Talwekar	Multiple Scales Analysis of Wind Turbine Blade Vibrations	Dr. Shyam Sunder	MECHANICAL
146	2013A4TS170P	Ritwok Subir Das	SUPERSONIC TWO PHASE FLOW OF CO ₂	Dr. Shyam Sunder	MECHANICAL
147	2013A4TS191P	Tejas Shivanand Mane	Heat transport in collisionless plasmas	Dr. Mari Chandra	MECHANICAL
148	2013A4TS221P	Nishant Elkunchwar	Study of kinematics of flow in deformable medium using Riemannian geometry	Dr. Tapomoy Guha Sarkar	MECHANICAL
149	2013A4TS227P	Sagar Shorey	Integration of Solar Thermal Systems with Thermal Power Plants	Dr. M.S.Soni	MECHANICAL
150	2013A4TS252P	Apoorv Vaish	Design, Prototyping and Testing of Soft Robots	Dr. Pablo Valdivia	MECHANICAL
151	2013A4TS266P	Akshat Jain	MECHANICAL BEHAVIOUR OF COMPOSIT MATERIAL	Dr. Mulali Palla	MECHANICAL
152	2013A4TS305P	Shyam Sundar Sankaran	Transport processes in magnetized plasmas	Dr. Mani Chandra	MECHANICAL
153	2013A4TS336P	Aranav kacker	APPLICATION OF NERUAL NETWORKS IN ROBOTICS	Prof. B.K.Rout	MECHANICAL
154	2013A4TS352P	Arun Sreyas Palle	Design of a Waste-to-Energy Reactor	Mr. Christian Stauble	MECHANICAL
155	2013A4TS373P	Chandan Stija	Motion Planning of Biped Robots	Prof. B.K.Rout	MECHANICAL
156	2013A4TS389P	Rohan Sanghvi	Thermal Management of MEMS Systems	Dr. M.S.Soni	MECHANICAL
157	2013A4TS402P	S.Rahul	Aeroelastic Flutter or large wind turbine blades	Dr. Sandeep Dhar	MECHANICAL
158	2013A4TS410P	Chandra Bhan Singh Ch.	Numerical Analysis of Ball Bearing	Dr. Arun Kumar Jalan	MECHANICAL
159	2013A4TS753P	Siddhant Pundir	Study of Energy and Efficiency of Machine Tools	Prof. K.S.Sangwan	MECHANICAL
160	2013A5TS929P	Amit Pratik Sinha	DESIGN SYNTHESIS AND EVALUATION OF ANTI-CANCER AGENTS	Dr. Hemant R Jadhav	PHARMACY
161	2013A5TS941P	Uday Joshi	Design, synthesis and in-vitro evaluation of anticancer agents	Dr. Hemant R Jadhav	PHARMACY
162	2013A7TS018P	Abhinav Baid	A DSL for automatic optimization of DSP pipelines	Uday Reddy B	CSIS
163	2013A7TS039P	BAPIRAJU V. TADIKONDA	Constructing Resources for Code-Mixed Text	YASHVARDHAN SHARMA	CSIS
164	2013A7TS073P	SHIVIN SHRIVASTAVA	Development and Design of a distributed data structure for anytime mining of data streams	POONAM GOYAL	CSIS
165	2013A7TS078P	YASHASVI GALAV	Firearms detection from video feed	NAVNEET GOYAL	CSIS
166	2013A7TS079P	ADITYA SHARMA A.S.	Parallel Clustering Algorithms	POONAM GOYAL	CSIS
167	2013A7TS083P	KSHITIJ BUDHANI	Medical Image Analysis using Deep learning techniques	SUNDARESAN RAMAN	CSIS

S.No	BITS ID	Name	Title	Supervisor	Department
168	2013A7TS087P	GAYATRI H BHAT	Computational Modeling of Grammatical Constraints on Code-Switching	Monojit Choudhury	CSIS
169	2013A7TS100P	ANUJ BANSAL	SLAM FOR MULTI-ROBOT-SYSTEM	SUDEEPT MOHAN	CSIS
170	2013A7TS119P	SANKEET SHAH	Device-to-device file sharing as a network substrate	Bill Thies	CSIS
171	2013A7TS126P	GYANENDRA MISHRA	ADVANCING PROTECTION OF CYBER PHYSICAL SYSTEM	Aditya P Mathur	CSIS
172	2013A7TS129P	PURAV SHAH	Language Detection and its application to Machine Translation	Gopal Srinivasa	CSIS
173	2013A7TS149P	ATISHAY JAIN	PARALLEL FRAMEWORK FOR DENSITY BASED SUBSPACE CLUSTERING	POONAM GOYAL	CSIS
174	2013A7TS161P	GARGI SHARMA	Text Summarization using Paraphrase Detection in Indian languages	YASHVARDHAN SHARMA	CSIS
175	2013A7TS164P	NITESH VIJAY	End to end Encrypted Chats synced across multiple devices of user	Yatin Sarbalia	CSIS
176	2013A7TS179P	NILAY JAIN	CONFIGURATION AND PROGRAMMING OF HIGH PERFORMANCE COMPONENTS	Devashish Sharma	CSIS
177	2013A8TS186P	NANI VISHNU VARDHAN REDDY	Design and Optimization of Infrared based Free Space Optical Networks	DR RAHUL SINGHAL	EEE
178	2013A8TS272P	Gsrvit Goel	Implementation of RCAC algorithm on FPGA	Dennis S . Remstein	EEE
179	2013A8TS343P	ACHINT MITTAL	Harnessing Automobiles for Safety	GOPAL SRINIVASA	EEE
180	2013A8TS404P	GAURAV SHRIVASTAVA	Extraction of spatial entities from text and associated information	DR MATHIEU ROCHE	EEE
181	2013A8TS427P	R.S.Veerarraghavan	Quantum Transport using NEGF formalism	KARI BABU RAVI TEJA	EEE
182	2013ABTS573P	Aditya Pande	Gesture recognition based control for industrial robots	Prof. B.K.Rout	MECHANICAL
183	2013ABTS745P	Mridul Gupta	Understanding various aspects of post harvest supply chain of perishable and semi perishable agricultural products	Dr. Murali Palla	MECHANICAL
184	2013ABTS771P	Hemabh Trivedi	: Development of framework for estimation of manufacturing process reliability	Prof. R.P.Mishra	MECHANICAL
185	2013B1TS860P	Ritaik chakradhau	Understanding miRna-mRna interaction profile using network theory	Dr.Shibasish Chowdhury	BIOLOGY
186	2013B5TS448P	Namitha Suresh	Electroweak Baryogenesis in the Froggatt-Nielsen Mechanism with Varying Yukawas	Geraldine Servant	PHYSICS
187	2013B5TS960P	Soma Mishra	Fabrication and low-temperature characterization of superconducting thin film microwave resonators of Aluminum and Niobium	Vibhor Singh	PHYSICS
188	2013D2TS988P	YASHODHARA	Predicting energy efficient behaviour based on people's value systems, beliefs and attitudes: A comparative case study of India and Germany.	DR SAILAJI N	HSS

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S.No	ID No	Name	Title	Supervisor	Department
1.	2012B3A7479G	Abhinav Mittal	Personal profiling using web data mining	Dr. Bharat M Deshpande	CS&IS
2.	2013A7PS464G	Rajat Gupta	using Artificial Intelligence to optimise healthcare analytics	Dr. Veeky Baths	CS&IS
3.	2012B5A8276G	Shrey Pareek	Neutron stars with Dark Matter Core	Kinjal Banerjee	Physics
4	2013A1PS521G	Narayani Kelkar	control of Non Square systems	Dr.Dhanya Ram V	Chemical Engg
5	2012B5A8538G	Shashank Gupta	Some Aspects of dark matter phenomenology searching for dark matter in collidar & astrophysics	Dr. Prasanta Kumar Das	Physics
6	2012B4A7714G	Ayush Pandey	Analysing Bram signals using machine Learning	Dr. Alpesh M. Dhoiraja	Mathematics
7	2012B2A7629G	Sagar Verma	QSPR modelling of super Critical Solvents	Dr. Raghu Nath Behra	Chemistry
8	2012B2A16114	Vipul Goyal	Synthesis of Polybenzimidazole based membrane	Dr. Jegatha N Krishnan	Chemical Engineering
9	2012B3A3385G	Atishay Jain	Analysis of Indian financial market behaviour	Dr.Anoop S Kumar	Economics
10	2013A4PS856G	Dhaval Milind Mohandas	Nonstandard Finite Difference methods to partial differential equations.	Dr. P Dhanumaya	Mechanical Engineering
11	2013A4PS394G	Sri Bhaswath Akella	Engine performance study and misfire detection in S.I. Engine	Dr. Shibu Clement	Mechanical Engineering
12	2013B4PS543G	Ahuja Jiten Amar	Special functions and summability methods	Dr. Pradeep Boggarapu	Mathematics
13	2012B4A4412G	Ambareesh Rathi	Simulation of high temperature wear behaviour of TBC surfaces using Abacus	Dr. G. Karthikeyan	Mathematics
14	2012B4A4443G	K. Balaje	Discontinuous galekin finite element methods (DGFEM) for the nonlinear parabolic PDEs	Dr. P. Dhanumjaya	Mathematics
15	2012B5A8366G	Swapnil milind Mhatre	I- Dimentinal P-n junction nanorods for photovoltaic applications	Dr. Dipankar Pal	EEE
16	2013A8PS478G	C. A . Valliappan	Hardware software to desing for variable high voltage and accurate pulse generator	Dr. A. Amalin Prince	EEE
17	2012B3A8440G	Ankur Madiyan	Research on antennas and their applications	Dr. Sudeep Baudha	EEE
18	2013A1PS423G	Kabir Dingra	High pressure vapour- liquid equilibrium at different temperature and pressure	Prof. Srinivas Krishnaswamy	Chemical Engineering
19	2013A1PS648G	Luv Sharma	Fabrication of Gold Nanostructure arrays using Modified Nanosphere Lithography	Dr. Jegatha N Krishnan	Chemical Engineering
20	2013A1PS107G	Priyanshi H Vадalia	Experimental determination of a modelling equation for the rate of coking in crude oil	Prof. Srinivas Krishnaswamy	Chemical Engineering
21	2012B1A4594G	Anuraag Gupta	Intrinsic disorder in transmembrane proteins: Role in signalling and topology prediction	Dr. Sukanta Mondal Dr. G Karthikeyan	Biology
22	2013A4PS361G	Akshay Anandrao Sonandkar	Optimizing resource usage in manufacturing of plastic components.	Dr. Mridula Goel	Mechanical Engineering
23	2013A4PS332G	Harshit Garg	Stress field in random composite	Dr.Gaurav Singh	Mechanical Engineering

S.No	ID No	Name	Title	Supervisor	Department
24	2013A4PS387F	N. Adithiya	Dynamic mechanical Analysis of Composite materials	Dr. Sachin Waigaonkar	Mechanical Engineering
25	2013A4PS288G	Varun Raj	Identification of MR Damper equation : Numerical & Experimental approach	Prof. P.M. Singru	Mechanical Engineering
26	2012B1A4649G	Prateek Kachoria	On-Site electro-chemical waste water treatment	Prof. M. Srikanth	Biological Sciences
27	2013B3PS499G	Abhinav Setia	Forecasting employment demand and trade: Regional I O approach in Europe	Dr. Debasis Patnaik	Economics
28	2013A1PS223G	Chindhade Aditya Girish	Experimental investigatins on coke reduction in refinery systems using HTFIS testing	Dr. Srinivas Krishnaswamy	Chemical Engineering
29	2012B5A8428G	Anuj Gupta	Design & Implementation of RISCv Pipeline for superscalar micro architecture	K. R. Anupama	EEE
30	2013A3TS175G	Tanmay Anil Patil	Implementation of amplitude equilisation and short time fourier transform on FPGA	Dr. A Amalin Prince	EEE
31	2012B3A8536G	Divya	The use of Big Data for social Sciences Research -A Reference to Indian Industry	Dr.Aswini Kumar Mishra	Economics
32	2012B5A4716G	Vijit Maithel	Dynamics of simplified monsoon models	Prof. J. Srinivasan	Mechanical Engineering
33	2012A4B5299G	Akshay Binwale	Study of Novel Condensor coil with Pre-Cooling in an Air Conditioning System	Prof. Poh Seng Lee	Mechanical Engineering
34	2012B1A4652G	Karthik Srinivasan	structural and functional characterisation of an essential subcomplex of the 120MDa nuclear pore complex	Prof. Andre Hoelz	Biological sciences & Mechanical
35	2012A3B5042G	Ameya Riswadkar	Feedback Design in in Super Conducting Quantum Computation	Dr. Rajamani Vijayaraghavan	Physics
36	2013A7PS012G	Patel Pratyush	Use of multicore processors and CPU's in real time systems	Dr. Ragunathan	CS&IS
37	2012B1A3696G	Rahil Parekh	Brain Computer Interfaces Based On EEG Signals	Dr. Luca Mesin	Biological Science
38	2012B3A8498G	Naman Gupta	Application of econometrics concepts like inverse reinforcement learning techniques to Biomedical Robots and then, examining its economic feasibility	Professor Micheal Yip	Economics
39	2012B4A4517G	Varun Chopra	Thermal and Mechanical FE-modelling of additive manufacturing by selective laser melting	prof. Henry Koelher	Mathematics
40	2012B4A4726G	Shreyas Rajapol	Design of helicopters without trail rotors	Dr. Karunakaran	Mechanical Engineering
41	2012B2A3495G	Sahil Tapiawala	Bio-Inspired Robotics and Sensing	Dr. Pablo Valdivia Y Alvarado	EEE
42	2012B1A3700G	P Bharath Srinivas	Approximate Computing for Healthcare	Prof. Akash Kumar	EEE
43	2013A4PS294G	Anmol Sahoo	Development of PyFOAM	Dr. Shivasubramanian gopalkrishnan	Mechanical Engineering
44	2013A4PS369G	Taaresh Sanjeev Taneja	Computational Multi Fluid dynamics development for sumulation for filling & solidification in a casting process	Dr. Atul Sharma	Mechanical Engineering
45	2013A4PS170G	Shubham Basavaraj Karpe	Numerical simulation using Direct simulation Monte Carlo	Dr. Upendra Bhandarkar	Mechanical Engineering
46	2013A4PS015G	Salil Pai	Direct numerical simulations of multiphase flows	Dr. Rajaram lakkaraju	Mechanical Engineering

S.No	ID No	Name	Title	Supervisor	Department
47	2013A4PS235G	Shantanu Yachhani	Analysis of PV- powered latent heat storage for cooling application	Dr. mohammad arifeen wahed	Mechanical Engineering
48	2012B2A4638G	Shashwat Verma	Study and application of electro-mechano chemical sensors in autonomous and intelligents systems for universal autonomy safety and user interaction	Prof. Marcelo H Ang Jr.	Chemistry
49	2012B2A3579G	Riddhish Pandharkar	DFT based investigation on ACF for CH-bond activation	Prof. Dr. Beate Paulus	Chemistry
50	2012B2A3547G	Abhay Sarda	Defect characterization of multiery staline silicon solar cells	Dr. Joel LI Bingru	Chemistry
51	2012B4A7571G	Yash Shirish kasture	Face detection from images using neural networks	Juho Kannala	Mathematics & computer Science
52	2012B4A3711G	kshirsagar Rutuja milind	Bounds on the size of codes	Dr. Krishna Kaipa	Mathematics
53	2012B4A3712G	Janvi Palan	Algorithms for Optimal state sharding in software defined networks	Dr. Paolo Giaccone	Mathematics
54	2012B3A8464G	Aashima Garg	Product catalogue management using statistical analysis	Mr. Madhu Konety (9972585406)	Economics
55	2012B5A8419G	Apoorva Savant	A Study of the suitability of fixed focus optics (as seen in consumer webcams) for their implementation in pupil - tracking applications.	Prof. Mandar Rane	Physics
56	2012B5A4717G	More Sanmit Mukund	Particle image velocimotry measurements of Inclined jets	Dr. Amit Agrawal	physics
57	2012A3B5038G	Samyukta Ramnath	A Moulding framework for dynamical activity in a Macroscopic Region of the brain	Sitabhra Sinha	Physics
58	2011B5A4362G	Mohit W. Patil	Developing the Methodology of using acoustic waves to measure none properties and monitor bone health	Prof. Dr. William R. Taylor	Physics
59	2012B5A3325G	Achint Kumar	Characterization of Human lens Epithelial cells suing Raman Micro-Spectroscopy	Dr. Sangeeta Muruglar	Physics
60	2012B5A4548G	Siddhant Baweja	Solar Energy Utilization	Prof. Ranjana Jha	physics
61	2012B5A3427G	Radhika Nikam	Traffic flow dynamics in Transportation systems using Non-Linear Density wave analysis	Prof. Biplab Sikdar	Physics
62	2012B1A3656G	Siddhi Shyam Ozarkar	Understanding the circuit mechanism by which odors modulate a Fly's Locomotion	Dr. Vikas Bhandawat	Biological Sciences
63	2012B1A3662G	Devansh Raj	Molecular Mechanism --- form plasticity in pristonchus nematodes	Dr. Ralf Sommer	Biological Sciences
64	2012B1A8701G	Radha Vaidya	Computing with brain signals for the development fo brain machine interfaces	Dr. Laura M Oliveira	Biological Sciences
65	2012B1A3670G	Prabhav Mehra	Healthcare device system using the brain computer Interface (BCI) for persons with disability	Prof. Raymong Tong	EEE
66	2012B1A7327G	Ram Alias Gaurav Girish Tamba	EEG-based photo diary app: Automatic picture taking in response to state of mind changes	Dr. Marc M. Van Hulle	Biology

67	2013B5TS364G	Rohit H Nararathna	Superconducting 3D Transmon Qubit: Desing, Fabrication and Measurements"	Dr. Vibhor Singh	Physics
68	2013A3PS348G	Pranav Pal Lekhi	Cooperative Hybrid Automatic Report Request (HARQ)	Tommy Svensson	EEE
69	2012B5A3514G	Bittu N	Implementation of High Speed Control electronics for atomic force microscopy	Mani Chandra	EEE
70	2012B4A3737G	Akshar Gupta	Real time face capture and re-enactement algorithms	Harikrishna valiyath	EEE
71	2012B3A8411G	Bhavya Aggarwal	Information and communication technology and Gender Inequality	Prof. Hema Swaminathan	EEE
72	2013A8PS678G	Yash Choudhary	Bridging the Gap between image and Text Data	Lu Wei	EEE
73	2012B2A3601G	Garima Yadav	Discrete components based prototype development for JOT application (Field: Biomedical Instrumentation)	Prof. Kari Halonen	EEE
74	2013A8PS790G	Addanki VLSS Vamsi Krishna	Software Defiend network data-plane with FD.io	Dr.Dario Rossi	EEE
75	2013A8PS715G	Pranav Rai	Joint Sequence Labelling using Neural Nets	Dr. Krik cambria	EEE
76	2012B5A7530G	Kevin Abraham	Machine Learning	Mr. Viral Parmar	CS&IS
77	2013A7PS113G	Rumana Lakdawala	Building a Visual representation of a scientist network, based o their publications data, using existing open source tools	Phillippe Cailou	CS&IS
78	2012B1A7735G	Janani Durairaj	Protein - Protein interface prediction Using Machine Learning Methods	Aalt Jan Van Dijk	CS&IS
79	2013A7PS065G	Sudhindra Sajjalguddam	Anomaly detection and correction for time series data	Harish Singh Negi	CS&IS
80	2013A7PS076G	Vishnu C. R	Indoor Human survellance and pattern recognition	Dr. Dinesh Babu J	CS&IS
81	2012B3A7519G	Siddharth Sankaran Dinesh	Study of cross language literature recommendations	Dr. Joeran Beel	CS&IS
82	2012B5A7483G	Priyanka M. P.	Anatomy Localization in Medical images using Deep Learning	Guillaume Charpait	CS&IS
83	2013A7PS055G	Raghau Passi	Prius - Priority Inbox	Gopal r. Srinivasa	CS&IS
84	2012B3A7371G	Abhishek Mohta	Ideation of an artificial intelligence enhanced angelic verification module for analysis of large scale code base	Mr. Gopal Srinivasa	CS&IS
85	2012B4A3545G	Chirag Shekhar	Applications of statistical methods and estimation algorithms	Prof. Dr. Mark Trede	EEE
86	2013A7PS067G	Ananya Girraj Garg	Artificial intelligence in a logical programming paradigm	Prof. G Sivakumar	CS&IS
87	2012B4A7616G	Kandregula S.S. Priyanka	Application of Number Theory in Cryptography	Dr. R. Thangadurai	Mathematics
88	2012A1PS672G	Akshat Kohli	Biological Nutrient removal process for sewage Treatment plants in Smart Cities : Reuse and Recycle	Dr. Manish Jain	Chemical Engineering
89	2012B5A1727G	Devdutt Sharma	Mixing processes in the bay of Bangal	Prof. Rama Govindarajan	Chemical Engineering
90	2012B2A1636G	Hardik Hingorani	Chemical Synthesis of 3D Printable functional Materials	Dr. Kevin Ge Qi	chemical engineering
91	2012B2A1610G	Tanmay Netke	Removal of Soft Particles by Microfiltration Membranes	Prof. Dr. Mathias Ulbricht	Chemical Engineering

92	2013A1PS454G	Abhijay Giri	Fischer-Tropsch synthesis - Alternative process Configurations	Seethamraju Srinivas	Chemical Engineering
93	2012B5A4329G	Sagnik Bhattacharya	Analysis of Stress & Strain in Gas turbines using finite Element method	B K. Jha	Physics
94	2012B5B4247G	Ashwin Krishnan	Index theories for quantum graphs	Dr. W.D. Van Suijlekom	Mathematics

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S.No	BITS ID	Name	Topic	Supervisor	Department
1	2012B2A1851H	SUDDHAPALLI S S SHARAT KUMAR .	A Comprehensive three dimensional CFD modeling of planar solid oxide fuel cell	Dr. Subhas Ghosal	Chemistry
2	2012B2A3833H	MANE ANIKET CHANDRAKANT .	Design and analysis and modelling of graphene and other metal oxide semiconductors in electronic devices	Dr. Durba Roy	Chemistry
3	2012B2AA608H	RANADE OMKAR VIVEK	Calculation of electronic band structure of semi conducting materials	Dr. Subhas Ghosal	Chemistry
4	2012B2AA674H	ADAVENI SAI CHARAN KUMAR .	Synthesis and characterization of nanomaterials and their catalytic applications	Dr. Ramakrishna Ganesan/Dr. Balaji Gopalan	Chemistry
5	2012B2AA708H	JAYANT .	Structural properties of solid through molecules dynamic simulations	Dr. Subhas Ghosal	Chemistry
6	2012B4A2699H	ROUTHU POOJITH GOUD .	Stochastic models for decision making in different alternatives using cross entropy & fuzzy sets	Dr. P T V Praveen Kumar	Mathematics
7	2012B4A3922H	ABHISHEK VARMA ALLURI .	A mesh free solver for inviscid compressible flows	Dr. Anil	Mathematics
8	2012B4A4665H	VANKADARA VENKATA RAMA MAHENDRA	Transport phenomena non-cartesian orthogonal curvilinear co-ordinates	Dr. T S L Radhika	Mathematics
9	2012B4AA593H	NUJARLA SAI AVINASH .	Mathematical modeling of transport phenomena in non cartesian orthogonal co-ordinates	Dr. T S L Radhika	Mathematics
10	2013B4TS428H	KOMAL PREMSHANKAR AGRAWAL .	Topics in categorical commutative algebra & algebraic geometry	Dr. Abhishek Banerjee/Dr. Jagan Mohan J	Mathematics
11	2012B5A1444H	AVASARALA SATYA TEJA .	Fabrication of microfluidic channels for guiding and tracking of cancer cells for hyper thermal applications	Prof. Kannan Ramaswamy/Prof. Sanket Goel	Physics
12	2012B5A3544H	SUHRUDH REDDY SANNAPA REDDY	Air showers analysis using CORSIKA (A detailed software for extensive airshower)	Dr. Rahul Nigam	Physics
13	2012B5A3601H	CHANDEKAR PRANAY DIPAK .	Optimization of CRM and PWA modules for ALICE board and monitoring of cosmic rays data	Dr. Rahul Nigam	Physics
14	2012B5A4605H	NELANUTHALA V S ASHWIN .	Synthesis and characterization of silica based magneto-plasmonic Nano beads and investigations of its suitability for hyperthermia applications	Prof. Kannan Ramaswamy/Dr. Sashideep Gutti	Physics
15	2012B5A4667H	KUSUMANCHI SURYA VAMSI .	Study and simulation of soft magnetic structures	Dr. Satya Narayana Murthy	Physics
16	2012B5A8662H	SANNE UJWAL SRIHARSHA .	Determination of curvature of cornea from digital images	Prof. P K Thiruvikraman	Physics
17	2012B5AA261H	KOPPARTHI VENKATA RATNAM BHARADWAJ	Renormalization of charge in Quantum electrodynamics	Dr. Rahul Nigam	Physics

S.No	BITS ID	Name	Topic	Supervisor	Department
18	2012B5AB581H	SRI AMARNATH MUTYALA .	Statistical Mechanics of Money	Prof. P K Thiruvikraman	Physics
19	2013B5TS450H	MANWATKAR CHARUDATTA RAVINDRA .	Phase sensitive electromagnetically induced transparency	Prof. Andal Narayanan/Dr. K V S Chaitanya	Physics
20	2013B5TS503H	JULIUS .	The expected characteristics polynomial of one dimensional random band matrices	Prof. Yan Fyodorov/Prof. P K Thiruvikraman	Physics
21	2013A1TS411H	AISHWARYA NAIR .	Computational fluid dynamics simulation of multiphase flow using VOF method in axisymmetric geometry	Dr. Ratul Das Gupta/Dr. Vikranth Kumar Surasani	Chemical Engineering
22	2013A1TS511H	BHASKAR PURUSHOTTAM SOMAN .	Developing 3D printer filaments that are biomaterial based and eco-friendly	Dr. Sounak Roy/Prof. Srikanta Dinda	Chemical Engineering
23	2013A1TS701H	NIMMAKAYALA VENKATANAGADE EKSHA .	Characterization of resole type reins	Dr. Ramesh Babu A/ C Sharada Prabhakaran	Chemical Engineering
24	2013A2TS392H	KOTASAIKUBAIR .	Assessing the seismic failure of hybrid structures using coupled damage plasticity theory-A Fracture mechanics approach	Mr. Kalyana Rama J S	Civil Engineering
25	2013A2TS554H	HRIDYESH RAJ TEWANI .	Finite element mechanics of bio-films	Dr. Chandu Parimi/Dr. Amrita Priyadarshini	Civil Engineering
26	2013A2TS581H	REETI SARKAR .	A new approach to wind analysis of building	Prof. P N Rao/Dr. Sabareesh G R	Civil Engineering
27	2013A2TS897H	PATIL RANJIT RAJIV .	Strengthening a Tubular Structure with Irregular Plan Configuration Subjected to Seismic Load	Mr.Kalyana Rama J S/Dr. Mohan SC	Civil Engineering
28	2013A4TS047H	FURQAN .	Development of surface Plasmon resonance sensor for detection of oral cancer	Prof. Yogeeswari/Dr. Arshad Javed	Mechanical Engineering
29	2013A4TS061H	SURYADEVARA PRUTHVI .	Design a workable airborne wind turbine using CFD and FEA simulations	Prof. Jeevan Jaidi	Mechanical Engineering
30	2013A4TS105H	PARVATHY K K .	Numerical simulation of particle motion in stress driven cavity	Dr. Henbrik/Dr. Supradeepan K	Mechanical Engineering
31	2013A4TS303H	B V SAMEER KUMAR .	Parallelization of 2D Nas solver using MPI	Dr. Supradeepan K	Mechanical Engineering
32	2013A4TS447H	SMRITI SHAH .	Design, analysis and control of bio-inspired actuators	Dr. Pablo Valdivia Y/Dr. Sabareesh G R	Mechanical Engineering
33	2013A4TS461H	BHARADWAJ G V .	Development of 3D unstructured solver for solving N-S equation of incompressible flows using CFR scheme	Dr. Supradeepan	Mechanical Engineering
34	2012B4AB864H	THOMMANDRA SAI KAUSHIK .	Understanding the material characteristics and machining behavior of tungsten heavy alloys using finite elemental analysis	Dr. Amrita Priyadarshini	Mechanical Engineering
35	2013A4TS469H	C JOSHUA AMRITH RAJ .	Topology optimization of a robotic manipulator	Dr. Arshad Javed	Mechanical Engineering
36	2013A7TS015H	SAGAR SRIVASTAVA .	Developing detectors based on vision techniques for Harnessing automobile safety	Dr. Akshay Narashiman/Prof. Anand Narasimha Murthy	Computer Science and Information system
37	2013A7TS042H	HERAM PRANAV .	Dynamic portfolio optimization	Dr. Anukur Sinha/Dr. Aruna Malapati	Computer Science and Information system
38	2013A7TS044H	SAI PRATHIK S B .	Analyze and extend capacity estimation schemes for multimedia flows in DTN	Mr. Abhishek Thakur	Computer Science and Information system

S.No	BITS ID	Name	Topic	Supervisor	Department
39	2013A7TS066H	B VENKATESH .	Crowd powered meida delivery facilitating ubiquitous device to device file transfer	Dr. Colin Scott/Mr. Abhishek Thakur	Computer Science and Information system
40	2013A7TS095H	EPURI SAI ESWAR .	Big data software engineering	Prof. N L Bhanu Murthy	Computer Science and Information system
41	2013A7TS181H	SINGAPURAM SANJAY SRIVALLABH .	GPGPU optimizations using the polyhedral model	Dr. Ramakrishna Upadrasta/Dr. Aruna Malapati	Computer Science and Information system
42	2013A7TS243H	PHALGUNA BANDI R .	NC	Prof. Tathagata Ray	Computer Science and Information system
43	2013A7TS387H	CHIVUKULA SATYA ADITYAKRISHNA .	Speech segmentations and speaker diarization using neural networks and language models	Dr. Joachim Kohler/Prof. N L Bhanu Murthy	Computer Science and Information system
44	2013A8TS467H	T NITHIN KUMAR SINGH .	Mesh generation for 3D point cloud data	Prof. Tathagata Ray/Mr. Chetan Kumar	EEE
45	2013AATS207H	SHREYAS NANDI .	Calibration of simulation model for P-type mono crystalline Si solar cells	Dr. Abhishek Imar/Dr. Prasant Kumar Pattnaik	EEE
46	2013AATS233H	CHANDRAJA D .	Develop of fusion framework to combine activity and action recognition for video event detection	Dr. Francois Bremond/Dr. S K Sahoo	EEE
47	2013AATS268H	GANGISHETTY AKHILESH .	State of the art fully-depleted semiconductor on insulator double gate tunnel field effected transistor devices & circuits research	Dr. Surya Sankar Dan	EEE
48	2013AATS318H	PATTAPU CHINMAYEE .	A simple geometric derivation of classical mechanics and an extension of this method to classical and quantum fields	Dr. Sashideep Gutti/Prof. Prabhakar Rao	EEE
49	2012B4AA698H	PINNIKA PRASNA .	Classification of power quality disturbances using wavelet transformations and artificial neural networks	Dr. M Sushama/Dr. Alivelu Manga	EEE
50	2012A7A4022H	SUJEATH PAREDDY .	Computational synthesis and additive manufacturing of voronor foams	Dr. Swaminathan Manohar/Prof. A K Gupta	Mechanical Engineering
51	2012ABA4431H	ADITYA KUMAR .	Modelling of specific cutting energy during machining of Ni-based super alloys under nano-minimum quantity lubrication environment	Dr. Surdarshan Ghosh/Prof. Sandip S Deshmukh	Mechanical Engineering
52	2012B1AB961H	V V S GARGEYA .	Environmental life cycle analysis of wind energy as an energy source in Indian contest	Dr. Shweta Singh/Dr. Sabareesh G R	Mechanical Engineering
53	2012B2A3854H	R RANGANATHAN .	Design and implementation of a L -TAGE branch predictor	Dr. V Ramakoti/Dr. Soumya J	EEE
54	2012A3B5308H	SRUTHI V .	Graphene Opto Electronics	Dr. Ambarish Ghosh/Dr. Souvik Kundu	EEE
55	2012B5A3604H	SHAH MANAV KAMLESH .	Plasmon exciting coupling in quantum dots	Dr. Achanta Venu Gopal/Dr. Souvik Kundu	EEE
56	2012B5AA382H	S SHRAAVAN .	Study of polar codes and their performance	Mr. P Navinnath/Prof. Yoganadam	EEE
57	2012B5AA628H	ARKADIP BASAK .	High resolution cadmium zinc detector uniformities on spatial scales of 0.1mm	Prof. Jonathan E/Dr. Souvik Kundu	EEE

S.No	BITS ID	Name	Topic	Supervisor	Department
58	2012B5AA921H	VIKAS A G .	Development of code for the FPGA in the control module of the LIDAR	Prof. I L Hung park/Dr. Souvik Kundu	EEE
59	2012B4A7498H	ADITHYA MURALI .	Algebraic structures for prefix languages	Dr. Geraud Senizergues/Prof. Tathagata ray	Computer Science and Information system
60	2012B1A3724H	SANCHIT MISHRA .	Biomedical Imaging - hardware & software design for hand held purposes	Dr. Bhuvaneswari/Dr. Debashree Bandyopadhyay	Biological Sciences
61	2012B5A4909H	ANIRUDH RAMESH .	Study of Graphene Based high mobility transistors and their optical properties	Dr. Mandar Deshmukh/Prof. Souri Banerjee	Physics
62	2012B2AB709H	BODABALLA SIMHACHAL KUMAR .	Organic reaction mechanism through DFT calculations	Dr. Subhas Ghosal	Chemistry
63	2012B3A1556H	DANDAMUDI CHANDRAHAS .	Estimating daily volatility in Indian equity derivatives markets	Dr. Nagaraju Thota	Economics and Finance
64	2012B3A1623H	PRANJAL BARANWAL .	Development dynamics in India	Dr. Durgesh Pathak	Economics and Finance
65	2012B3A4590H	LAKSHYA SHARMA .	A combined study of conditioned based maintenance activities for wind turbine systems. Conducting cost-benefit analysis by taking in to consideration down-time costs for each CMB activity	Dr. Sudutta Banerjee/Dr. Sabareesh G R	Economics and Finance
66	2012B3A7596H	DARIPINENI PHANI TEJA .	Impact analysis of development policies	Dr. Rishi Kumar	Economics and Finance
67	2012B3A4569H	SUMIT KARVADE .	Estimation of energy demand and analysis of consumer choice of fuel	Prof. Sandip S Deshmukh	Mechanical Engineering
68	2012B3AB936H	MEELA NIKHITHA .	Study of materials characteristics of parts produced using metal additive manufacturing	Dr. C P Kiran	Mechanical Engineering
69	2012B4AB683H	ABHIRAM CHILUKURI .	Determination of IC model contains using optimization techniques	Dr. Amrita Priyadarshini	Mechanical Engineering
70	2012B4A4676H	CHITTURI V G S S VEERABHADRAVIK AS	Multi-class optimization using Topsis method	Prof. N Suresh Kumar Reddy	Mechanical Engineering
71	2012B4A3688H	AMANDEEP GUPTA .	Radar signal analysis implementation using python and python-based libraries	Dr. Srinivasa Rao Zinka	EEE
72	2012B4A3818H	ADITYA JINDAL .	Cosmological models with dark energy and modified gravity	Prof. Bivudutta Mishra	Mathematics
73	2012B4A7691H	KONA DHIRANE SATVIK .	Parallelization of Graphs	Dr. Michel A/Dr. Anand Narasimha Murthy	Mathematics
74	2012B4A8897H	ANANYA ANURAG .	Microfluidic PCR for DNA Amplification	Prof. Sanket Goel/Dr. Anil	Mathematics
75	2012B4AA543H	CHINTAPARTI MANOJ KUMAR .	Stability analysis of dynamical systems disease dynamics	Dr. K Venkat Ratnam	Mathematics
76	2012B4AA703H	SAI KRISHNA VINNAKOTA .	Discrete fractional order state space systems	Dr. Jagan Mohan J	Mathematics
77	2012B5A8941H	TANYA SHRIVASTAVA .	Extraordinary optical transmission through plasmonic nano-hole array in Ag* A4 alloys : simulation studies	Prof. Kannan Ramaswamy	Physics
78	2013A2TS592H	BOYAPATI KOMAL SREE TEJA .	An investigation on engineered cementitious concrete	Prof. P N Rao	Civil Engineering
79	2013A2TS593H	J VINAY .	Utilization of rubber in RAP mixture to improve the performance	Prof. Sridhar Raju	Civil Engineering

S.No	BITS ID	Name	Topic	Supervisor	Department
80	2012B3A2379H	PRANAV MISHRA .	Water quality modeling using artificial neural Network	Prof. Jagadeesh Anmala	Civil Engineering
81	2012B3A1645H	SOURAV AGRAWAL .	Studies on fly ash based polymer composites	Dr. D. Purnima	Chemical Engineering

**FDTS
DUBAI CAMPUS SEM-II 2016-17**

S.No	ID No	Name	Title	Supervisor	Department
1.	2013A7TS136U	Aashraya Kumar Yogi	Improvements In Human Computer Interaction Along With Advancement In Computer Technologies	Dr. Siddhaling Urolagin	CS
2.	2013AATS126U	Aastha Bhardwaj	Stress Measurement In Thin Films	Dr. Anand Kumar	ECE
3.	2013A3TS270U	Abhishek Mahajan	Target And Manage Motor Symptom Of Parkinson's Disease By Developing Wearable Technology	Dr. Swarnalatha	EEE
4.	2013A7TS319U	Akash Mundra	Satellite Image Processing Using Neural Networks	Dr. V.Santhosh Kumar	CS
5.	2013A7TS119U	Alok Rajiv	Techniques For Data-Access By Javascript In Runtime Environments	Dr. V.Santhosh Kumar	CS
6.	2013AATS368U	Ameya Nitin Kulkarni	Machine Learning Based Mathematical Modelling For Classification Of Eeg	Dr. Shazia Hasan	ECE
7.	2012A7TS350U	Anantha Krishnan	Design, Analysis And Implementation Of An Algorithm For Automated Text Summarization For Big Data	Dr B Vijaya Kumar	CS
8.	2013A7TS206U	Ayanava Sarkar	A Study On Incremental Machine Learning Using Tensorflow	Dr. Sujala D Shetty	CS
9.	2013A7TS114U	Ayush Garg	Erp Medical System	Dr. Sujala D Shetty	CS
10.	2013AATS032U	Don Joe Martin	Robotic Manipulator Modeling In Matlab-Simmechanics With Control Strategies	Dr.V. Kalaihelvi	ECE
11.	2013A3TS043U	Mahidhara Utsav	Analytical Feasibility Study Of The Electrification Of A Public Bus Route In India	Dr. Shazia Hasan	EEE
12.	2013AATS044U	Namitha Sathish	Modeling Of Polysilicon Based Piezoresistor Structural Layer On Cantilever For Biomems Applications	Dr. Anand Kumar	ECE
13.	2013A4TS109U	Nikhil Reji Thomas	A Theoretical Desing For A Zero Energy House In The Middle East	Dr. R. Udaya Kumar	MECH
14.	2013A1TS166U	Rekhpalli Sri Shreya	A Comparative Study On The Removal Technologies Of Acetylsalicylic Acid From Water	Dr. Geetha Kannan	CHEM
15.	2013A7TS183U	Rishav Jalan	Design Of A Smart Chatbot Interface Using Neural Networks	Mr. Nand Kumar	CS
16.	2013AATS325U	Sahil Mulchandani	Comparison Of Different Modulation Techniques And Various Detection Algorithms In Mimo Systems	Dr. M. Raja	ECE
17.	2012A3TS127U	Sankalp Sethi	Software Tool Implementing The Bsim-Cmg Model For Double Gate Finfets	Dr. Anand Kumar	EEE
18.	2013A1TS342U	Shah Maurya Mukeshbhai	Photocatalysis: Degradation Of Methylene Blue Under Visible Light Using Doped Photocatalyst	Dr. Rajib Ghosh Choudhury	CHEM

S.No	ID No	Name	Title	Supervisor	Department
19.	2013A9TS264U	Shaikh Faisal Zaman	Characterization Of Biomass And Optimization Of Its Growth Conditions For Bioenergy Applications	Dr.S Ramachandran	BIOT
20.	2013A7TS105U	Shrey Iyengar	Water Detection And Structure Detection On Satellite Aerial Images	Dr. Vadivel Sangil	CS
21.	2013AATS191U	Subeen Jain	Modification In Kasumi And Zuc To Improve Encryption Of Mobile Data Communication	Dr. M. Raja	ECE
22.	2013A7TS240U	Singh,Shikhar Sanjay kumar	Design And Implementation Of Smart Water Management System	Prof. Rahul Banerjee	CS
23.	2012A1A9091U	Radhika Narain	Developing Enzymatic And Antibody -Based Tools For Decoding Complex Drugs And Diseases Ii	Dr. Nishant Pandya	CHEM
24.	2013A3TS158U	Jerin Jacob	Doubly Fed Induction Generator Driven By A Wind Turbine (Modelling Of Vawt In Electrical Domain)	Dr. A.B. Chattopadhyay	EEE
25.	2013A4TS308U	Sandeep Paleri	Tig Welding Of Ss/Ni Dissimilar Metal Welding	Dr. Ram Karthikeyan	MECH

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PILANI CAMPUS SEM-I 2017-18

S.No.	BITS ID	Name	Topic	Supervisor	Department
1	2014A5PS843P	Anannya Sirkar	Effect of acute Kidney Injury and simultaneous hyperglycemia on liver functioning	Dr. Anil Gaikwad	Pharmacy
2	2011A5PS800P	R.Sanjula	Standardization of natural drugs	Dr.Atish Paul	Pharmacy
3	2013B5A3440P	PIYUSH SHARDA	Unifying star formation laws with alma	Dr. Christoph Federrath	EEE
4	2014A3PS212P	Nihal Murali	Deep learning and representation learning for sequential data	DR GRAHAM TAYLOR	EEE
5	2014A8PS367P	Akshay Mundra	Deep learning applied to autonomus driving task	DR ANTONIO LOPEZ	EEE
6	2014A3PS182P	Jetti Sai Gowtam Chandrasahasa	Piezo electric bending actutors in high electric foeld system	Dr. Nilanjan Chattaraj	EEE
7	2014A8PS529P	Siddharth V. Iyer	Interactive coding schmes for noise resilient communication	DR RAN GELLES	EEE
8	2013B5A3680P	Shubhendra Singh	Design considerations for application specific VLSI processor	Dr. Chandra Shekar	EEE
9	2014A3PS188P	Kunal Gupta	Adpative learning control	DR Y U HAOYONG	EEE
10	2014A3PS288P	Abhishek Goel	Pose estimation for action recognition	DR FRANCOIS BERMOND	EEE
11	2014A3PS216P	Ayeha Vermani	application specific advanced computer architecture	Dr. Chandra Shekar	EEE
12	2014A3PS225P	Deepankar Jain	Biometric identification	Dr. K K Gupta	EEE
13	2013A3A7244P	A. Anjana	Implementation of light-weight cryptography protocols	Dr. Chandra Shekar	EEE
14	2014A3PS174P	Vishv Shrava Sharma	Computer Vision (nutrients from image)	DR RAMESH JAIN	EEE
15	2013B4A8103P	Subham Sharma	Design and analysis of aspects of physical layer of IOT communication system	Dr. Sainath Bitragunta	EEE

S.No.	BITS ID	Name	Topic	Supervisor	Department
16	2013C2PS140P	Virinchi Ready Katthula	TUNNLED IOT PROTOCOL	Dr. Sailaja Nandigama	HSS
17	2013B2A2845P	Harsh Sharma	Amino Catalytic Synthesis of Oxazepine Related Scaffolds.	Dr. Indresh Kumar	Chemistry
18	2013B2A4224P	Abhishek Raj	Synthesis of new aggregation induced emission active polymers and study of its photophysical properties.	Dr. I R Laskar.	Chemistry
19	2013B2A4313P	Aditya Chauhan	Detailed catalytic study of properties of encapsulated metal complexes in Zeolite-Y and MCMY.	Dr. Saumi Ray	Chemistry
20	2013B2A4777P	Surayans Tiwari	Amine Catalysed Synthesis of Nitrogen Heterocycles.	Dr. Indresh Kumar	Chemistry
21	2013B2A4802P	Abhishek Kathuria	Studies in Carbonylation reactions.	Dr. Bibhas R Sarkar	Chemistry
22	2013B2A4830P	Karthik Maddipoti	Comparative Catalytic Studies of Hybrid Host-Guest Systems by Changing the Hosts.	Dr. Saumi Ray	Chemistry
23	2013B2A7803P	Anshul Chhabra	Study of host-guest hybrid systems as catalyst for dye digradations.	Dr. Saumi Ray	Chemistry
24	2013B2A7850P	Deepanshu Gupta	Computer Code Development in Electronic Structure Method.	Dr. Prashant U Manohar	Chemistry
25	2013B2A1825P	Devansh Agrawal	IR Dehydration of fruits & vegetables.	Dr. Bharti Khungar	Chemistry
26	2013B2A1844P	Anant Kumar Jain	Synthesis of Copper(II) Complexes using D-Glucose Derivatives and their Application in Oxid Reaction.	Dr. Ajay Kr. Sah	Chemistry
27	2013B2A3026P	Hardik Mittal	Study Epoxidation of FAME Biodiesel Molecules.	Dr. Bibhas R. Sarkar	Chemistry
28	2013B2A3824P	Sarthak Raheja	Synthesis of bimetallic nanoparticles via under potential deposition technique.	Dr. Surojit Pande	Chemistry
29	2013B2A3838P	Harsh Sinha	Emission properties of triplet harvesting materials in the reverse micellis of gemini sunfactants: Effect of spaces chain length of the surfactants.	Dr. Subit Kr. Saha	Chemistry
30	2013B2A4416P	Aishwarya Sharma	Pyranopyrazolone Pyrimidine Synthesis and Molecular Docking.	Dr. Paritosh Shukla	Chemistry
31	2013B2A7839P	Abhishek Sharma	Computer code development in electronic structure methods.	Dr. Prashant U Manohar	Chemistry
32	2013B2A8732P	Hridhay M	Synthesis of Novel Nitrogen based Heterocycles as Potential anti-cancer agents.	Dr. Dalip Kumar	Chemistry
33	2013A7TS197P	PRASOON TRIVEDI	Benchmarking of Scheduling Algorithms	ABHISHEK MISHRA	CSIS
34	2013B1A7542P	MANESH NARAYAN K	Parallelization of Machine Learning Algorithms	S. BALASUBRAMANIAM	CSIS
35	2013B4A7743P	AKUL SAREEN	Quantum Algebraic & Number Theoretic Algorithms	ABHISHEK MISHRA	CSIS
36	2013B5A7713P	RAHUL SHARMA	A framework for network monitoring in software Defined Networks	K HARIBABU	CSIS

S.No.	BITS ID	Name	Topic	Supervisor	Department
37	2014A7PS018P	PARITOSH VERMA	A study of topics related of dynamic and distributed graph algorithms	S. BALASUBRAMANIAM	CSIS
38	2014A7PS070P	ANKIT SULTANA	Parallelization of graph clustering constructs in DWARF	S. BALASUBRAMANIAM	CSIS
39	2014A7PS128P	GAURANG BANSAL	A Framework for Analysis of Lung Cancer Images	SUNDARESAN RAMAN	CSIS
40	2013B2A7827P	SRAJIT SAKHUJA	Statistical Natural Language Processing and Machine Learning with Sentimental Analysis, Domain	Lu Wei	CSIS
41	2013B4A7588P	ANMOL KUMAR GUPTA	Generalization of Net Surface Problem for Precise Quantifications of constraint cell shape changes	Florian Jug	CSIS
42	2014A7PS093P	DIVAKAR VERMA	Improving the Scalability and Efficiency of the Systematic Paradigmatic Model	Simon Dennis	CSIS
43	2014A7PS096P	PRANAV MISRA	Understanding Mechanisms of High Level Vision, Combing Behavioral Work and Computational Models	Gabriel Kreiman	CSIS
44	2014A7PS104P	AKANKSHA DARA	Building an Association Based Model of Sentence Processing for Information Extraction Using Neural Networks	Simon Dennis	CSIS
45	2014A7PS108P	M SHARAT CHANDRA	Real Time Telemetry of Streaming Video Traffic Using SDN	Vijay Sivaraman	CSIS
46	2014A7PS132P	DIVISH DAYAL	Investigating Instructor Intervention in MOOC discussion forums	Min-Yen Kan	CSIS
47	2014A7PS137P	A ESHWAR RAM	Matchings in Bipartite Graphs	Prajakta Nimbhorkar	CSIS
48	2012B4A4199P	Aniruddha Ghosh	Design of Health Insurance Premiums	Sumanta Pasari	Mathematics
49	2013B4A1786P	Ankur Kumar	Fluid Dynamics	B K Sharma	Mathematics
50	2013B4A3744P	Lakshit Agarwal	Analysing market demand using multivariate statistical analytical tools for a solar products industry	Anil K Bhat	Mathematics
51	2013B4A3765P	Devraj Palit	Delay Tolerant Networking Test bed design and implementation	V S Shekhawat	Mathematics
52	2013B4A4768P	Akash Panigarahi	Supply Chain Management	Srikanta Routray	Mathematics
53	2013B4A7470P	Pranjal Gupta	Artificial Neural Networks	Rajiv Kumar	Mathematics
54	2013B4A7513P	Harmeet Singh Lamba	Numerical Methods for Partial Differential Equations involved in Financial Markets	Devendra Kumar	Mathematics
55	2013B4A7582P	Ketan Chandak	Graph Clustering	Rajiv Kumar	Mathematics
56	2013B4A7586P	Jaskamal Kainth	Numerical Solutions for Partial Differential equations in Option Pricing	Devendra Kumar	Mathematics
57	2013B4A7601P	Pryanshu Arora	Algorithmic Graph Theory	Rajiv Kumar	Mathematics
58	2013B4A7616P	Thakkar Vandit Arvindbhai	Comparative Study of Some Metaheuristics Optimization Algorithms	Chandra Shekhar	Mathematics
59	2013B4A7716P	Arjun Dabra	Character Sum and Their Applications	P.H.Keskar	Mathematics

S.No.	BITS ID	Name	Topic	Supervisor	Department
60	2013B4A7725P	S Vivek	Partial Differential Equations in Hilbert Spaces	Rajiv Kumar	Mathematics
61	2013B4A7834P	Deepanshu Nagpal	Development of Efficient Methods for Face Recognition	Sumanta Pasari	Mathematics
62	2013B4A1211P	Tanuj Arora	Application of Block Chain enabled framework for supply chains in the public health arena	Shashank Garg	Mathematics
63	2013B4A3619P	Shivani Deepak Choudhary	Internet of Things	Jörg Henkel	Mathematics
64	2013B4A4726P	Varun Karulkar	Moving Boundary Problems and Application of Finite Element Methods in Fluid Structure Interactions	Ramsharan Rangarajan	Mathematics
65	2013B4A8738P	Neel Dipesh Choksi	Investigation and Modelling of Brillouin gain in span fiber	Li Qian	Mathematics
66	2013B1AB864P	ANIKET SINGH	Effect of hypothermia on cancer cells	UMA S. DUBEY	Bio
67	2013B1A4576P	AKSHAY GOYAL	Membrane protein simulation and docking	SHIBASHISH CHOWDHURY	Bio
68	2013B1A7856P	ANISH SHAH	Analysis of cis regulatory element in wheat genome	RAJESH MEHROTRA	Bio
69	2013B1A1852	PRIYANK KUMAR CHAUHAN	In silico characterization of a hypothetical protein from Plasmodium sp.	SHILPI GARG	Bio
70	2013B1A7421P	SOURABH BANSAL	Identification of bidirectional promoters in Plasmodium sp.	SHILPI GARG	Bio
71	2013B1A7377P	APURVA V. KULKARNI	Characterization of a hypothetical protein from Plasmodium sp.	SHILPI GARG	Bio
72	2013B1A3862P	GEETA BANSAL	Mathematical modeling of social interaction	SANDHYA AMOL MARATHE	Bio
73	2013B1A2370P	HIMANSHU SHRIVASTAVA	To study the immunological properties of milk	UMA S. DUBEY	Bio
74	2013B1A7865	HARSHIT OBEROI	Plant biotechnology/ Computational	SANDHYA MEHROTRA	Bio
75	2013B1A4263P	SIDDHANT DANG	Genomic analysis of Arabidopsis thaliana	RAJESH MEHROTRA	Bio
76	2013B1A2444P	SRIVALLI CHALLA	Environmental biotechnology	S. K. VERMA	Bio
77	2013B1A8846P	KUNAL PARNAMI	Understanding modular basis of recognition of mRNA by miRNA	SHIBASHISH CHOWDHURY	Bio
78	2013B1A7858P	KHITIJ GANDHI	Understanding modular basis of recognition of mRNA by miRNA	SHIBASHISH CHOWDHURY	Bio
79	2013B1A3848P	DEWANSHU SEWAKE	Field-Programmable Lab-on-a-Chip (FPLoC) for bio-medical tests	Prof. CHEN-YI LEE	Bio
80	2013B1A8817P	TARUN KUMAR VANGANI	Neural networks and machine learning for sequence classifications, summarization etc.	Dr. YUE ZHANG	Bio
81	2013B1A1854P	ABHIJEET CHOWDHURY	Identification of RNA binding proteins that regulate miRNA biogenesis	Prof. Dr. GUNTER MESITER	Bio
82	2013B1A7401P	SAMYADEEP BASU	Development of machine learning methods or RNA sequencing data analysis	Dr. DENIS THIEFFRY	Bio
83	2013B1A1238P	ARNAB CHAKRABORTY	Protein refolding from inclusion bodies of E. coli.	Dr. AMULYA K PANDA	Bio
84	2013B2A1782P	Devansh Agrawal	Development of soft sensor for hydrocracker product quality prediction.	Prof. Hare Krishna Mohanta	Chemical

S.No.	BITS ID	Name	Topic	Supervisor	Department
85	2014A1PS541P	Lakshya Kr Sharma	Data driver process monitoring in polymer industry.	Dr. Ajaya Kr. Pani	Chemical
86	2014A1PS678P	Devang Falor	Improvement of the existing computational approach employed for grain resolving simulation of flows over sediment beds.	Prof. Eckart Meiburg	Chemical
87	2014A1PS716P	Shashank Bhardwaj	Modeling, simulation and sensitivity analysis of methyl acetate reactive distillation process.	Prof. Hare Krishna Mohanta	Chemical
88	2013B3A1549P	Aakash Juneja	Applications of control theoretic models for stock trading.	Dr. Ajaya Kr. Pani	Chemical
89	2013B2A2826P	Buddhavarapu Spandana	Study of residual life of functionally graded composite beams.	S.B. singh	Civil
90	2013B1A2235P	Akshay Jhamb	Investigation into the behaviors of medium high low Lang subjected to hath earthquake and wind load.	Dipendu Bhunia	Civil
91	2014A2PS631P	Pradyumn Awasthi	Variation iteration method (VIM) and its application in structural Analysis.	Manoj kumar	Civil
92	2014A2PS537P	Arun kumar Sharma	Effect on ductility of beams due to high strength concrete.	G. Muthu kumar	Civil
93	2014A2PS547P	Abhishek kumar Jha	Comparative analysis of codal provisions for RCC design.	G. Muthu kumar	Civil
94	2014A2PS524P	Anurag Agrawal	Analysis of bridges using FEM	Manoj kumar	Civil
95	2014A2PS528P	Divyanshu Shankar	Water quality assessment of river ganga using fuzzy logic.	R. srinivas	Civil
96	2014A2PS503P	Shubham Aggarwal	Structural health assessment and rehabilitation.	S.B. Singh	Civil
97	2014A2PS720P	Shreya Pranav	Structural health assessment and rehabilitation.	S.B. Singh	Civil
98	2014A2PS622P	Salil Dubey	Use of plastic coated aggregate for porous pavements.	Amit Goel	Civil
99	2014A2PS769P	Harsh Srivastava	Design of different units of water treatment plant and polarization of its network.	Anupam Sighal	Civil
100	2014A2PS516P	Rajesh Beniwal	Bituminous usir design using plastic coated aggregate.	Amit Goel	Civil
101	2014A2P5791P	Kanishk Saxena	Design for waste water treatment with advanced oxidation process.	Anupam Singhal	Civil
102	2014A2PS685P	Airson	Non-linear push over analysis of RC structures.	G. Muthu Kumar	Civil
103	2014A2PS623P	Mayank Vikhona	Groundwater modeling.	Anupam Singhal	Civil
104	2013B1AB864P	Aniket Singh	Development of a model for assessment of mechanical Components reliability	R.P.Mishra	mechanical
105	2014A4PS374P	Vasu Sharma	Airbone wind energy systems	Moritoz Diehl	MECH
106	2014A4PS357P	Priyanjal Joy	Optimizing Skus (Stock Keeping Units) for Better Supply Chain	Satyendra Sharma	mechanical
107	2014A4PS415P	Abhinav Modi	Analysis of a biped humanoid for Reduction of Vibrations while walking	B.K.rout	mechanical

S.No.	BITS ID	Name	Topic	Supervisor	Department
108	2013B3AB565P	Nikhil R.	Design of flexible fixtures for manufacturing	R.P.Mishra	mechanical
109	2013B1AB428P	Tanhya Chittle	Manufacturing + Biological Sciences	Girish Kant	mechanical
110	2013B2A4825P	Yashitha Jaiswal	Supply Chain Management	Srikanta Routroy	mechanical
111	2013B2AB835P	Prekshar Agrawal	Supply chain Management Risk analysis of agriculture supply chain	Girish Kant	mechanical
112	2014A4PS059P	Doshi Ajinkya Ajaykumar	Homotopy Analysis method and galerkin projections to solve strongly nonlinear possibly non-smooth problems	Amol M. Marathe	mechanical
113	2014A4PS389P	Divya Dhingra	Mathematical Immunology Modeling of salmonella Infection	Amol M. Marathe	mechanical
114	2014ABPS786P	Shubham shukla	Supply Chain Management	Srikanta Routroy	mechanical
115	2013B5A7810P	Srajan Jain	Surface Plasmon Resonance	R K Gupta	Physics
116	2013B5A7674P	Ravindra B Chaturvedi	Transition Metal Doped Cationic Al-P Nano-Clusters	D Bandyopadhyay	Physics
117	2013B5A3451P	Pawan Saran	Transition Metal Doped Cationic Aluminium Phosphorous Nano-Clusters	D Bandyopadhyay	Physics
118	2013B5A2618P	Apoorv Khanuja	Si-P Hybrid Semiconductor Cluster With Diffused Transition Metal Atom : A Density Functional Investigation	D Bandyopadhyay	Physics
119	2013B5A3780P	Rishabh Agarwal	Design, Modelling and FEM Simulation of Capacitive Micromachined Ultrasonic Transducer	S Gangopadhyay	Physics
120	2013B5A4534P	Rishabh Subhash Chaure	Heat Transfer Simulation and Material Response in Nuclear Reactor Core	P Srinivasan	Physics
121	2013B5A3355P	Anirudh Venu	Quantum Complex Networks	S Gangopadhyay	Physics
122	2013B5A2572P	Rahul Narula	Rahul Narula	J N Bandyopadhyay	Physics
123	2013B5A7664P	Arjav Nag	Simulation Based Studies of the Folding of Biopolymers	Navin Singh	Physics
124	2013B5A7635P	Anand Maurya	Cosmological Structure Formation : Excursion Set Approach	T G Sarkar	Physics
125	2013B5A7488P	Ansh Shah	Molecular Dynamics Simulation of DNA Unfolding	Navin Singh	Physics
126	2013B5A7066P	Dhairya Mittal	Computation Studies of DNA Dynamics	Navin Singh	Physics
127	2013B5A8554P	Mohammad Siraj	Helicoidal Structure of DNA	Navin Singh	Physics
128	2013B5A8539P	Nityasa Mishra	Fundamental Issues in Neutrino Oscillations and their resolutions	Sudhakar Pande	Physics
129	2014B5TS958P	Aarushee Rangra	Design of reconfigurable RF antennas based on ionic electroactive polymers and carbon nanomaterials	Christian Bergaud	Physics
130	2013B5A4806P	Rajshikhar Gupta	Design of reconfigurable RF antennas based on ionic electroactive polymers and carbon nanomaterials	Ram Govindarajan	Physics

S.No.	BITS ID	Name	Topic	Supervisor	Department
131	2013B5A4583P	S Sarath Sankar	DYNAMICS OF VORTICES IN VESCOELASTIC FLUIDS	Sreenivas K R	Physics
132	2013B5AB462P	Balavasun Pedapudi	DESIGN OF BEAM OPTICS FOR SCANNING ELECT MICROS	Mani Chandra	Physics
133	2013B5A4688P	Aditya Vijaykumar	ASPECT OF COMPLEXITY IN LOCALITY, ENTANGLEMENT QUA GRAVITY	Chetan Krishnan	Physics
134	2013B3A3658P	VINAYAK AWASTHI	QUALITATIVE AND QUANTITATIVE ANALYSIS FOR THE EFFICIENCY OF RENEWABLE SOURCES OF ENERGY WITH A CONTEXT TO INDIAN POWER GENERATION ENVIRONMENT	KRISHNA M	ECO AND FIN
135	2013B3A7722P	AKSHIT BHATIA	AGRICULTURE SUPPLY CHAIN ANALYSIS AND USE OF BIG DATA	SATYENDRA KUMAR SHARMA	ECO AND FIN
136	2013B3A7304P	TANAYA JHA	APPLICATION FOR SUPPLY CHAIN RISK MANAGEMENT THROUGH VISUALIZATION AND VALUE AT RISK QUANTIFICATION	SATYENDRA KUMAR SHARMA	ECO AND FIN
137	2013B3A7751P	VAIBHAV AGARWAL	APPLICATION OF MARKOV CHAIN STOCHASTIC MODEL ON STOCK MARKET	NVM RAO	ECO AND FIN
138	2013B3A7603P	SURBHI DANG	MERGERS AND ACQUISITIONS	ARUN KUMAR VAISH	ECO AND FIN
139	2013B3A7755P	ADITI	SERVICE QUALITY, VALUE DRIVERS, IDENTIFICATION AND PRIORITISATION IN INDIAN BANKING SECTOR	ARUN KUMAR VAISH	ECO AND FIN
140	2013B3A3530P	JAIN PRACHI	CUSTOMER RELATIONSHIP MANAGEMENT VALUE DRIVERS IDENTIFICATION AND PRIORITIZATION IN INDIAN AIRLINES	ARUN KUMAR VAISH	ECO AND FIN
141	2013B3AB621P	KETUL MATHURIA	FINANCES IN ADVERTISEMENT INDUSTRY	SANGEETA SHARMA	ECO AND FIN
142	2013B3A7543P	AKSHAY R	FRAMEWORK FOR CREATING AND EFFECTIVE LEARNING ENVIRONMENT IN HIGHER EDUCATIONAL INSTITUTES FOR MILLENIAL AND POST-MILLENIAL GENERATION	JAYASHREE MAHESH	ECO AND FIN
143	2013B3A7704P	VAIBHAV SHRIMAL	ASSESSING THE MODERATING EFFECT OF CUSTOMER ENGAGEMENT OF THE RELATIONSHIP OF BRAND IMAGE-CUSTOMER LOYALTY	PRAVEEN GOYAL	ECO AND FIN

S.No.	BITS ID	Name	Topic	Supervisor	Department
144	2013B3A7480P	KUNAL TODI	TO ASSESS AND PRIORITIZE VALUE DRIVERS OF SERVICE QUALITY FOR TELECOM SECTOR	DR JYOTI	ECO AND FIN
145	2013B3A7496P	LOVEPERTEEK SINGH	MODELLING AND SOFTWARE DESIGN TO DYNAMICALLY PREDICT CREDIT WORTHINESS OF BORROWERS	DR ARUN KUMAR VAISH	ECO AND FIN
146	2013B3A7702P	SIMRAN KAUR	SUPPLY CHAIN ANALYTICS	SATYENDRA SHARMA	ECO AND FIN
147	2013B3A1611P	SUMANT S MULKALWAR	GREEN MARKETING: LITERATURE REVIEW	DR ARUN KUMAR	ECO AND FIN
148	2013B3A8365P	TANYA SRIVASTAVA	SUPPLY CHAIN ANALYTICS	SATYENDRA SHARMA	ECO AND FIN
149	2013B3A7608P	NIPUM JAIN	ANALYSIS OF FOOD INFLATION IN INDIA THROUGH MACHINE LEARNING	KRISHNA M	ECO AND FIN
150	2013B3A3435P	KARDIK GUPTA	FACILITY LAYOUT PROBLEM	RAJESH MATAI	ECO AND FIN
151	2013B3A7705P	SHASHWAT RAWAT	SERVICE QUALITY VALUE DRIVERS IDENTIFICATION AND VALIDATION IN INDIAN BANKING SECTOR	DR ARUN KUMAR	ECO AND FIN
152	2013B3A7521P	SHUBHI RASTOGI	IMPACT OF RELIANCE JIO'S ENTRY ON TELECOM INDUSTRY IN INDIA	JYOTI	ECO AND FIN
153	2013B3AB565P	NIKHIL R	EMPIRICAL AND ECONOMIC ANALYSIS OF DATA BREACHES AND INTRUSIONS BY INDUSTRY	RAJENDRA NARAYAN PARAMANIK	ECO AND FIN
154	2014B3TS963P	PARTH DOGRA	SOME ASPECTS OF FINANCIAL INCLUSION IN INDIA	NVM RAO	ECO AND FIN
155	2013B3A7473P	RISHABH JAIN	TRANSFORMING AGRICULTURAL	KRISHNA M	ECO & FIN
156	2013B5A8784P	AARZOO SHARMA	SELF QUENCHING ANF ENERGY TRANSFER	D D PANT	PHYSICS
157	2013B5A2769P	PRADEEP KUMAR	NUCLEAR FUSION AND SOLAR ENERGY	Madhukar Mishra	PHYSICS
158	2014A2TS739P	PAVAN V PILLAI	TRAFFIC DATA ANALYSIS	Amit Goel	CIVIL
159	2014A4TS409P	VARUN TRIPATHI	CONTROL OF WIND TURBINES	SEBASTIAN DICKLER	MECH
160	2017C2TS1208P	SAMUDRALA SANJAY AATREYASA		DR RAJNEESH CHOUISA	HSS
161	2013B3A7789P	ISHAN SHARMA	APPLYING DEEP LEARNING TO PREDICIONS OF STOCK MARKET	RAJAN PANDEY	ECO & FIN
162	2014B5TS711P	PRANAV DIWAKAR	ASPECT OF INTERCHANGABLE SYSTEM	SUJAY ASHOK	PHYSICS
163	2014A2PS490P	ISHA NARSARIA	SELF DESIGNING RENTAL CARS	DR PRASHANTA SAHU	CIVIL
164	2014A8TS324P	KHANDEDIYA CHERAL	TUNNLED IOT PROTOCOL	DR NATALYA ROZHNOVA	EEE

**FDTS
GOA CAMPUS SEM-I 2017-18**

S.No.	BITS ID	Name	Topic	Supervisor	Department
1.	2013B3A7574G	Krutarth Nakade	FDI & ITS Impact on Economic Growth in Emerging countries	Dr. Rajorshi Sen Gupta	Economics
2.	2014A3PS223G	Sonali Vasant Arole	Quantum communication theory	Dr. Radhika Vathsan	EEE
3.	2013B4A8590G	Vichar Shroff	Development of Antonomous Drone for Precision Agriculture	Dr. Gautam Bacher	EEE
4.	2013B1A3900G	Eega Avinash	Software based GNSS Receiver	Nitin Sharma	EEE
5.	2013B2A3864G	Aashray Bhandari	Protocol Development for mobile underwater acouostic sensor network	Sarang C Dhongdi	EEE
6.	2014A1PS826G	Adheep Das	Desing of microfluidic device using 3-D Printer technologies	Dr. Jegatha Nambi Krishnan	Chemical Engineering
7.	2013B5A4840G	Vishal Suriyanarayanan	Emergent phenomenon in elasticity and Gravity	Kinjal Banerjee	Mechanical Engineering
8.	2014A4PS154G	Shubhan Parag Patni	Characterisation and Analysis of soft coating on Hard Material	Dr. G. Karthikeyan	Mechanical Engineering
9.	2013B1A4901G	Eaga Akhil	Investigations of Injection Moulding Process	Dr. Sachin Waigonkar	Mechanical Engineering
10.	2013B4A4644G	Ishan Mishra	Investigating different designs of solar air - Conditioners	Dr. Varinder Singh	Mechanical Engineering
11.	2013A1PS601G	Chayan Anand	To study the electrical properties of Graphene nanocomposite with magnetic Nanoparticles	Dr. N N Ghosh	Chemical Engineering
12.	2013B4A7720G	Sethuratheinam Iyer S	Characterization of Banzhaf Index in Game thory	Dr. J K Shao	Mathematics
13.	2012A7B4065G	Desai Abhishek Deepak	Survey of RSA Cryptosystem	Dr. Prabal Paul	Mathematics
14.	2014B4PS565G	J. Teja Sai Ram	Mathematical modelling of biogeochemical cycles using graph thory	Anasuya Ganguly	Mathematics
15.	2013B5A4285G	Siddharth Paliwal	Study of ds and Ads SPACETIMES	Dr. Kinjal Banerjee	Physics
16.	2014A1PS635G	Vishwa Prakash	Waste Management	Dr. Srikanth Mutnuri	Chemical
17.	2014A7PS096G	Kushagr Arora	Analyzing big scholarly data for deeper insights and predictions	Prof. Santonu Sarkar	CS&IS
18.	2013B3PS502G	Kanumuri Sessa Sushant	Heritage Economics and Tourism	Dr. Debasis Patniak	Economics
19.	2013B3A7439G	K Achyudh Ram	On the Effects of Mentoring on Onboarding Contributors to open source software projects	Dr. Alberto Bacchelli	Economics
20.	2013B1A7656G	Advait	Current AI methodologies in cell Biology and Drug Action	Dr. Ravi Iyengar	Biological sciences & CS&IS
21.	2013B1A4749G	Srijani Biswas	Exploring the immunogenicity to unconventional virus and host peptides during virus infection	Dr. David Tscharke	Biological Sciences
22.	2013B1A1704G	Tanaya Unhale	Anaerobic Digestion of food and pulp mill wastes	Elizabeth A Edwards	Biological Sciences
23.	2013B1A1935G	Vibhav Joshi	Control of Differentiation during inner Ear development	Dr. Rajesh K. Ladher	Biological Sciences

S.No.	BITS ID	Name	Topic	Supervisor	Department
24	2014A8PS855G	Sudhamshu M Hosamane	Building a Prototype of a Versatile multi-3G/4G platform for providing seamless QoS for critical real-time mobile applications	Dr. Malati Hegde	EEE
25	2013B3A3497G	Vikas Mishra	Large Scale Internet Systems: Security and Privacy Issues in Embedded systems, designing an anonymized database analytics system	Prof. Paul Francis	EEE
26	2014A3PS233G	Abhyuday Puri	Objective and Subjective quality assessment of Visual content in Virtual reality	Mr. Rajiv Soundararajan	EEE
27	2014A3PS221G	Devgeet K Patel	Distributed alternating Current (AC) power flow with limited information	Dr. Domenico Lahaye	EEE
28	2013A3B5179G	Vedangi Bhadresh Pathak	Design of high sensitivity, high bandwidth homodyne photo detector	Prof. Michele Heurs	EEE
29	2014A3PS335G	Sanjeev Sripadraj Murthy	Multi-processor emulation platform on FPGA	Prof. Dr. Akash Kumar	EEE
30	2014A3PS167G	Aman Gadia	N-Tuple Pattern Recognition	Robert M Haralick	EEE
31	2013B5A3466G	Shahnawaz Ahmed	A Python framework for the dynamics of open quantum systems	Prof. Franco Nori	Physics,
32	2014A8PS164G	Sankar Manoj	Predictive Pre-scheduling on heterogenous high performance computing dusters	Sudarshan Shinde	EEE
33	2014A3PS218G	Ajai V George	Development of a High performance cluster for accelerating neural networks based applications	Sudarshan Shinde	EEE
34	2014A3PS334G	Parva Patel	Autonomous Navigation of Snake Robots	Dr. Howie Choset	EEE
35	2014A3PS333G	Kartik Aggarwal	Securing Embedded systems against information leakage	Sudipta Chattopadhyay	EEE
36	2014A3PS197G	Dhananjai Sharma	Development of underwater Network Protocols	Dr. Mandar Chitre	EEE
37	2013B5A3726G	Shivangi Kamat	Detector design and Instrumentation	Dr. Satyanarayana Bheesette	EEE
38	2013A3B2186G	Dishant Banwari	Nanocellulose based sensors for application in water purificaion	Dr. Suresh Valiyavettill	EEE
39	2014A3PS215G	Veena Vijai	Discriminative features of Speech and their Applications	Dr. A.G. Ramakrishnan	EEE
40	2014A3PS170G	Advait Koparkar	Multi-model gesture analysis for speech Analysis	Dr. Prasanta Ghosh	EEE
41	2013B1A8905G	Arunav Konwar	Computer Vision	Prof. C.V. Jawahar	EEE
42	2013A3A7198G	Edwin Mascarenhas	C-Based Synthesis model for the RISC-V	Prof. Olivier Sentieys	EEE
43	2014A3PS759G	Chirag Dinesh Ranawat	Design and implementation of High speed/Low power Discrete Fourier Transform Processor with Advanced Algorithms	Dr. Yusuf Leblebici	EEE
44	2014A4PS346G	Aman Dalal	Product Design	Pravinsinh Solanki	Mechanical Engineering
45	2014A4PS286G	Ameya Mangesh Deshpande	Development of Advanced light alloys/ composites	Dr. Manoj Gupta	Mechanical Engineering
46	2013B2A4882G	Sumit Arya	Study of steam turbines blade design for various rating utility thermal sets	Sunil Kumar Garg	Mechanical Engineering
47	2013B4A4652G	Harsh Malaiya	Supply chain management of perishable items	Dr. Sunil Agarwal	Mechanical Engineering

48	2014A4PS125G	Sooraj S Kamath	CFD analysis of airflow in a cabin	Dr. K. S. Ravi Chandran	Mechanical Engineering
49	2014A4PS296G	Shreyas Rajesh	computational fluid dynamics of embryonic /fetal cardiac flows	Dr. Yap choon Hwai	Mechanical Engineering
50	2013A4B5280G	Aabir Abubaker Kar	Applications of fluid models to social dynamics	Dr. Yaneer Baryam	Mechanical Engineering
51	2014A4PS086G	Varun Uday Nayak	Aerial Manipulation Design and Control	Kostas Alexis	Mechanical Engineering
52	2014A4PS344G	Sharath Patlolla	Advanced Motion tracking for powered robotics Leg control	Dr. Tommaso Lenzi	Mechanical Engineering
53	2011B5A4362G	Mohit Uddhav Patil	Cortical bone thickness assessment using multi frequency quantitative acoustics	Prof. Dr. William R. Taylor	Mechanical Engineering
54	2012B1A4655G	Aditya Shirodkar	Design for a standard set of wind turbines to optimize energy consumption in urban settings exhausted by CFD simultaneous at preexisting various effect passing between buildings and elsewhere	J. Bastin, ADT, WRA	Mechanical Engineering
55	2013B5A4913G	Simanta Lahkar	Mechanical characteristics of two dimensional heterstructures	Yinfeng Li	Mechanical Engineering
56	2013B5A4559G	Kshitij Mathur	Supply chain Analytics	Dr. Hamendra D Dangi	Mechanical Engineering
57	2013B3A4498G	Sharvari Kshirsagar	Index for Financial Inclusion	Dr. G Ramesh	Mechanical Engineering
58	2013B4A7541G	Ramchandran Muthukumar	Efficient Algorithms for Large Scale Optimization	Madeleine Udell	Mathematics
59	2014A7PS124G	Somya Shubhangi	System verification using formal methods	Madhavan Mukund	CS&IS
60	2014A7PS081G	Amit Kiran Rege	Formal Verificaiton	Madhavan Mukund	CS&IS
61	2013B5A7589G	Sanjana Sekhar	Study fo High Bosen at LHC and development of relevant trigger algorithms for CMS experiment at LHC	Kajari Mazumdar	Physics
62	2013B1A7792G	Ananya Kshatrapati Shivaditya	Development of Machine Learning Components to optimize device/process performance	Dr. Rofl Stangl	CS&IS
63	2014A7PS022G	Dhruv Mahajan	Map Building on Drones for Autonomous Indoor Navigation	Prof. Chiranjib Bhattacharyya	CS&IS
64	2013B4A7776G	Aparajita Haldar	Energy efficient machine learning on DFES	Prof. Georgi Gaydadjiev	CS&IS
65	2014A7PS014G	Rohan Goel	A Visual Platform for helping epidemiologists	Prof Pascal Poncelet	CS&IS
66	2013B5A7665G	Shobhik Bhadraray	Natural Language Processing and Data Mining	Lu Wei	CS&IS
67	2013B5A7112G	George Joseph	A Vision -Based shared world map for Multi- robot interaction	Dr. David S Touretzky	CS&IS
68	2014A7PS126G	Rhett Noah D'Souza	Machine learning and neural Networks in human connectome Analysis	Fang-Cheng (Frank) Yeh	CS&IS
69	2013B2A8877G	Samyak Dhole	Synthesis of 2-D Perovskites and Optoelectronic applications	Shaibal K Sarkar	CS&IS
70	2013B1A1907G	Srinath Ramkumar	Mechanisms in Cardiac Valve Regeneration	Prof. Didier Stainier, Ph.D	Chemical Engineering
71	2014A1PS545G	Siddharth Kumar	Drug Delivery	Ali Khademhosseini	Chemical Engineering
72	2014A1PS834G	Shivendu Shivam	Coalbed Methane	Sanjay Singh	Chemical Engineering

S.No.	BITS ID	Name	Topic	Supervisor	Department
73	2014A1PS654G	Sarvajot Singh	Synthetic Polymer Belt and Process of Manufacturing	Sanjeev Kumar Singh	Chemical Engineering
74	2014A1PS626G	Mrunal A Nasery	Multiphase flows in micro channels and porous media	Dr. S. Pushpavanam	Chemical Engineering
75	2012B1A1621G	Narayan Bhutada	Coolant, Oil Level & Quality control	Dr. Vishwas Puttige	Chemical Engineering
76	2014A1PS252G	Velidanda Srinivasa Tanmay	Hydrodynamic stability of flow past deformable solid surfaces	Dr. V. Shankar	Chemical Engineering
77	2014A1PS582G	Shimona Narang	Multiphase flows in microchannels	Dr. S. Pushpavanam	Chemical Engineering
78	2014A1PS816G	Igin Benny Ignatius	Solutal Marangoni condensation for microgravity applications	Dr. S. Pushpavanam	Chemical Engineering
79	2014A1PS504G	Shambhu A	Computational neuroscience	Dr. S. Pushpavanam	Chemical Engineering
80	2013B2A1689G	Tulasi Ravindran	Membrane Separations (with a focus on water treatment and reuse)	Jeffrey McCutcheon	Chemical Engineering
81	2013B4A7829G	Varad Deshpande	The Study of the code Based Cryptosystems	M Sumanth Datt	Mathematics
82	2013B5A3432G	Amal Vighnesh I	Study on Quantum Computation and information	Dr. Anil Shaji	Physics
83	2013B5A4563G	Shardool Kulkarni	Numerical Simulation of Nozzle flows	Prof. B. Puranik	Physics
84	2013B5A7658G	Tanuja Sawant	Conception, Implementation and evaluation of novel interaction techniques for improving user interaction in a virtual/augmented reality environment	Eric Lecolinet	Physics
85	2013B5A4472G	Akhil John	A bilateral master slave system for physical interaction	Prof. Gerhard Neumann	Physics
86	2013B5A3470G	Sangeeth S Varma	Transport in Quantum hall systems	Dr. Madhu Thalakulam	Physics
87	2013B5A4604G	Kapil Sawant	Design of an Exploration robot for minimally invasive archaeology	Jean -Baptiste Mouret	Physics
88	2014B5TS904G	Manas Jha	Studies of carbon capture, utilization technologies for power station and use of nano technology for efficiency development	Dr. M. Malik	Physics
89	2013B4A8662G	Mridul Seth	Random walks on Generalised Networks	Renaud Lambiotte	Mathematics
90	2014A3PS205G	Tushar Kusnur	Navigation in underwater robotics using sonar and cameras, depending on water turbidity	Prof. Michael Kaess	EEE

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S.No	BITS ID	Name	Topic	Supervisor	Department
1	2013B4A7669H	Chavi Gupta	Automation of remote sensors scheduling for satellites	Prof. D K Satpathi/ Dr. Aruna Malapati	Mathematics
2	2013B4A7733H	Suraj A	Application of augmented and virtual reality in gait analysis	Prof. D K Satpathi/Prof. Tathagata Ray	Mathematics
3	2013B4A7847H	Sriharshitha Velivelli	Named entity recognition	Prof. D K Satpathi/Prof. N L Bhanu Murthy	Mathematics
4	2014A2TS569H	R Mukesh	Experimental investigations on aging of bituminous concrete	Prof. Vinayaka Ram/Prof. Sridhar Raju	Civil Engineering

S.No	BITS ID	Name	Topic	Supervisor	Department
5	2014A2TS627H	C Leela Sushitha	Evaluation of rutting performance of RAP added bituminous surface layer	Prof. Sridhar Raju	Civil Engineering
6	2014A2TS562H	Anurag Anand	Utilization of 50-100% reclaimed asphalt pavement (RAP) in dense bituminous macadam layer	Prof. Sridhar Raju	Civil Engineering
7	2013B2A2594H	Shreyans R Surana	Life cycle assessment and life cycle cost assessment of structures and pavements	Mr. Kalyana Rama J S/Prof. Sridhar Raju	Civil Engineering
8	2014A2TS584H	Shashank Gupta	Ground improvement by alkali activated binder treated jute geotextile	Dr. Anasua Guha Ray/Dr. Arkamitrakar	Civil Engineering
9	2014A2TS563H	Swaraj Patil	Determination of suitable mixing procedure for partial replacement of Portland cement concrete with alkali activated binder concrete	Dr. Arkamitrakar	Civil Engineering
10	2014A2TS583H	Rohan Sirupa	Fluid-structure interaction of floating objects using finite elements	Dr. Chandu Parimi	Civil Engineering
11	2014A2TS574H	Rishabh Agarwal	Development of K-means clustering ANN model for water quality	Prof. A. Jagdeesh Anmala	Civil Engineering
12	2014A2TS557H	Harsh Mundra	Evaluation of the behavior of concrete with alkali-activated binders to aggressive chemical environments	Dr. Arkamitrakar	Civil Engineering
13	2014A2TS580H	Vikram Reddys	Optimal operation of multi reservoir system in lower Krishna basin	Prof. K Srinivasa Raju	Civil Engineering
14	2014A2TS587H	Dhruvik Vadadoriya	Evaluating the fracture properties of concrete and its size effect related issues using modified damage plasticity model	Mr. Kalyana Rama J S	Civil Engineering
15	2014A2TS567H	Praneeth Penuganti	Optimization of water distribution networks using cuckoo search and water cycle algorithm	Prof. A Vasani	Civil Engineering
16	2013B3A7657H	Bhavya Mishra	Nutritional Inequality in India	Dr. Rishi Kumar	Economics
17	2013A4B3322H	Meghana Yerabati	Herding behavior institutional investors in the Indian day-trading market	Prof. Padmanabhan Balasubramanian/Prof. Vijaya Bhaskar Marisetty	Economics
18	2014A1TS529H	Vaidhiswaran Ramesh	Study of emerging spatial and signaling behavior upon moving from single cells to population	Dr. Krishnan/Dr. Vikranth Kumar Surasani	Chemical Engineering
19	2014A1TS623H	Shivani Lodha	Study of PP- based composites	Dr. Purnima	Chemical Engineering
20	2013B2AB363H	Gokul T Anandan	Vibrational dynamics of photo induced charge transfer in P3HT:PC BM blends	Dr. Jyotishman Das Gupta/Prof. Manab Chakravarty	Chemistry
21	2013B2A7865H	Krunal K Patel	Computational study of some important van der waals heterojunctions	Prof. Sumithra K	Chemistry
22	2013B2A4858H	Ranganathan Pooja	Synthesis and characterization of nano particles for nano fluid applications	Dr. Ramakrishna Ganesan/Dr. N Jalaiah	Chemistry
23	2014A7TS157H	Jaisurya Nanduri	Named entity recognition in telugu using content based semantic vectors	Dr. Aruna Malapati	Computer Science and Information system

S.No	BITS ID	Name	Topic	Supervisor	Department
24	2013B1A7909H	Burra Prakruthi	Methods for the analysis of large-scale metabolic networks	Dr. Areejit Samal/Prof. Tathagata Ray	Computer Science and Information system
25	2013B4A7423H	Jinu M Sunil	Logistic regression for software defect prediction	Prof. N L Bhanu Murthy	Computer Science and Information system
26	2013A7TS083H	V.N. Sri Harshitha Vutukuru	Measuring instructional methodologies in engineering classrooms	Prof. Tathagata Ray/Dr. Aruna Malapati	Computer Science and Information system
27	2013A7TS243H	Phalguna Bandi	Video analysis	Prof. Anand Narasimha Murthy	Computer Science and Information system
28	2013B1A3783H	Abhisek.P	ECG signal generation using analog circuit design	Prof. Prabhakar Rao	EEE
29	2013B5AA567H	Rahul Srinivasan	Gravitational waves and black hole modelling	Prof. Ashtekar/Dr. S K Chatterjee	EEE
30	2014A3TS348H	Srinivasan Rajagopalan	Optimal location of inter-line power flow controller	Dr. Alivelu Manga Parimi	EEE
31	2014A3TS352H	Rushabh Gandhi	Deep learning for speech animation in mixed reality	Dr. Mithun Das Gupta/Dr. S K Chatterjee and Prof. Anand Narasimhamurthy	EEE
32	2014A3TS825H	Ansh Rupani	Physical synthesis and design for reconfigurable transistors	Prof. Akash Kumar/Mr. Chetan Kumar	EEE
33	2014AATS217H	Divya Jain	Emulation platform for wildly heterogeneous chips	Prof. Akash Kumar/Prof. S K Sahoo	EEE
34	2014AATS238H	Pranav Kulkarni	Fault-tolerant network-on-chip	Dr. Soumya J	EEE
35	2014AATS322H	Harshit Soni	Application of Fibre optics in cancer detection	Prof. Yogeeswari/Prof. Prabhakar Rao	EEE
36	2014AATS493H	Ksitij Shrivastava	Built- In- Self- Test for FPGA design	Prof. Akash Kumar/Mr. Chetan Kumar	EEE
37	2014AATS339H	Shaik Wasef	Resistance curves of configurational anisotropy based nano magnets using spin orbit torque current switching	Dr. Hossein Fariborzi/Dr. Surya Shankar Dan	EEE
38	2014A3TS827H	Richa Choudhary	Philosophy of electronics	Prof. Sanket Goel	EEE
39	2013B5A1727H	Vignesh Sitaraman	Digital signal processing for the charged particle array at INGA	Dr. Rudrajyoti Palit/Dr. Sarmistha Banik	Physics
40	2013B5A4842H	Vaibhav Jain	Core estimation of the lower energy cosmic ray showers	Prof. Sunil K Gupta/Dr. Rahul Nigam	Physics
41	2013B5A8536H	T Madhav Narayan Bhat	Micro magnetic simulations & experimental investigations in rare earth transition metal thin films	Dr. J AroutChalvane/Dr. Satyanarayan Murthy	Physics
42	2013B5AA869H	Rohan Banerjee	Accelerator for molecular dynamics	Prof. S K Nandy/Prof. Thiruvikraman	Physics
43	2013B5AA559H	Akshaya Agarwal	Development of imaging system for hand and foot photography	Dr. Chien Chun Lu/Prof. Kannanramaswamy	Physics
44	2013B5A7841H	Ridam Jain	GPU based meshfree parallel solver for 2D euler equations	Dr. N Anil/Prof. Thiruvikraman	Physics
45	2012B1A2745H	Aviral Singhal	Medicinal use of saponin extract	Prof. Kumar Pranav Narayan	Biological Sciences
46	2013B1A8839H	Vikram Venkatesh	Cloning and expression of N-terminal domain of plasmodium sera gene	Prof. Vidya Rajesh	Biological Sciences

S.No	BITS ID	Name	Topic	Supervisor	Department
47	2013B1A2641H	Vedantham Kiranmayi	Increase of carbon fixation by enzyme Rubis Co: a study to monitor the protein microenvironment changes in RubisCo	Dr. Debashree Bhandopadhyay	Biological Sciences
48	2013B1A3476H	Karthik Rattan	Electromechanical characterization of red blood cells in diabetics	Dr. Prosenjit Sen/Prof. Suman Kapur	Biological Sciences
49	2013B1A4691H	Lakshay Sethi	Modeling the flow of nanoparticles/drugs from a network of irregular blood vessel network to the nearby tissue and compare it with the existing Krogh Cylinder Model	Prof. Fan Yuan/Prof. Y V D Rao	Mechanical Engineering
50	2013B3A4619H	M. Dheeraj Varma	Dynamics analysis of wind turbine gear box	Dr. Sabareesh G R	Mechanical Engineering
51	2013B5A4479H	A Sai Kiran Reddy	Investigating the accuracy of the vertical wall formation using multi-storage single point incremental forming	Dr. Kurra Suresh	Mechanical Engineering
52	2014ABTS558H	C V Kameshwar Sarma	Material characterization of (Si-Ti)N coated tools	Prof. N S K Reddy	Mechanical Engineering
53	2014A4TS035H	G Pritheesh	Development of 3D navier stokes solver using 6 th order compact scheme	Dr. Supradeepan K	Mechanical Engineering
54	2014A4TS183H	Sridhar R	Characteristics and analysis of 3-dimensional flow past square cylinders in side-by-side arrangement	Dr. Supradeepan K	Mechanical Engineering
55	2014A4TS207H	Ashwin Vadlamannati	Role of flow turbulence on life science organisms	Dr. N. Jalaiah/Dr. Parameshwaran	Mechanical Engineering
56	2014A4TS260H	Karnati Venkata Kartheek	Implementation of the modified KFVS(m-KFVS) method in to the Stanford University unstructured(SU2) CFD code	Dr. K Ram Chandra Murthy/Dr. N. Anil	Mechanical Engineering
57	2014A4TS317H	V Bairav Sabarish	Characteristics and analysis of 3-D past square cylinders in tandem arrangement	Dr. Supradeepan K	Mechanical Engineering
58	2014A4TS452H	G Arvind	Heat transfer in Magneto hydrodynamics of core	Dr. Binod Sreenivasan/Prof. Jeevan Jaidi	Mechanical Engineering
59	2014A4TS833H	Sai Ranjeet Narayan	Characteristic and analysis of 3-D flow past staggered square cylinders	Dr. Supradeepan K	Mechanical Engineering
60	2013B5A2671H	Ajinkya Naringe	Numerical study of fluid structure interaction	Dr. Chandu Parimi/Prof. Thiruvikraman	Civil Engineering
61	2013B1A2880H	Tummala Mithilesh	Prediction of fecal coliform using feedback nueral networks	Prof. A. Jagdeesh Anmala	Civil Engineering
62	2013B3A7487H	Karthik Menon	Predicting price movement of crypto currency based on twitter sentiment analysis	Prof. Vijaya Bhaskar Marisetty/ Dr. Aruna Malapati	Economics
63	2013B3A7601H	Prashanth Kumar lalwani	Predicting the stock movement based on various microeconomic and macroeconomic factor	Dr. Thota Nagaraju/Dr. Aruna Malapati	Economics
64	2013B3A7660H	Sai Ram Anoop Chandu	Predicting post earnings stock price movement	Prof. Vijaya Bhaskar Marisetty	Economics

S.No	BITS ID	Name	Topic	Supervisor	Department
65	2013B4A1492H	Barkha Mahendra Kumar Taori	CFD-DEM coupled simulations for jet mill & cyclone separator	Dr. Vikranth Kumar Surasani	Chemical Engineering
66	2013B2A4901H	Ruth Selena	Effect of nanoparticle additives in diesel on the performance and exhaust emissions of engine	Dr. Sounak Roy/Prof. Sandip Deshmukh	Chemistry
67	2013B3A7393H	Bhat Akshay Subhash	Profile guided technologies for security hotspot identification	Prof. C Hota	Computer Science Information System
68	2013B3A7675H	Mohit Jain	Formulation & implementation of a robust proactive model for complex event processing engine in IOT frame work	Prof. C Hota	Computer Science Information System
69	2013B3A7612H	Akash Singh	Sentiment analysis to predict price movement of crypto currencies	Dr. Aruna Malapati/Prof. Vijaya Bhaskar Marisetty	Computer Science Information System
70	2014A8TS471H	Aditya Vijay Bhandare	Power-efficient sum of absolute difference hardware architecture using adder compressors for integer motion estimation design	Dr. S. K Chatterjee	EEE
71	2013B5A7064H	V.Vasudha	Exploring FDTD based methods to understand control of light in Nano plasmonic structures	Prof. Kannanramaswamy	Physics
72	2013B5A7653H	Anuroop Gireesan	Effects of disorders on 3D ISING model	Prof. Thiruvikraman	Physics
73	2013B5A7655H	Hariram S	Classification of satellite images based on land use	Prof. Thiruvikraman	Physics
74	2013B5A7748H	Juhi Garg	Creating a diversified portfolio aided by stock market prediction using machine learning techniques	Dr. Aruna Malapati/Dr. K V S Shiv Chaitanya	Physics
75	2013B1A1756H	Sushanto Mukherjee	Developing pricing model for right biotic and valuation of the same	Prof. Suman Kapur/Prof. Niranjana Swain	Biological Sciences
76	2013B1A1482H	Anshul Mishra	Biofuel from lignocellulosic agro residues	Dr. Jayati Ray Dutta	Biological Sciences
77	2013B1A1821H	Sai Sumanth Reddy	Study of protein microenvironment in S-Glutathionylation	Dr. Debashree Bhandopadhyay	Biological Sciences
78	2013B1A1662H	Swagath Kumar Reddy	Study of microenvironment of selenylated cysteine for various biochemical process	Dr. Debashree Bhandopadhyay	Biological Sciences
79	2013B1AB844H	Abhishek Dave	Prediction of composite material properties using wavelet neural networks	Dr. Phaneendra Kiran/Prof. K S Raju	Mechanical Engineering
80	2013B5A4832H	B. Bharath Kumar	Development at Novel AMC alloy	Prof. N S K Reddy	Mechanical Engineering
81	2014A4TS456H	Dvivedi Rohan Vipul Kumar	Flexible architecture process design	Prof. Jeevan Jaidi/Dr. Soumay J	Mechanical Engineering
82	2014A4TS842H	Siddharth Chaturvedi	Implementation of learn from demonstration on a tale robot	Dr. Arshad Javed	Mechanical Engineering
83	2013B5AB752H	Praneeth Bheema	Investigation on surface integrity novel alloy (AMC)	Prof. N. Suresh Kumar Reddy	Mechanical Engineering

FDTS

DUBAI CAMPUS SEM-I 2017-18

S.No.	BITS ID	Name	Topic	Supervisor	Department
1.	2014A9TS0015U	A Karthik Vasudev	Understanding Transcriptional Regulation of Disease Response (DR) Genes In Rice	Dr. TruptiswarupGhokle	BIOT
2.	2014A7TS0084U	Gowtham S	An IoT Solution to the Problem Of Parking	Dr. PritiBajpai	CS
3.	2014A9TS0006U	Harini M	Synthesis of Copper, Lead, Aluminium And Nickel Nanoparticles And Studying Their Effect of Nanoparticles on Plants	Dr. NeeruSood	BIOT
4.	2013A7TS0292U	Harsh Hirani	Designing And Implementing A Software Robotic Framework for Risk Control And Probabilistic Outcome Enhancement On Heterogeneous Financial Market Instruments	Mr. Nandkumar	CS
5.	2014A4TS0246U	Kartik Krishna	Reduce Order Moduling And Active Control Of Unsteady Fluid Flows	Dr. Shashank Khurana	MECH
6.	2014A9TS0229U	Madhav Mukul Kothari	To find and study the hydrogen production pathway in Enterobacter Cloacae IIT-BT 08 using computational Biology	Dr. Ramchanderan	BIOT
7.	2014A7TS0265U	Naman Kamra	Design and Implementation of Text Summarization Service Using Natural Language Techniques	Dr. Santhosh Kumar	CS
8.	2014A7TS0308U	Nishank Singhal	Automated Judgement of Video Interview Based On Facial Gestures, Eye Contact And Hand Gestures Using CNN-RNN	Dr. JagadishNayak	CS
9.	2014A7TS0332U	Phadke Gautam Sanjay	Feature Classification in Satellite Imagery Using Deep Learning	Dr. S. Vadivel	CS
10.	2014A7TS0102U	Piyush Ajay Batra	Machine Learning on Big Data (Predicting Box-Office Revenue of Bollywood Movies using Machine Learning)	Dr. SiddhalingUrologin	CS
11.	2014A7TS0349U	Sangani Varun Jayesh	Virtual Reality Suit : Tour of University	Dr. Sujala D. Shetty	CS
12.	2014A3TS0017U	Saraiya Aaditya Asit	Intelligent Interface For Navigation And Robotic Manipulation of A Mobile Robot	Dr. V. Kalaihelvi	EEE
13.	2014A7TS0041U	Shaurya Sood	Design of A Machine Learning Based Framework For Storage and Retrieval Of Distributed Audio Data	Dr. B. Vijayakaumer	CS
14.	2014AATS032U	ShirsatAyush Ashish	Simulation of An Autonomous Pay & Park Car Parking System	Dr. Mary Lourde R	ECE
15.	2014A4TS0295U	Siddhant Farwaha	Fabrication and Characterization of Direct Liquid Fuel Cell	Dr. PriyankUpadhyaya	MECH
16.	2014A4TS0134U	Tummala Vudaya Sankar	Corrosion Resistance Analysis of 316L Stainless Steel/Monel 400 Alloy Dissimilar Metal Joints	Dr. R. Karthikeyan	MECH
17.	2014A1TS0133U	Prabaharan Rubeena Crystal	Screening of Opiate Class Of Drugs In Equine Urine and Plasma –A Comparative Study On Extraction Methods And Instrumental Analysis	Dr. Rajib Ghosh	CHEM
18.	2014A7TS0034U	Aishwarya Singh	Predicting The Complexity Of Cellular Automata	Mr. Gaurav Saxena	CS

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PILANI SEM-II 2016-17

S.No.	BITS ID	NAME	TOPIC	SUPERVISOR	DEPARTMENT
1	2011HS06237P	TELANG SUJEET AJAY	HAND GESTURE CONTROL	DR B K ROUT	MECHANICAL
2	2011HS12191P	CHIRAG CHHABLANI	SYNTHESIS OF CLONE DETECTION AND CLUSTERING TECHNIQUES	KULDEEP KUMAR	CSIS
3	2011HS23162P	PRIYESH SHUKLA	Capacitive interface for MEMS Sensors	DR ANU GUPTA	EEE
4	2011HS40274P	RAUNAK MANEKAR	Design and implementation of Convolutional and Deep Neural Networks	DR CHANDRA SHEKHAR	EEE
5	2015H101016P	DHIVYA P	DEVELOPMENT OF SOFT SENSOR FOR METHYL ACETATE REACTIVE DISTILLATION SYSTEM	Prof. Hare Krishna Mohanta	CHEMICAL
6	2015H101017P	POORNIMA K	Targeted Oral Drug Delivery of Nano particles for Colon Cancer	Prof. Suresh Gupta	CHEMICAL
7	2015H101018P	PADARTHI KRISHNA YASHWANTH	Rietveld Analysis of BIMEVOX catalysts used for hydrogen production	Dr. Banasri Roy	CHEMICAL
8	2015H101019P	YUKTI	Design and Development of compact & economically viable metallic nano-particles fixed-bed for the treatment of Industrial Wastewater	Prof. Suresh Gupta	CHEMICAL
9	2015H101020P	PRATISHTHA RATHORE	Experimental and theoretical study on production of hydrogen rich gas from biomass	Dr. Pratik N Sheth	CHEMICAL
10	2015H101021P	LATA JOSHI	Flow Pattern in Loop Reactors	Prof. Arvind Kr. Sharma	CHEMICAL
11	2015H101025P	VIKASH KUMAR	Design and development of novel biomass cookstove	Dr. Pratik N Sheth	CHEMICAL
12	2015H101026P	CHAVA RAMA KRISHNA	LCA Biodiesel Production from microalgae using wastewater	Dr. Smita Raghuvanshi	CHEMICAL
13	2015H101027P	PATIL BHAGYESHA SUNIL	Metal based Nanocatalysts for Hydrogen Production by Low Temperature Steam Reforming of Ethanol	Dr. Banasri Roy	CHEMICAL
14	2015H101028P	DHAGE SUMIT BANSILAL	Bioremediation of soil contaminated with waste engine oil	Dr. Amit Jain	CHEMICAL
15	2015H101029P	ABHISHEK MISHRA	COLD MODEL STUDY OF RECIRCULATING FLUIDIZED BED FOR CHEMICAL LOOPING COMBUSTION	Dr. ARVIND Sharma	CHEMICAL
16	2015H101030P	SHRUTI GUPTA	Syngas Production by reforming of Biogas by using Ni-based Monolithic Catalysts	Dr. Srinivas Appari	CHEMICAL
17	2015H101032P	PRIYA	DKM of poisoning and regeneration of Ni catalyst during biogas steam reforming	Dr. Srinivas Appari	CHEMICAL
18	2015H101033P	DEEPIKA SHANMUKHA HEGDE	CFD Simulation and process refinement of fluid catalytic cracking	Dr. Priya C Sande	CHEMICAL
19	2015H103078P	VIVEK PANDYA	To implement the LLVM backend for Xilinx's MicroBlaze softprocessor	Vidhumouti Hunsigida	CSIS

S.No.	BITS ID	NAME	TOPIC	SUPERVISOR	DEPARTMENT
20	2015H106137P	Johan Paul	Non-linear Vibration in Rotordynamics	Dr. Murali Palla	MECHANICAL
21	2015H106148P	Behara Santosh Sagar	STUDY AND ANALYSIS OF LOOSENE OF THE ROTO SHAFT	Dr. A.K.Jalan	MECHANICAL
22	2015H106149P	KRATI	Nano-Robotics	DR J S RATHORE	MECHANICAL
23	2015H106151P	Karan Ghule	CFD analysis of boiling	Dr. Shyam Sunder	MECHANICAL
24	2015H108191P	Saswata Banerjee	Development of novel lipid based nanocarrier systems	Dr.Gautam Singhvi	PHARMACY
25	2015H129001P	Kumar Udit kumar	#N/A	Dr.Rajdeep choudhury	BIOLOGY
26	2015H129003P	Poorvi Raghavndra	IMMUNE SYSTEM DYNAMICS DURING SALMONELLA INFECTION	Prof.Dipshika chakravotty	BIOLOGY
27	2015H129004P	Surabhya Balasubramanian	Study of Potential ANTA RNA transcription in Mycobacteria. (Temporary Title)	Dr.Arati Ramesh	BIOLOGY
28	2015H129008P	R. Sukanya	IL-27-ROLE IN TUBERCULOSIS IMMUNITY	Dr. Vani janakiraman	BIOLOGY
29	2015H129011P	K.Lohitesh	TO STUDY EPIGENETIC REGULATION IN GLIBLASTOM CELL ILNE	Dr. Rajdeep Choudhury	BIOLOGY
30	2015H129012P	Ramya R	ROLE OF SIRTUINS IN AUTOPHAGY	Prof.Dipshika Chakravorty	BIOLOGY
31	2015H129013P	Diksha Agnihotri	BIOLOGY AND IMPLICATION FOR HUMAN DESESES	Dr. Shantanu sengupta	BIOLOGY
32	2015H130054P	RISHBH BAJPAI	ANALYSIS OF NATURALITIC DRIVING DATA TO DESIGN THE ROADWAY ELEMENT	DR PRASANTA KUMAR SAHU	CIVIL
33	2015H130055P	RITVIK D CHAUHAN	Effect of Side Friction on Urban Road Capacity	DR PRASANTA KUMAR SAHU	CIVIL
34	2015H130056P	ABHINAV YADAV	DETERMINING CAPICITY AND LEVEL OF SERVICE OF MULTILANE INTERURBAN HIGHWAY	DR DURGESH VIKARAM	CIVIL
35	2015H130057P	PATEL JAY A	Developing a capacity model for roundabout in heterogeneous traffic condition	DR DURGESH VIKARAM	CIVIL
36	2015H130058P	ABDUL MOIN GHANI	Strength evaluation of asphalt mix containing copper tailing	DR NIKHIL SABOO	CIVIL
37	2015H130060P	SHARMA GAJANAND SANTOSHKUMAR	Evaluation of crowding effect on Mumbai Suburban Rail system	DR PRASANTA KUMAR SAHU	CIVIL
38	2015H130062P	AJINKYA ASHOK INGALE	Investigating Indian Driver Decision Making Behavior at Intersections using questionnaire survey	DR PRASANTA KUMAR SAHU	CIVIL
39	2015H130063P	ANUJ BHAGWAN	EFFECT OF MARSHALL BLOWS ON THE PERFORMANCE OF BITUMEN	DR NIKHIL SABOO	CIVIL
40	2015H141103P	G.Vijayanand	Simulation of crack using Bourdin's model	Dr. Murali Palla	MECHANICAL
41	2015H141104P	Zanje Sumit Rajendra	NUMERICAL & COMPUTATIONAL ANALYSIS OF FLOW PAST CYLINDER	Dr. Amol Marathe	MECHANICAL
42	2015H141107P	Devanshu Rana	FAULT DIAGNOSIS OF ROTOR MIALIGNMENT	Dr. Arun Kumar Jalan	MECHANICAL
43	2015H141108P	Basuraj Shyam	Reduced order modelling of vortex shedding of oscillatory bluff body	Dr. Amol Marathe	MECHANICAL

S.No.	BITS ID	NAME	TOPIC	SUPERVISOR	DEPARTMENT
44	2015H141111P	Aseem Shrivastava	STRESS AND DEFORMATION ANALYSIS ON CIRCULAR RINGS UNDER THERMAL BONDING	Dr. Prateek Kala	MECHANICAL
45	2015H141112P	Medida Sarath Chandra	Finite Element and Reduced order modelling of gear pair	Dr. Shyam Sunder	MECHANICAL
46	2015H141113P	Sunit Dewan	Thermal Management of Klystron	Prof. P.Srinivasan	MECHANICAL
47	2015H142130P	Aayush Bhardwaj	Evaluation and enhancement of agility index in a manufacturing supply chain	Dr. Srikanta Routroy	MECHANICAL
48	2015H142133P	Mohit Agrawal	Application of MCDM techniques in Supply Chain Management : A Review	Prof. A.K.Digalwal	MECHANICAL
49	2015H143047P	ANIRUDDHA TANGIRALA	Use of artificial intelligence in concrete mix design	DR. DIPENDU BHUNIA	CIVIL
50	2015H143048P	SANKET RAWAT	OPTIMIZATION OF ECCENTRICALLY LOADED PAD FOOTING	DR. RAVIKANT MITTAL	CIVIL
51	2015H143049P	SPANDAN BERA	SEISMIC ANALYSIS OF LATERALLY LOADED PILES	DR. RAVIKANT MITTAL	CIVIL
52	2015H143050P	ASHFAQ ANSHAD	Analysis of Functionally Graded Concrete Beams	DR S.B. SINGH	CIVIL
53	2015H143052P	AKSHAY D MALLAN	Effect of Openings on Static response of Core wall structures	DR . MANOJ KUMAR	CIVIL
54	2015H144040P	SOMYA AGARWAL	Soil Resistivity	DR. SHIBANI K JHA	CIVIL
55	2015H146206P	Hinge Nikita Subhash	Erythrocyte loaded chloroquine for malaria treatment	Dr.Aniruddha Roy	PHARMACY
56	2015H146211P	Tejas Girish Agnihotri	DEVELOPMENT OF PK-PD MODELS FOR CNS DISORDERS THROUGH NOVEL DRUG DELIVERY SYSTEM	Dr. Sunil K Dubey	PHARMACY
57	2015H147199P	Shashwat	Inhibition of melanization as a method for Vector control	Dr. Atish T Paul	PHARMACY
58	2015H106145P	KUSHAGRA DWIVEDI .	Design of Micro-Channel Heat Exchangers for CO2 refrigeration system	DR P SHRINIVASAN	MECHANICAL

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GOA SEM-II 2016-17

S.No	ID No	Name	Title	Supervisor	Department
1.	2015H101010G	Rushabh Ketan Mevawaka	Microwave Assisted beneficiation of Iron-ore	Prof. S.S. Baral	Chemical Engineering
2.	2015H101011G	Shaifali Tyagi	Rheological dynamics exhibited by bioglass	Dr. Asima Shaukat	Chemical
3.	2015H101006G	Krupa Balakrishnan	Graphene Composite Coatings for Anti- Corrosion Behaviour	Prof. Sutappa Roy ramanan	Chemical Engineering
4	2015H101008G	Shubhangi Singh	Hybrid desulphurisation of high sulphur indian coals	Prof. Srinivas Krishnaswamy	Chemical Engineering
5	2015H101014G	Subrejha J	Multilevel Inferential control of a reactor	Dr. Dhanya Ram V	Chemical Engineering
6	2015H101009G	Shah Manovi Tailap	Molten Salt Gasification of Carbonaceous Materials	Prof. Srinivas Krishnaswamy	Chemical Engineering
7	2015H101007G	Vinay Kaushik	Effect of shape & Size of Magnetic Hydroxyapatite nano particles on biological application	Prof. Sutapa Roy Ramanan	Chemical Engineering

8	2015H101013G	Bhati M Khavir	Study of tribological behaviour of greases with varying Composition	Dr. Asima Shaukat	Chemical Engineering
9	2015H103017G	Ayushi Goel	Investigation of Malicious android Apps	Sanjay Kumar Sahay	CS&IS
10	2015H103016G	Samriti Gupta	Design of Scheduling Algorithm for mixed Criticality Real time Systems	Dr. Biju K Raveendran	CS&IS
11	2015H103018G	Sidharth Iyer	Application of data mining techniques and visualisation in air warfare simulation systems	Dr. D.Vijay Rao	CS&IS

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HYDERABAD SEM-II 2016-17

S.No	BITS ID	Name	Topic	Supervisor	Department
1	2015H148052H	V VENKATESWARA RAO .	Experimental investigations on hybrid nano-composite PCM-mortar for sustainable buildings	Dr. Parameshwaran/Prof. V Vinayaka Ram	Mechanical Engineering
2	2011HS48275H	SYED RAZIUDDIN .	Materials characterization for use in thermochemical thermal energy storage	Dr. N. Jalaiah/Dr. Ramakrishnan Ganeshan	Mechanical Engineering
3	2015H124026H	DESHMUKH VAISHALI SAMBHAJIRAO	Optimization difference pattern for planar arrays	Dr. Srinivasa Rao Zinka	EEE
4	2015H124030H	ANKIT KUMAR .	Proposing a new routing protocol based on spatiotemporal data analysis for opportunistic network and comparing the valid results with other existing routing protocol	Mr. Abhishek Thakur/Mr. Ananth Saradhi	EEE
5	2015H124031H	SATHIYANARAYANA N R .	To study and implementation of energy efficient device discovery protocol for opportunistic networking	Mr. Abhishek Thakur/Mr. Ananth Saradhi	EEE
6	2011HS24132H	SUNKARA VENKATA PRASANTH .	Transmit in beam pattern in frequency diverse array	Prof. Yoganadam	EEE
7	2015H129009H	ANITHA R .	Consequences of molecular crowding on the structure and stability of the proteins	Prof. Ramakrishna Vadrevu	Biological Sciences
8	2015H143017H	AKHIL S .	Effect of friction of non structural elements on dynamic response of the structure	Dr. Chandu Parimi	Civil Engineering
9	2015H143018H	STUTI MONDAL .	Experimental characterization and numerical investigations of seismic base isolators and base-isolated structures	Dr. Vasant Matsagar/Dr.Mohan SC	Civil Engineering
10	2015H143019H	HISHAM HASAN MOHIUDDIN .	Topology optimization of cross-sections for structural design using level sets	Dr. Chandu Parimi/Dr.A.Vasan	Civil Engineering
11	2015H143020H	GOWRE MANOOKARE. S .	Using topology optimization for diagrid structure	Prof. A Vasana	Civil Engineering
12	2015H143021H	RAJASUGANTHA A .	Non-Linear seismic analysis of the 2 similar coupled with dampers	Mohan S C	Civil Engineering
13	2015H143023H	VARUN KONERU .	Assessing failure of dams and bridges using damage plasticity model a numerical approach	Kalyana Rama J S	Civil Engineering

S.No	BITS ID	Name	Topic	Supervisor	Department
14	2015H146061H	KUNAL MANOJ NINAVE .	Preparation & characterization of temperature sensitive liposome for topical co delivery of tamoxifen & imatinib for treatment of breast cancer	Dr. V Vamsi Krishna Venuganti	Pharmacy
15	2015H146062H	SAWALE ASHWINI SANJIVKUMAR RUKMINI	Development of formulation of shikonin for elective inhibition of inflammatory pathway in diabetic tissue injury	Dr. Onkar Kulkarni/Dr. V Vamsi Krishna Venuganti	Pharmacy
16	2015H146063H	SHAH AASHMA PRASHANT HEENA .	Formulation and evaluation of topical dosage form	Dr. Trupti Chitre/ Dr. Swati Biswas	Pharmacy
17	2015H146064H	MOHAMMED SHAREEF KHAN .	Formulation and characterization of cilnidipine nanocrystals	Prof. Punna Rao	Pharmacy
18	2015H146065H	KOMANDURI NEERAJA .	Powder Rheology evaluation for granulation	Dr. Ananad Rup Datta/Dr.Swati Biswas	Pharmacy
19	2011HS01497H	JASRAJ PADHI .	Crude oil characterization and correlation Development	Prof. Srikanta Dinda	Chemical Engineering
20	2011HS01504H	PARUCHURI BIPIN CHAKRAVARTHY .	Studies of Co2 capture from simulated flue gas	Prof. Srikanta Dinda	Chemical Engineering
21	2015H101010H	POORNIMA K .	Development of Synthetic resin	Prof. Srikanta Dinda	Chemical Engineering
22	2015H101012H	RAMADURGAM ANIRUDDHA .	Biomaterials in carbon capture synthesis characterization and performance studies	Dr. I Sreedhar	Chemical Engineering
23	2015H101013H	BITHUNSHAL U B .	Coupling of gas- solid flow of complex geometry	Dr. Vikranth Kumar Sursani	Chemical Engineering
24	2015H101014H	PATIL NEHA SANJAY .	Crude cracking and product analysis	Prof. Srikanta Dinda	Chemical Engineering
25	2015H101015H	SHIVANI MALIK .	Synthesis, Physic chemical , carbon capture and performance studies of Biomass derived porous carbon	Dr. I Sreedhar	Chemical Engineering
26	2015H101016H	MEGHA GUPTA .	Removal of heavy metals from waste water by using green catalyst	Dr. I Sreedhar	Chemical Engineering
27	2015H129003H	NIVETHA SIVASANKARAN .	Antimicrobial activity of lipase Immobilized Silver nanoparticle on microbial strains	Dr. Jayati Ray Dutta/Dr. Ramakrishnan Ganesan	Biological Sciences
28	2015H129006H	ROSHINI B .	Screening of steroid hormones for targeted therapeutics against cancer	Prof. K Pranav Narayan/ Prof. Naga Mohan	Biological Sciences
29	2015H129008H	DIVYATA MANVATI .	Role of Phosphorylation at the 445, Ser 448 o DMA P1 I in nuclear localization and cell cycle regulation	Prof. Naga Mohan	Biological Sciences

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S.No	ID No	Name	Title	Supervisor	Department
1.	2015H1410017U	Arvind Nageswaran	STUDY OF STRUCTURAL INTEGRITY OF CRANES USING EXPERIMENTAL STRESS ANALYSIS BY STRAIN GAUGING	Dr. Ram Karthikeyan	MECH
2.	2015H1410022U	D Satheesh Kumar	AUTOMATION OF WINCH MACHINE	Dr. R. Udaya Kumar	MECH

S.No	ID No	Name	Title	Supervisor	Department
3.	2015H1230012U	M Azeem Gafoor	DESIGN AND ANALYSIS OF HIGH SPEED PHASE LOCKED LOOP IN 180nm TECHNOLOGY	Dr. A R Abdul Rajak	EEE
4.	2015H1410014U	N.P. Pramod	NEWLY DESIGNED EXPLOSION PROOF ENCLOSURE WITH CYCOM 5254-4 MATERIAL AND ITS ANALYSIS	Dr. PriyankUpadhyaya	MECH
5.	2015H1410023U	Ranjeet Kumar	INTERPRETATION OF HEAT LOAD ANALYSIS OF A COMMERCIAL GREENHOUSE USING CONVENTIONAL AND NUMERICAL METHODS	Dr.Perirsamy	MECH
6.	2015H1120010U	Smitha S	A CLOUD TECHNOLOGY APPLICATION FOR EMERGENCY AND DISASTER MANAGEMENT USING ANDROID DEVICES	Mr. Nand Kumar	CS
7.	2015H1230011U	Syed Azhar Khalid Aisha	RADIATION HARDENED ADVANCED ENCRYPTION STANDARD CORE	Dr. Vilas H Gaidhane	EEE
8.	2015H1410009U	Vijay Joe Oommen	DESIGN OF FIXURES FOR INCREMENTAL SHEET METAL FORMING	Dr. Vishal GangadharNaranje	MECH
9.	2015H1410007U	Fernandes,Prakash Nevil	STUDY AND COST COMPARISION OF AN INCOLOY 925 MATERIAL WITH THAT OF A NICKEL PLATED 110 KSI ALLOY STEEL	Dr. Vincent Shantha Kumar	MECH
10.	2015H1410006U	Suresh Abhishek Mantripragada	AEROTHERMODYNAMICS OF HYPERSONIC VEHICLES	Dr. Shashank Khurana	MECH
11.	2015H1490016U	Nishanthi Hajis	HUMAN RESOURCES MANAGEMENT SELECTION PROCESS AND EXIT INTERVIEW	Dr. A Srinivas Rao	HSS
12.	2015H1490002U	Palash Saxena	SUPPLY CHAIN ANALYSIS OF SOUQ.COM	Dr. Sujala D Shetty	HSS
13.	2015H1490015U	T M Mahyar	HUMAN RESOURCES MANAGEMENT RECURITMENT PRACTICES AND PERFORMANCE APPRAISALS IN UAE	Dr. A Srinivas Rao	HSS
14.	2015H1490019U	Vemuri Sowmya	ISSUES AND CHALLENGES FACED BY MICRO LEVEL ENTREPRENEURS IN UAE	Dr. A Srinivas Rao	HSS
15.	2015H1490003U	Rahim,Sarosh Rahil	SUPPLY CHAIN MANAGEMENT IN A FMCG COMPANY	Dr. Sujala D Shetty	HSS

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S.No	BITS ID	Name	Topic	Supervisor	Department
1	2016H101014P	RAJAN SINGH	Nano catalyst system for H2 production	Dr. Banasri Roy	CHEMICAL
2	2016H101017P	JOSHI PARTH ASHISHBHAI	Experimental and Theoretical Investigation on steam gasification followed by catalytic conditionings.	Dr. Pratik N. Sheth	CHEMICAL
3	2016H101021P	PRITISH PRAYAG SAHOO	Design of soft-sensor for Reactive Distillation column	Prof. Hare Krishna Mohanta/	CHEMICAL

S.No	BITS ID	Name	Topic	Supervisor	Department
4	2016H101023P	PRASAD SUNIL SAHU	Novel catalyst for H ₂ production from renewable energy sources	Dr. Srinivas Appari	CHEMICAL
5	2016H101024P	RAJPUT ARTI AYODHYA PRASAD	Development of compact and eco-viable metallic nano-particle fixed bed for treatment of industrial wastewater	Prof. Suresh Gupta	CHEMICAL
6	2016H101025P	MOMIN XERXES MEHBOOB	Optimum Foam Quality for contaminated Soil Remediation and better detergent formulation	Dr. Pradipta Chattopadhyay	CHEMICAL

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GOA SEM-I 2017-18

S.No	BITS ID	Name	Topic	Supervisor	Department
1.	2016H101012G	Shuchi	Development of material for visible light photocatalytic hydrogen production from industrial waste water	Dr. Saroj Sundar Baral	Chemical Engg
2.	2016H101009G	Soham Surendra Kale	Influence of base oil consistency on rheological and tribological behaviour of biogreases	Dr. Asima Shaukat	Chemical Engg
3.	2016H101011G	Nikhil Sasidharan	Phase Equilibria	Prof. Srinivas Krishnaswamy	Chemical Engg
4	2011HD01588G	Alwin Micheal Tomy	Modelling Multilayered fluid flows over structured substrates	Dr. Rajagopal Vellingiri	Chemical Engg
5	2016H101013G	Ambika Parab	Air quality monitoring, emission inventory & source apportionment study for vasco	Prof. S.D. Manjare	Chemical Engg
6	2016H101008G	Malladi Mann Bhaskara Rao	Investigations on Corrosion protection behaviour of graphene polymer Nanocomposites	Dr. Sutapa Roy Ramanan	Chemical Engg

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S.No	BITS ID	Name	Topic	Supervisor	Department
1	2016H1010009H	AJJARAPU SWARNA LALITHA .	Studies on CO ₂ capture from gases using regenerable solid adsorbents	Prof. Srikanth Dinda	Chemical Engineering
2	2016H1010010H	SHAURYA MOHAN .	Bio sorption of heavy metals from the industrial effluent batch and column studies	Dr. Vikranth Kumar Sursani/Prof. N Rajesh & Prof. Vidya Rajesh	Chemical Engineering
3	2016H1010011H	NAMRATA UPRETI .	Thermal cracking of kerosene using lumped kinetic model(modeling and simulations)	Dr. Vikranth Kumar Sursani/Prof. Srikanth Dinda	Chemical Engineering
4	2016H1010012H	ABINAYA VENI R .	Growth and characterization of fungal biofilms: effects of process parameters	Dr. Asma Ahmed/Prof. Arvind N Raghavan	Chemical Engineering
5	2016H1010014H	MOHD RIZWAN KAREEMI .	Mathematical modeling of fuel cells	Dr. Balaji Krishnamurthy	Chemical Engineering
6	2016H1010013H	IYANGAR ANUSHA RAJA .	Coir based applications	Dr. D Poornima	Chemical Engineering
7	2016H1430017H	ANJU HANNA ALEX .	Determination of shrinkage strain of alkali activated binder concrete	Dr. Arkamitra Kar	Civil Engineering

S.No	BITS ID	Name	Topic	Supervisor	Department
8	2016H1430018H	AMIT KUMAR MAITI	Pavement Hysteresis interaction using Finite Element Method	Dr. Chandu Parimi/Prof. Sridhar Raju	Civil Engineering
9	2016H1480053H	KOLLI SRAVANI	Study on PCM based cladding for heating /cooling applications in building	Dr. Paremashwaran/Prof. Vinayaka Ram	Mechanical Engineering

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S.No	BITS ID	Name	Topic	Supervisor	Department
1.	2015H1410905U	Kiran Joseph Thomas	Corrosion Characterization Incoloy 925 And Nickel Plated Low Alloy Steel	Dr. Vincent Shantha Kumar	MECH
2.	2015H1410904U	Nithin Nelson	Effect Of Lubrication On Tribological Properties of Cold Working Tool Steel	Dr. Ram Karthikeyan	MECH
3.	2015H1490903U	Ashiq Mohammed Ashraf	Study Of Supply Chain Management In Fresh Food Industry & Its Analysis In Dubai Market	Dr. S. Baskaran	HSS
4.	2015H1490901U	Govindolla Sree Geethi	Analysis of Consumer Behaviour in UAE Retail Markets	Dr. Natesa Prasad	HSS
5.	2015H1490900U	Medha Ravindranath	Human Resource Practices In Uae	Dr. Srinivasa Rao	HSS
6.	2015H1490902U	Ram Kaushik Venkatnarayanan	Assessing the Implementation and Business Impact of ERP In SMEs - UAE	Dr. Sujala D Shetty	HSS

List of Research Publications in SCOPUS indexed journals - 2017

Pilani Campus

1. Srivastava A.M., Bagchi P., Das A., Layek B.; "High-density QCD phase transitions inside neutron stars: Glitches and gravitational waves" *Pramana - Journal of Physics*, 89 (4)
2. Paramanik R.N., Kamaiah B.; "An empirical analysis of Indian business cycle dynamics" *Economic Annals*, 62 (213), 7-25
3. Sinha A., Chotia V.; "Estimating the public efficiency of India: A state wise Analysis" *International Journal of Public Sector Performance Management*, 3 (3), 266-278
4. Suneja D., Chaturvedi N., Gurunaryanan S.; "A comparative analysis of read/write assist techniques on performance & margin in 6T SRAM cell design 2017" *International Conference on Computer, Communications and Electronics, COMPTHELIX*, 659-664
5. Shukla T., Kanna C.; "Information technology in relation to human resource management: An impact evaluation study on Indian banking sector" *International Journal of Human Resources Development and Management*, 17, 266-281
6. Basantani M.K., Gupta D., Mehrotra R., Mehrotra S., Vaish S., Singh A.; "An update on bioinformatics resources for plant genomics research" *Current Plant Biology*.
7. Chandran R., Sharma A., Bhomia M., Balakathiresan N.S., Knollmann-Ritschel B.E., Maheshwari R.K.; "Differential expression of microRNAs in the brains of mice subjected to increasing grade of mild traumatic brain injury" *Brain Injury*, 31 (1), 106-119
8. Choudhary B., Kamak M., Ratnakaran N., Kumar J., Awasthi A., Li C., Nguyen K., Matsumoto K., Hisamoto N., Koushika S.P.; "UNC-16/JIP3 regulates early events in synaptic vesicle protein trafficking via LRK-1/LRRK2 and AP complexes" *PLoS Genetics*, 13(11).
9. Dhattewal P., Mehrotra S., Mehrotra R.; "Optimization of PCR conditions for amplifying an AT-rich amino acid transporter promoter sequence with high number of tandem repeats from *Arabidopsis thaliana*" *BMC Research Notes*, 10 (1)
10. Dhawan R., Gupta K., Kajla M., Kakani P., Choudhury T.P., Kumar S., Kumar V., Gupta L.; "Apolipoprotein III acts as a positive regulator of Plasmodium development in *Anopheles stephensi*" *Frontiers in Physiology*, 8
11. Gella L., Raman R., Pal S.S., Ganesan S., Sharma T.; "Incidence, Progression, and Associated Risk Factors of Posterior Vitreous Detachment in Type 2 Diabetes Mellitus: Sankara Nethralaya Diabetic Retinopathy Epidemiology and Molecular Genetic Study (SN-DREAMS II, Report No. 7)" *Seminars in Ophthalmology*, 32(2), 191-197
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13. Gupta K., Dhawan R., Kajla M., Misra T., Kumar S., Gupta L.; "The evolutionary divergence of STAT transcription factor in different *Anopheles* species" *Gene*, 596, 89-97
14. Jain N., Bhargava A., Pareek V., Sayeed Akhtar M., Panwar J.; "Does seed size and surface anatomy play role in combating phytotoxicity of nanoparticles?" *Ecotoxicology*, 26(2), 238-249
15. John A., Vetrivel U., Subramanian K., Deepa P.R.; "Comparative docking of dual conformations in human fatty acid synthase thioesterase domain reveals potential binding cavity for virtual screening of ligands" *Journal of Biomolecular Structure and Dynamics*, 35(6), 1350-1366
16. Kajla M., Kakani P., Choudhury T.P., Kumar V., Gupta K., Dhawan R., Gupta L., Kumar S.; "Anopheles stephensi heme peroxidase HPX15 suppresses midgut immunity to support Plasmodium development" *Frontiers in Immunology*, 8
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19. Kulshrestha T., Gupta A., Chowdhury S.; "Classification of DNA structure through structure network analysis" *Proceedings of the 9th International Conference on Bioinformatics and Computational Biology, BICOB*, 45-50
20. Srinivas R., Singh A.P.; Application of Fuzzy Multi-criteria Approach to Assess the Water Quality of River Ganges, *Advances in Intelligent Systems and Computing*, 583, 513-522
21. Kumari N., Agrawal U., Mishra A.K., Kumar A., Vasudeva P., Mohanty N.K., Saxena S.; "Predictive role of serum and urinary cytokines in invasion and recurrence of bladder cancer" *Tumor Biology*, 39(4)

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23. Mehrotra R., Renganaath K., Kanodia H., Loake G.J., Mehrotra S.; "Towards combinatorial transcriptional engineering" *Biotechnology Advances*, 35 (3), 390-405
24. Mukherjee S., Dash S., Lohitesh K., Chowdhury R.; "The dynamic role of autophagy and MAPK signaling in determining cell fate under cisplatin stress in osteosarcoma cells" *PLoS ONE*, 12(6)
25. Nogia P., Tomar V., Sidhu G.K., Mehrotra R., Mehrotra S.; "Relative efficiencies of transient transformation of *Arabidopsis thaliana* and *Nicotiana tabacum* upon heterologous expression of membrane proteins" *Indian Journal of Biotechnology*, 16(2), 195-198
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4. Adhir Baran Chattopadhyay, and Sunil Thomas., "Investigations on Modeling Of Renewable Energy Phenomena Taking the Effect Of Non- Linearities into Account", Book (Chapter-4), Chapter in edited Book: Renewable Energy and Smart Grid Technology, Edited by V K Jain and S Y Kumar. Bloomsbury Publishing India Pvt Limited, February, 2017, ISBN: 978-93-86432-07-0.
5. Swati Varshney, Trayambak Basak, Mainak Dutta and Shantanu Sengupta, Chapter 4: Proteomics: Mass Spectrometry in Chemical Biology: Evolving Applications, Royal Society of Chemistry, <http://dx.doi.org/10.1039/9781788010399-00082> (2017), 82-143.
6. SV. Divyarashmi, A.Somasundaram and S. Arumugam., Global Secure Domination in Graphs, Springer Lecture Notes in Computer Science, Springer Lecture Notes in Computer Science. 50-54
7. S.Rajeswari,M.Indhumathy,A. Somasundaram, Neeru Sood and S. Arumugam., Identification of Salinity stress tolerant Proteins in *Sorghum bicolor* -Computational Approach, Lecture Notes in Computer Science (Springer). DOI 10.1007/978-3-319-64419-6_41(2017)10398, 318-325

K.K. Birla Goa Campus

1. Mechanisms of bacterial heavy metal resistance and homeostasis: an overview, In *Heavy Metals in the Environment: Microorganisms and Bioremediation*, Ed: Edgardo Donati, CRC Press, Taylor and Francis Group. (Accepted for Publication)
2. Saddhe, AAS, Kumar, K. and Dwivedi, P. (2017).Mechanism of ABA signaling in response to abiotic stress in plants. In Girdhar Pandey edit: Mechanism of plant hormone signaling under stress: A functional genomic frontier. ISBN-13:978-1118888926. Chapter 8.
3. Sunil Bhand and Geetesh K Mishra Chapter 18: Electrochemical Quartz Crystal Nanobalance (EQCN) Based Biosensor for Sensitive Detection of Antibiotic Residues in Milk: Book Title: Biosensors and Biodection Book Subtitle: Methods and Protocols, Volume 2: Electrochemical, Bioelectronic, Piezoelectric, Cellular and Molecular Biosensors. Editors: Rasooly, Avraham, Prickril, Ben ISBN: 978-1-4939-6910-4, Springer Vienna, https://link.springer.com/protocol/10.1007/978-1-4939-6911-1_18
4. Triple Limbasiya and Debasis Das, Secure Smart Vehicle Cloud Computing System for Smart Cities, Cloud Computing for Optimization: Foundations, Applications, and Challenges, Studies in Big Data 39, DOI: doi.org/10.1007/978-3-319-73676-1_15, Chapter 15, pp. 1-24, 2017.
5. Harsha V and Debasis Das, Secure Opportunistic Routing for Vehicular Adhoc Networks, "Pattern Engineering System Development for Big Data Analytics", under the series of Advances in Data Mining & Database Management (ADMDM), ISSN: 2327-1981, IGI Global, US, Chapter 3, pp. 1-19, 2017.
6. Debasis Patnaik and Aalap Tripathy (2017). Developing a Dynamic Framework to test the relationships among Stock Market Returns, Production and Consumption in Finite Time- Ch13-pp144-165 in Book ed by V V N Somayajulu titled 'Developments and Contributions to Economic Theoretical Issues and to Inter Industry Economics Frameworks pub by Himalaya Publishing House.

7. Published First Chapter ' Indigenous Knowledge Systems for Pro Poor Agriculture' in the Book 'Seeing Through the Spectacles of Sustainability' edited by Prof Kailas Bhavale and pub by Gokhale Institute Publishers.
8. Bhand S., Bacher G. (2018) Impedimetric Sensors in Environmental Analysis: An Overview. Environmental, Chemical and Medical Sensors, Springer. doi.org/10.1007/978-981-10-7751-7_4Published online on 23 Dec. 2017.
9. Alex, Rayson, S. Susan Deborah, Reena Cheruvalath and Gyan Prakash. Eds. Ecocultural Ethics: Critical Essays. USA: Lexington, 2017. (ISBN 978-1-4985-3247-1).
10. Amitendu Bhattacharya Ecology and Nationalism: Western Impact, Indian Response. New Delhi: Asia Book Club, 2017. [ISBN: 81-7851-096-0]
11. Solano Da Silva (2017) with Kenneth Bo Nielson 'Golden or Green? Growth Infrastructures and Resistance in Goa', in Tereza Kuldova & Mathew Varghese, Urban Utopias: Excess and Expulsion in Neoliberal South Asia, Palgrave Macmillan, pgs. 53-73.
12. Alex, Rayson K "Kaveri." Encyclopedia of Indian Religions. Ed. Sharma A. Dordrecht: Springer. (in Press) - Accepted for publication in 2017
13. Alex, Rayson K "Appar." Encyclopedia of Indian Religions. Ed. Sharma A. Dordrecht: Springer. (in Press) - Accepted for publication in 2017
14. Alex, Rayson K "Cilappatikaram." Encyclopedia of Indian Religions. Ed. Sharma A. Dordrecht: Springer. (in Press) - Accepted for publication in 2017
15. Alex, Rayson K "Kutiyattam." Encyclopedia of Indian Religions. Ed. Sharma A. Dordrecht: Springer. (in Press) - Accepted for publication in 2017
16. Parichay Patra "Escaping the DVD Dispositif: Abraham and the Historical Exhibition." Wondrous Screens: Indian Cinema and Exhibition Spaces. Ed. Madhuj Mukherjee and Kaushik Bhaumik. New Delhi: Routledge. Accepted for publication in 2017. Forthcoming.
17. Parichay Patra "Raped, Mutilated and Murdered: Gendered Bodies from the Diaz Universe." Gendered Ways of Trans-national Un-belonging from a Comparative Literature Perspective. Ed.
18. Indrani Mukherjee. Newcastle upon Tyne: Cambridge Scholars Publishing. Accepted for publication in 2017. Forthcoming.
19. R. P. Pradhan "Asian; ASEAN & Indo-Japan Economic Engagement: A Neoclassicism Perspective", edited, Jamia Milia, New Delhi, forth coming
20. R. P. Pradhan, Role of BRICS in World Politics, Kunal Books, Calcutta,
21. Sachin D. Waigaonkar: Improvement of Acceptance Sampling Inspection for the Operation of Sealing Packages/ Advances in Manufacturing, Lecture Notes in Mechanical Engineering. Springer, Cham https://doi.org/10.1007/978-3-319-68619-6_81
22. Sachin D. Waigaonkar: Organization of Visual Inspection and Its Impact on the Effectiveness of Inspection Advances in Manufacturing, Lecture Notes in Mechanical Engineering. Springer, Cham https://doi.org/10.1007/978-3-319-68619-6_87
23. Harichandra Chandekar, Vikas Chauhdari Sachine Waigoankar and N N Ghosh, "Thermal and dynamic mechanical analysis of jute polypropylene composites" in book entitled Advanced Polymeric materials for Sustainability and Innovations published by Apple Academic Press, CRC press. Accepted: Published in forthcoming edition, 15th February 2018.
24. Book Chapter published in Edited Book entitled "Decision Sciences for Business Sustainability" Palash Dhir and Varinder Singh,(2017) "Implementing Analytics in a Case of e-business",In: Digalwar A.K., Singh, A.K. and Singh R. (Eds) Decision Sciences for Business Sustainability , pp.303-310 . ISBN 978-93-86724-24-3

Hyderabad Campus

1. S. Dinda, Nikhil S. Reddy V., Appala Naidu U., S. Girish, Materials, Energy and Environment Engineering, Springer nature, 2017, ISBN: 978-981-10-2674-4.
2. Nadkarni, M. V., Sivanna, N., & Suresh, Lavanya., (2018). Decentralised Democracy: Gandhi's Vision and Indian Reality. New York: Routledge.
3. Suresh, Lavanya. (2017). Book Review of 'The great derangement: climate change and the unthinkable by Amitav Ghosh'. *Environmental Politics*, 26(6), 1158-1160. (Taylor & Francis) Available at: <http://dx.doi.org/10.1080/09644016.2017.1365808>
4. Mahapatra, Santosh. (2017). Book Review of "Learn English Teach English: English Skills for Teachers", FORTELL, Issue No. 34, January 2017.

List of Papers presented in various conference/ seminar by faculty members during 2017

Pilani Campus

1. Banerjee, P. & Bhanu Teja, Y. (2017). A neural network based attrition prediction model for a manufacturing plant, at 5th International Conference on Business, Analytics and Intelligence, 11-13 December, IIM Bangalore.
2. Chadha S (2017), "Corporate Governance and Capital Structure: A Panel Data Study", paper presented at International Conference on Research and Business Sustainability organized by IIT, Roorkee in December 16-17, 2017.
3. Chanda, Udayan and Goyal, Praveen (2017), "Optimal pricing strategies for two successive generations of consumer durables", Conference Proceedings of the 5th International Conference on Contemporary Marketing Issues (ICCM) 2017, pp. 505 - 514.
4. Chanda, Udayan and Kumar, Alok (2017), "Dynamic Adoption Rate and its Impact on Inventory Policy, Effect of Dynamic Potential Adoption on Inventory Policy of New Products" Proceedings of 2nd International Conference on Evidence Based Management, pp. 215 – 219.
5. Dhar S, Sharma S, Routroy S and Chadha S (2017), "Measuring the impact of socially responsible supply chains on firm performance" at Joint Indo-German Conference on Sustainable Engineering, BITS Pilani.
6. Divatia, A., Lakdawala, S. and Tikoria, J. (2017) Analysis of Maturity Models for Business Intelligence and Analytics, published in conference proceedings of 2nd International Conference on Evidence Based Management (ICEBM 2017) organized at, BITS Pilani on 17th - 18th March 2017, pp. 195 - 201.
7. Dutta, N., & Bhat, A. 2017. "Lip Service or Real Concern: Testing the Claim to Pay Premium for Green Products through an Experimental Research" in the 2017 Summer Marketing Educators' Conference (Summer AMA) organized by American Marketing Association at San Francisco, California, United States from Aug 4, 2017 to Aug 6, 2017 (ISSN: 1054-0806; ISBN: 0-87757-366-2), pp. D28-D32
8. Dutta, N., & Bhat, A. 2017. "Influence of Relational Characteristics of Social Network Sites on Intention to Pass-along Electronic Word of Mouth: Exploring the Role of Trust" in the 2017 Summer Marketing Educators' Conference (Summer AMA) organized by American Marketing Association at San Francisco, California, United States from Aug 4, 2017 to Aug 6, 2017 (ISSN: 1054-0806; ISBN: 0-87757-366-2), pp. F65-F66
9. Goyal Praveen (2017), "Sustainability Evidences from Hindu Philosophy", Proceedings of 2nd International Conference on Evidence Based Management, pp. 315-319
10. Goyal, Praveen and Chanda, Udayan (2017), "Impact of CSR on customer satisfaction and trust: A study of Indian Hotel Industry", Conference Proceedings of the 5th International Conference on Contemporary Marketing Issues (ICCM) 2017, pp. 377 - 383.
11. Goyal, Praveen and Kumar, Divesh Kumar (2017), "Fuzzy AHP model to prioritize barriers of CSR Implementation in Indian service industry", Joint Indo-German Conference on Sustainable Engineering, Sept. 15-16, 2017
12. Kumar Vinod Kumar, Goyal Praveen, Vandana and Garg Ruchi Jain (2017), "Stakeholder Classification: A Sustainability Marketing Perspective", Proceedings of 2nd International Conference on Evidence Based Management, pp. 111-115
13. Kumar, Alok and Chanda, Udayan (2017), "Effect of Dynamic Potential Adoption on Inventory Policy of New Products" Proceedings of 2nd International Conference on Evidence Based Management, pp. 210 - 214
14. Kumar, Alok and Chanda, Udayan (2017). "Optimal inventory policy under credit financing for dynamic marketing strategy" accepted for presentation at the 11th ISDSI International Conference to be held at the Indian Institute of Management (IIM) Tiruchirappalli, Tiruchirappalli, Tamil Nadu, India during December 28- 30, 2017.
15. Mahesh, J. & Bhat, Anil, 'Value Creation Framework for a Higher Educational Institution: A Case of a Reputed Technology University in India'. Paper presented at the 5th Biennial Conference of the Indian Academy of Management, held at Indian Institute of Management, Indore from December 18-20, 2017.
16. Mahesh, J. & Bhat, Anil, 'Convergence of Management Practices in India's IT Sector - The Mirage and Myopia of Managerial Perception'. Paper presented at the Inaugural Conference of Aston India Centre for Applied Research (AICAR), held at Aston University, Birmingham from September 15 -16, 2017.
17. Nagpal Gaurav, Matai Rajesh (2017). "Location of Trauma Centres in Haryana: A Critical Review of Current Landscape", Proceedings of the Second International Conference on Evidence Based Management (ICEBM 2017), March 17-18, BITS Pilani, India, pp. 274-279.
18. Neetu Yadav "Disruptive innovation at the bottom of the pyramid: What role is India Inc playing?", In Conference proceedings of National Conference on Managing Change in Evolving Economic Scenario, MDI, pp. 289-299. ISBN: 978-93-86238-37-5 Excellent Publishing House (Dec. 5-6, 2017).

19. Neetu Yadav, "Sustaining Competitive Edge of Indian Outsourcing IT-ITes Industry: A Systems Approach", In online Conference proceeding of 2nd Asia-Pacific Region System Dynamics Conference of the System Dynamics Society, National University of Singapore, Singapore, (19-22 Feb 2017).
20. Neetu Yadav, Role of Digital India in achieving Sustainable Development Goals: An Exploratory Study", Conference presentation at 5th PAN IIM World Management Conference at IIM Lucknow, India (Dec. 14-16, 2017)
21. Neetu Yadav, "Building Sustainable Enterprise: An Investigation of India's Top Conglomerate", In online Conference proceeding of International Conference on Strategies in Volatile and Uncertain Environment for Emerging Markets", Indian Institute of Technology Delhi, India, (14-15 Jul 2017).
22. Nikita Sharda, Anil. K. Bhat, P.K. Sinha. "A Study of antecedents of luxury consumption among young Indian luxury consumers" accepted for presentation in 7th IIMA Conference on Marketing in Emerging Economies in IIM Ahmedabad from 11th - 13th January, 2017
23. Rana ,Arunima, Anil Bhat,Rani, Leela "Interaction Effects of Sources of Online Brand Equity: An Investigation" has been selected to be presented at 7th IIM-A Conference on Marketing in Emerging Economies, 2017 to be held at IIM, Ahmedabad during 11th-13th January, 2017
24. Satyavageeswaran, P., Agariya, A. K. and Tikoria, J. (2017) Social Marketing and Engagement: A Systematic Review, published in conference proceedings of 2nd International Conference on Evidence Based Management (ICEBM 2017) organized at, BITS Pilani on 17th - 18th March 2017, pp. 99 - 104.
25. Sharma S and Chadha S (2017), "Risk Adjusted Landed Cost Model in Supply Chain" at International Conference on Research and Business Sustainability organized by IIT, Roorkee in December 16-17, 2017.
26. Sharma Satyendra Kumar, Singh Ravinder and Matai, Rajesh (2017). "Relationship between supply chain performance and firm performance", International Conference on Flexible System and Management organized by GLOGIFT and DTU, 11-13 Dec 2017.
27. Singh R, Sharma S, Matai R and Chadha S (2017), "Measuring Effect of Supply Chain Design on Firm Performance Using Bayesian Networks" at GLOGIFT 2017, DTU Delhi.
28. Singh Ravinder, Sharma Satyendra Kumar, Matai Rajesh (2017). "Barriers and Enablers of Strategic Sourcing Risk Management: A Perspective of Indian Automotive Industry", Proceedings of the Second International Conference on Evidence Based Management (ICEBM 2017), March 17-18, BITS Pilani, India, pp.236-244.
29. Singh, Munish Pal, Sharma, Satyendra Kumar and Chanda, Udayan (2017), " A Changing Scenario of Service Quality in Passenger Car Segment". Proceedings of 2nd International Conference on Evidence Based Management, pp. 132 - 136
30. Singh, S., Banerjee, P., David, R. & Mikkilineni, S. (2017). Moderating and mediating effect of psychological hardiness and perceived social support on the relationship between goal orientation and coping mechanism, at 4th International Conference on Human Resource Management, 11-12 November, IBS Hyderabad, IFHE University
31. Singhal, A., Agariya, A. K. and Tikoria, J. (2017) Service Quality Scales: Literature Review, published in conference proceedings of 2nd International Conference on Evidence Based Management (ICEBM 2017) organized at, BITS Pilani on 17th - 18th March 2017, pp. 84 - 90.
32. Tiwari, P.; Bhat, A. K. and Tikoria, J. (2017) "The effect of emotional intelligence, empathy and perceived social pressure on predicting social entrepreneurial intention" International Conference on Methodological Issues in Social Entrepreneurship Knowledge and Practice, on 18-20 January, 2017 at TISS Mumbai.
33. Tiwari, P.; Bhat, A. K. and Tikoria, J. (2017), "The Effect of Emotional Intelligence, Moral And Perceived Social Pressure On Predicting Social Entrepreneurial Intention: A Field Research", PAN IIM WMC 2017.
34. Unnikrishnan, P.M., Tikoria, J. and Agariya, A. K. (2017) A Review of Select Business Excellence Models, published in conference proceedings of 2nd International Conference on Evidence Based Management (ICEBM 2017) organized at, BITS Pilani on 17th - 18th March 2017, pp. 358 -365.
35. Yadav, N; Tikoria, J. and Dadhich, A. (2017) Building Sustainable Enterprise: An Investigation of India's Top Conglomerate, International Conference on Strategies in Volatile and Uncertain Environment for Emerging Markets, organized by IIT Delhi on 14th - 15th July, 2017.
36. Dr. Jayashree Mahesh participated in a Professional Development Workshop on Teaching effectiveness by Prof. Jyoti Bachani, Prof. Nagaraj Sivasubramaniam, Prof. Vasanthi Srinivasan, INDAM, Indian Institute of Management, Indore from December 19, 2017.
37. Dr. Jayashree Mahesh participated in a Professional Development Workshop Indian Insights: Integrating Individuals, Institutions & Innovations by Prof. Nagaraj Sivasubramaniam, Prof. Jyoti Bachani , INDAM, Indian Institute of Management, Indore from December 19, 2017, INDAM, Indian Institute of Management, Indore from December 20, 2017,
38. Dr. Jayashree Mahesh participated in the a Publication Workshop Prof. Pawan Budhwar (Editor-in-Chief, British Journal of Management) Prof. Peter Bamberger (Incoming Editor-in-Chief, Academy of Management Discoveries) Prof. Anoop Madhok (Schulich School of Business, Canada).

39. Dr. Jayashree Mahesh participated in the Workshop on Common Shortcomings in Manuscripts Submitted to Management Journals by Prof. Naresh Khatri, Prof. Arup Varma, Prof. Pawan Budhwar, INDAM, Indian Institute of Management, Indore from December 20, 2017.
40. Dr. Jayashree Mahesh participated in the Workshop on Management Research in India: Current State and Future Directions by Prof. Naresh Khatri, Prof. Arup Varma, Prof. Pawan Budhwar, INDAM, Indian Institute of Management, Indore from December 18, 2017.
41. Dr. Leela Rani, 1st Capability Building Workshop on Case Writing, organized by All Indian Management Association & in collaboration with The Case Centre, UK on 9th, 10th & 11th August 2017 at AIMA.
42. Dr. Neetu Yadav Participated in Workshop on “Agile Modeling with Sysdea”, Organized at National University of Singapore, Facilitator: Kim Warren. (22 Feb 2017).
43. Dr. Neetu Yadav Participated in Workshop on “Introduction to Business Strategy using Management Game and Systems Modeling: Fishbanks”, Organized at National University of Singapore, Organized by: Change Agent Inc. (22 Feb 2017).
44. Dr. Neetu Yadav Participated in 1st Capability building workshop on “Case Writing”, Organized at All Indian Management Association, New Delhi, Organized by: Case Center, UK. (9-11 Aug 2017).
45. Dr. Pratyush Banerjee completed Certification program on Human Resource Analytics from Aon-Hewitt Learning Center in September 2017.
46. Dr. Praveen Goyal participated in a Special session in Chalkidki (24 - 25 June 2017) of the 5th International Conference on Contemporary Marketing Issues (ICCM) 2017, Thessaloniki, Greece
47. Dr. Saurabh Chadha participated “Teaching with Simulations Workshop”, organized by SPJIMR Mumbai and Harvard Business Publishing, 27th October – 28th October 2017.
48. Dr. Udayan Chanda participated Special session in Chalkidki (24 - 25 June 2017) of the 5th International Conference on Contemporary Marketing Issues (ICCM) 2017, Thessaloniki, Greece
49. Surabhi Koul, Case teaching and writing workshop, conducted by IIM Lucknow (Noida Campus) and IVEY Publishing, Canada, on 5th September to 8th September, 2017.
50. Anubha Dadhich, Case teaching and writing workshop, conducted by IIM Lucknow (Noida Campus) and IVEY Publishing, Canada, on 5th September to 8th September, 2017.
51. Neetu Yadav, 1st Capability building workshop on “Case Writing”, Organized at: All Indian Management Association, New Delhi (9-11 Aug 2017), Organized by Case Center, UK
52. Subhash Chander, Pankaj Bhateja, Sankaranarayanan Murugesan Structure based virtual screening studies on drug database for search of potent HIV-1 RT inhibitors 69th IPC-2017 Chitkara University, Rajpura, Punjab December 22-24
53. Subhash C, Barkha Bhagwani, Jaju M, Valentina Parthiban, Ilango Kaliappan, Baburaj Bhaskar, S Murugesan In-silico evaluation of 1-(5-(2-benzo(1,3)dioxol-5-yl)vinyl-4,5-dihydro-pyrazol-3-yl)piperidine derivatives as Arachidonate-12-lipoxygenase inhibitor International Conference on Nano and Functional Materials: Interface between Science and Engineering Department of Chemistry, BITS Pilani, Pilani Campus, Rajasthan November 16-18
54. Subhash Chander, Barkha Bhagwani, Jaju Mahesh, Sankaranarayanan Murugesan Paper entitled "Design, synthesis and anti-HIV-1 RT evaluation of Benzopiperidine based carbamates" presented at International Conference on Nano and Functional Materials: Interface between Science and Engineering International Conference on Nano and Functional Materials: Interface between Science and Engineering Department of Chemistry, BITS Pilani, Pilani Campus, Pilani-333031. Rajasthan November 16-18
55. Subhash Chander, Ping Wang, Penta Ashok, Liu-Meng Yang, Yong-Tang Zheng and Murugesan Sankaranarayanan Design, synthesis and anti-HIV-1 RT evaluation of 2-amino-1-(piperazin-1-yl)ethan-1-one based compounds National Conference on Emerging Trends in Computer Aided Drug Design & Drug Delivery School of Pharmacy & Emerging Sciences, Baddi University of Emerging Sciences & Technology, Baddi May 11
56. Subhash Chander, Ping Wang, Penta Ashok, Liu-Meng Yang, Yong-Tang Zheng and Murugesan Sankaranarayanan Design, synthesis and anti-HIV-1 RT evaluation of 2-amino-1-(piperazin-1-yl)ethan-1-one derivatives International Conference on Drug Design (ICDD-2017) Convention Center, JNU, New Delhi April 7-9
57. Bhagwani B, Jaju MB, Chander S, Chandra Sekhar KVG and Murugesan S In-silico evaluation of piperazin-1-yl(pyrazin-2-yl)methanone and (1,4-diazepan-1-yl)(pyrazin-2-yl)methanone based compounds as inhibitors of pantothenate synthetase National conference on Impact of Pharmaceutical Biotechnology on the future of medicine Geetanjali Institute of Pharmacy, Geetanjali University, Udaipur-313002. Rajasthan March 24-25
58. Chander S, Ashok P, Zheng Y T, Wang P and Murugesan S Design, synthesis and in-vitro evaluation of novel benzopiperidine carbamates as HIV-1 RT inhibitor International Conference on Challenges in Drug Discovery and Delivery (ICCD3-2017) Department of Pharmacy, BITS Pilani, Pilani Campus, Pilani-333031. Rajasthan March 2 - 4.

59. Jaju MB, Bhagwani B, Chander S and Murugesan S Search of potent anti-HIV-1 RT inhibitors via in-silico based drug repositioning approach International Conference on Challenges in Drug Discovery and Delivery (ICCD3-2017) Department of Pharmacy, BITS Pilani, Pilani Campus, Pilani-333031. Rajasthan March 2 - 4
60. Penta Ashok, Subhash Chander, Rafael Balaña Fouce, Larry M. C. Chow, Iris L. K. Wong, Sankaranarayanan Murugesan Synthesis and evaluation of β -carboline piperazine analogues as anti-leishmanial agent International Conference on Challenges in Drug Discovery and Delivery (ICCD3-2017) Department of Pharmacy, BITS Pilani, Pilani Campus, Pilani-333031. Rajasthan March 2 - 4
61. Murugesan Sankaranarayanan Workshop attended 3rd Workshop on Analytical Instruments for Chemical and Environmental Engineers (WAICEE-2017)" Department of Chemical Engineering, BITS, Pilani- Pilani Campus February 10-11
62. Subhash Chander, Penta Ashok, Bidart de Macedo Maira, Paul Cos, Davie Cappoen and Sankaranarayanan Murugesan Design, synthesis and anti-tubercular activity of novel tetrahydroquinoline based hydrazides 23rd ISCB International Conference (ISCB-2017), Interface of Chemical Biology in Drug Research Indian Society of Chemists and Biologists, SRM University, Chennai February 8-10.
63. Murugesan Sankaranarayanan Attended workshop Achieving High Quality in Education at the Tertiary Level. BITS Pilani January 9-10
64. Sruthi Ramagiri, Rajeev Taliyan Northern Regional conf of Indian Pharmacological Society-NRIPSCON-17: Ifenprodil reduces brain injury induced by cerebral ischemic reperfusion injury: Potential role of N-methyl D-aspartate receptor subtype 2B (NR2B) KIET group of Institution, Ghaziabad September 1-2
65. Sarathlal KC, Sruthi Ramagiri, Rajeev Taliyan Northern Regional conf of Indian Pharmacological Society-NRIPSCON-17: Protective role of sodium butyrate against brain damage induced by cerebral stroke: Modulation of HDAC activity KIET group of Institution, Ghaziabad September 1-2,
66. Rajeev Taliyan Attended workshop Two Days workshop on Flow Cytometry Dept of Biol. Science: BITS Pilani January, 18-19
67. Violina K, Sorabh Sharma, Rajeev Taliyan 69th Indian Pharmaceutical Congress, 2017 Implication of HDAC and GSK 3 beta in insulin resistance induced neurodegeneration Chitkara University, Chandigarh December, 22-24,
68. Sarathlal, Deepak Chitkara, Rajeev Taliyan 69th Indian Pharmaceutical Congress, 2017 Evaluation of protective effect of rosiglitazone, PPAR γ agonist, in HFD induced insulin resistance and Alzheimer's type of dementia Chitkara University, Chandigarh December, 22
69. Rajeev Taliyan 69th Indian Pharmaceutical Congress, 2017 LOC-member, Poster Evaluation expert Chitkara University, Chandigarh December, 22
70. Sorabh Sharma, Rajeev Taliyan 14th ISN Advanced School on Neurochemistry: Histone deacetylases inhibitor, SAHA, ameliorated the toxic effects of high fat diet induced insulin resistance in hemiparkinson's Paris, France. August 16-20.
71. Sorabh Sharma, Rajeev Taliyan Alzheimer's Association International Conference AR-A014418, a GSK-3 β Inhibitor, Attenuates Alzheimer like Pathology in High Fat Diet Induced Cognitive Deficit in Mice London, England. July 16-20
72. Sorabh Sharma, Rajeev Taliyan International Conference on Challenges in drug discovery and delivery Beneficial Effects of Co-administered Lithium Chloride and Valproate in Intracerebro ventricular Streptozotocin Induced Behavioral and Biochemical Abnormalities in Rats. BITS Pilani, Pilani Campus March 2-4
73. Sruthi Ramagiri, Rajeev Taliyan International Conference on Challenges in drug discovery and delivery Protective effects of remote limb ischemic postconditioning against cerebral ischemic reperfusion injury: Role of HO-1. BITS Pilani, Pilani Campus March 2-4
74. Vaishnavi Nimbalkar, Tushar Date, Anupama Mittal, Deepak Chitkara Development And Evaluation Of Self-Assembling Amphiphilic Micelles Of Mpeg-Pla Loaded With Docetaxel For Cancer Treatment International conference on Challenges in drug discovery and delivery (ICCD3-2017) BITS Pilani, Pilani Campus March 2-4
75. Vinayak Mharugde, Saurabh sharma, Kishan Italiya, Samrat Mazumdar, Anupama Mittal, Deepak Chitkara, RNAi THERAPEUTICS: Sojourn from Discovery to Delivery Challenges, Clinical Status & Global Delivery Market International conference on Challenges in drug discovery and delivery (ICCD3-2017) BITS Pilani, Pilani Campus March 2-4
76. Saurabh Sharma, Samrat Mazumdar, Kishan Italiya, Tushar Date, Anupama Mittal, Deepak Chitkara. miRNA-34a Loaded micelleplexes for Treatment of Breast Cancer International Conference on NANO-AND FUNCTIONAL MATERIALS: Interface between Science & Engineering (NFM-2017) BITS Pilani, Pilani Campus March 2-4
77. Gautam Singhvi Workshop on flow cytometry Two days hands on workshop on Flow Cytometry Department of biological sciences, BITS Pilani June 18-19
78. Gautam Singhvi 3rd Workshop on Analytical Instruments for Chemical and Environmental Engineers (WAICEE-2017) 3rd Workshop on Analytical Instruments for Chemical and Environmental Engineers (WAICEE-2017) Department of Chemical Engineering, BITS Pilani, Pilani Campus February 10-11

79. Saswata Banerjee, Gautam Singhvi Development and optimisation of solid lipid nanoparticles of ketoconazole with low surfactant concentration using factorial design International conference on Challenges in drug discovery and delivery (ICCD3-2017) BITS Pilani, Pilani Campus March 2-4
80. Vishal Girdhar, Shalini Patil, Saswata Banerjee, Gautam Singhvi Study the influence of process parameters and formulation variables on particle size of lipid based liquid crystal nanoparticles International conference on Challenges in drug discovery and delivery (ICCD3-2017) BITS Pilani, Pilani Campus March 2-4
81. Shalini Patil, Vishal Girdhar, Saswata Banerjee, Gautam Singhvi Cubosomes: A New Approach Towards Nano Drug Delivery International conference on Challenges in drug discovery and delivery (ICCD3-2017)BITS Pilani, Pilani Campus March 2-4
82. Gautam singhvi*, Saswata Banerjee, Archana Khosa. Design of ketoconazole containing lipidic nanocarrier loaded topical delivery system using QBD approach for effective treatment of fungal infection.NanoSciTech 2017, Expanding Horizons of Nanotechnology: Next Gen Challenges in Biomedical Sciences, Panjab University, Chandigarh. November 9-10
83. C Saravan Krishna, Gautam Singhvi Insitu nano-formulation approaches for drug delivery system International Conference on nano- and functional materials: Interface between Science & Engineering (NFM-2017). BITS Pilani, Pilani Campus November 9-10
84. Kirti Singh, Aniruddha Roy Role of nanotherapeutics in cancer immunotherapy International Conference on Challenges in Drug Discovery and Delivery (ICCD3-2017) BITS Pilani, Pilani Campus March 2-4
85. Nitita Hinge, Bismay Raje, Aniruddha Roy Delivery of anti-malarial drug using RBC ghost: a prospective strategy for better prognosis of the disease International Conference on Challenges in Drug Discovery and Delivery (ICCD3-2017) BITS Pilani, Pilani Campus March 2-4
86. Nitin Chauhan, Parbhat Saini, M M Pandey Formulation and Evaluation of Mucoadhesive Buccal Tablets of Felodipine International Conference on Challenges in Drug Discovery and Delivery (ICCD3) BITS Pilani, Rajasthan March 2-4
87. Krishna K V, Dubey S K, Saha R N. Development and pharmacokinetic studies of donepezil loaded polymeric nano-micelles Nano and Functional Materials- Interface between Science and Engineering BITS Pilani, Pilani Campus November 16-18
88. Dixit A, Routroy S, Dubey S K Government Supported Healthcare Supply Chain: Rajasthan's Journey towards Sustainability, Joint Indo-German Conference on Sustainable Engineering BITS Pilani, Pilani Campus, September 15-17
89. Gupta K, Dixit A, Routroy S, Dubey S K Government Supported Generic Drug Supply Chain in India: A Study on Critical Success Factors, International Conference on Evidence Based Management BITS Pilani, Pilani Campus March 17-18
90. Krishna K V, Dubey S K, Saha R N. Synthesis and Characterization of Amphiphilic Di-Block Polymer and Its Application as a Nanocarrier for Donepezil International Conference on Challenges in Drug Discovery and Delivery BITS Pilani, Pilani Campus March 2-4
91. Ganguly S, Gupta K, Dubey S K Pharmaceutical Quality By Design: Evolution, Understanding and Incorporation In Industrial Perspective International Conference on Challenges in Drug Discovery and Delivery BITS Pilani, Pilani Campus March 2-4
92. Jetwani A, Jindal M, Dubey S K A Simple, Sensitive, Economical Spectroscopic Method for Simultaneous Estimation of Norfloxacin and Tinidazole in Bulk and Formulation, International Conference on Challenges in Drug Discovery and Delivery, BITS Pilani, Pilani Campus March 2-4
93. Krishna K V, Agnihotri T, Dubey S K, Saha R N, Surface Modified Rivastigmine Loaded PCL Nanoparticles for Alzheimer's Disease, ICMR sponsored conference Siksha'O' Anusandhan University February 17-18
94. Priyesh Shukla and Anu Gupta "Current-Mode PMOS Capacitance Multiplier", 2017 IEEE International Conference on Inventive Systems and Control (ICISC), Coimbatore, Jan 19- 20 2017
95. Priyesh Shukla and Anu Gupta , "Quad-NMOS Cross-coupling for Linearity Enhancement in High Frequency Continuous-time OTA-C Filters with IM3 Below -70 Db", International Journal of Information and Electronics Engineering (ICIEE 2017), February 22-24, 2017, Singapore
96. Anuj Kumar Ojha and A.V. Praveen Kumar, Excitation of Higher Order Modes of Cylindrical Dielectric Resonator Antenna using Dual-slot feed , presented at 3rd International conference on communication systems (ICCS17), 14-16 October, 2017, BKBIT, Pilani
97. Ritish Kumar, Piyush S and A.V. Praveen Kumar, Offset fed slot antenna for broadband operation, presented at 3rd International conference on communication systems (ICCS17), 14-16 October, 2017, BKBIT, Pilani
98. Jose Kurian John and A.V. Praveen Kumar, Trade-offs in Dielectric Spectroscopy using Cavity Perturbation at the X-Band, presented at International Conference on Emerging Areas in Material Engineering (ICEAME), 13-15 July, 2017, Amal Jyoti College of Engineering, Kanjirappally, Kerala

99. Anuj Kumar Ojha and A.V. Praveen Kumar, A Dielectric Resonator Inspired Displacement Sensor, presented at International Conference on Optical and Wireless Technologies (Springer), Jaipur, India, 18-19 March, 2017
100. A.V. Praveen Kumar and Graeme Burt, Hybrid electromagnetic modes - structures and characteristics, presented at IEEE Applied Electromagnetic Conference (AEMC17), MIT, Aurangabad, 19-22 December 2017
101. Rishabh Bhardwaj, Sagnik Majumder, Pawan K. Ajmera, "Temperature Compensation of ISFET Based pH Sensor Using Artificial Neural Networks" 11th IEEE Regional Symposium on Micro and Nanoelectronics (RSM), Penang, Malaysia, 23-25 August 2017.
102. Harsh Sinha, Raunak Manekar, Yash Sinha, and Pawan K. Ajmera, "Convolutional Neural Network based Human Identification using Outer Ear Images" 7th International Conference on Soft Computing for Problem Solving (SocProS 2017), IIT Bhubaneswar, 23-24 December 2017.
103. Kavindra Kandpal, Jitendra Singh, Navneet Gupta and Chandra Shekhar, "Effect of Thickness on the Properties of ZnO Thin Films Prepared by RF Sputtering", 17th International Conference on Thin Films (ICTF-2017), NPL, New Delhi, November 13-17, 2017.
104. B. Sainath, Rahul Gupta, Pratik Devikar "Fading Averaged-Spectral Efficiency Analysis of Average Interference-Constrained, Cooperative Device-to-Device Communication System," IEEE INDICON, IIT Roorkee, India, Dec. 2017.
105. B. Mahesh, B. Sainath "A Probabilistic Model for Random Horizontal Ranges Of Projectile," International Conference on Sports Engineering (ICSE), Jaipur, Rajasthan, India, Oct. 2017.
106. B. Sainath, Santosh A and Jagadeesh K "Energy Harvesting Relay Outage Probability Analysis of Cooperative Communication System over Small and Large Scale Fading Channels," IEEE International Conference on Advances in Computing, Communications, and Informatics (ICACCI), Manipal, Karnataka, India, Sep. 2017.
107. B. Sainath, Satwik Prabhu K, and, Naman Gupta "Energy Efficient Sleep Period Optimization for Green Radio Communication," URSI Regional Conference on Radio Science, Tirupati, India, Mar. 2017.
108. Prakhar kumar, Srijan Rastogi, Anu Gupta, "Novel design of linear low power Gm-C based voltage controlled filter with programmable gain", International Conference Of Science Technology & Management (ICSTM-2017), 24 september 2017, Bengaluru.
109. Brahmhatt Viralkumar Kishorkumar, Anu Gupta, "demonstration of CORDIC based Digitally assisted analog using 12 bit pipelined ADC ", International Conference Of Science Technology & Management (ICSTM-2017), 24 september 2017, Bengaluru.
110. Harshavardhan Settibhaktini and Anantha Krishna Chintanpalli, "Computational Model Predictions of Level-Dependent changes for Concurrent Vowel Identification, 40th Meeting of Association for Research in Otolaryngology, Baltimore, USA, Feb 11-15, 2017.
111. A. K. Kuna, K. Kandpal and K. B. R. Teja, "An investigation of FinFET based digital circuits for low power applications," 2017 International Conference on Circuit , Power and Computing Technologies (ICCPCT), Kollam, 2017, pp. 1-6.
112. Tushar Goyal and Ankush C. Jahagirdar, "A Comparative study of Control Algorithms for detumbling of an Active Magnetically Actuated Nanosatellite" 9th European CubeSat Symposium, Kursaal, Ostend, Belgium, Nov 29- Dec 1, 2017.
113. S Pulipaka, R Kumar, "Comparison of SOM and conventional neural network data division for PV reliability power prediction", IEEE EEEIC 2017, Milan, Italy, June 6-9, 2017, 1-5
114. S Pulipaka, R Kumar, "Performance Enhancement of Neural Network Training using Hybrid Data Division Technique for Photovoltaic Power Prediction", IEEE EEEIC 2017, Milan, Italy, June 6-9, 2017, 1-6
115. Pranshu, Shaishta, Nitin, S Gurunarayanan, "An Exploration of Neuromorphic Systems and Related Design Issues/Challenges in Dark Silicon Era" in 3rd International Conference on Communication Systems, ICCS-2017, 14-16 October 2017, BKBIET, Pilani, India.
116. Nitin Chaturvedi, Ajay Shekhawat, Bhavesh Verma, Sachin Belgamwar, Navneet Gupta, "Investigation & Design Challenges of Advance Sensor/Material Selection for IoT based Protective Gears for Training/Impact scoring in Taekwondo", in International Conference on Sports Engineering, ICSE-2017, 23-25 October 2017, Jaipur, India.
117. Suvi Jain, Nitin Chaturvedi, S Gurunarayanan, "Design and Analysis of 6T SRAM Cell with NBL Write Assist Technique Using FinFET" in International Conference on Computer, Communications and Electronics, COMPTHELIX 2017, 1-2 July 2017, Jaipur. (IEEE-Xplore)
118. Divya Suneja, Nitin Chaturvedi, S Gurunarayanan, "A Comparative Analysis of Read/Write Assist Techniques on Performance & Margin in 6T SRAM Cell Design" in International Conference on Computer, Communications and Electronics, COMPTHELIX 2017, 1-2 July 2017, Jaipur. (IEEE -Xplore)
119. N. Sharma, S. Dhakad, K. Singh, N. Chaturvedi, A. Chauhan, C. Periasamy, and N.Chaturvedi , "AlGaIn/GaN HEMT based pH sensor", in "The XIX International Workshop on The Physics of Semiconductor Devices (IWPSD 2017)", Dec. 11-15, 2017, Delhi, India

120. N. Chaturvedi, S. Mishra, S. Dhakad, N Sharma, K. Singh, N. Chaturvedi, R. Taliyan, A. Chauhan, P. Parjapat, D.K Kharbanda, and P.K Khanna "Development of GaN HEMTs based Biosensor", in "The XIX International Workshop on The Physics of Semiconductor Devices (IWPSD 2017)", Dec. 11-15, 2017, Delhi, India.
121. A. Hazra, P. Bindra, Resistive and Capacitive Sensing Performance of TiO₂ Nanotube-Based Vapor Sensor, International Conference on Advanced Nanomaterials and Nanotechnology (ICANN-2017), Dec.-18-21, IIT Guwahati, India
122. P. Bindra and A. Hazra, Controlled variation of structural parameters of electrochemically grown TiO₂ nanotube array, International Conference on Nano and Functional Materials (NFM-2017), Nov.16-18, 2017, BITS Pilani-Pilani Campus, Rajasthan, India
123. P. Bindra and A. Hazra, Impedance behavior of TiO₂ nanotube porous layer in reducing vapor ambient, International Conference on Thin Films (ICTF-17), Nov. 13-17, 2017, NPL, New Delhi
124. Roshan Jayswal, Rahul Gupta, and Karunesh K. Gupta, "Patient Health Monitoring System Based on Internet of Things," 4th IEEE International Conference on Image Information Processing (ICIIP-2017), JAYPEE, Solan, 2017.
125. Ankit Agarwal, Devesh Samaiya, and Karunesh K. Gupta, "A Comparative Study of SIFT and SURF Algorithms under Different Object and Background Conditions," 16th IEEE International Conference on Information Technology (ICIT-2017), Bhubaneswar, 2017.
126. Arnav Verma, Devesh Samaiya, Karunesh K. Gupta, "Nonlinear Motion Tracking by Deep Learning Architecture," 3rd International Conference on Communication Systems (ICCS-2017), BKBIET, Pilani, 2017.
127. Aditya Harit; Col J. C. Joshi; Karunesh K. Gupta, "Facial Emotions Recognition using Gabor Transform and Facial Animation Parameters with Neural Networks," 3rd International Conference on Communication Systems (ICCS-2017), BKBIET, Pilani, 2017.
128. Jyotirmoy Bhardwaj; Punit Khatri, Karunesh K. Gupta, "Real Time Assessment of Potable Water Quality in Distribution Network based on Low Cost Multi-Sensor Array," 3rd International Conference on Communication Systems (ICCS-2017), BKBIET, Pilani, 2017.
129. Jyotirmoy Bhardwaj, Karunesh K. Gupta, and R. Gupta, " Fuzzy based Real Time Assessment of Water Quality in Distribution Network: A Python Framework Approach," IEEE International Conference on Soft Computing and its Engineering Applications (icSoftComp-2017), Anand, Gujrat, 2017.
130. Ashish Patel, H.D. Mathur, Surekha Bhanot, "A new and simple SRF based power angle control for UPQCDG to integrate solar PV into grid.", 7th Int. Conf. on Power System (ICPS-2017), COEP, Pune, Dec. 21-23, 2017.
131. Dhananjay Kumar, Nandan B R, H. D. Mathur and S. Bhanot, "Robust Controller Synthesis for Frequency Regulation in Islanded Microgrid", In the proceedings of IEEE 14th IEEE India Council International Conference (INDICON 2017), December 15-17, 2017, Roorkee, India.
132. Ashish Patel, H. D. Mathur and S. Bhanot, "A New and Simple SRF based Power Angle Control for UPQCDG to Integrate Solar PV into Grid", In the proceedings of 7th International Conference on Power Systems, December 21-23rd, 2017, Pune, India
133. Ashish Patel, H. D. Mathur and S. Bhanot, "A Simple Approach to Improvement in Performance of UPQCDG in presence of Unbalanced Load", In the proceedings of IEEE Asia Pacific Power and Energy Engineering Conference, 08-09 November' 2017, Bengaluru, India
134. Dhananjay Kumar, Nandan B R, H. D. Mathur and S. Bhanot, "Robust Hybrid Controller Design Based on H[∞] Synthesis for Frequency Regulation in Micro-Grid", In the proceedings of IEEE Asia Pacific Power and Energy Engineering Conference, 08-09 November' 2017, Bengaluru, India.
135. Rajesh Mehrotra, Pinky Dhatwal, Zaiba Hasan Khan, Sandhya Mehrotra.(2017). ACGT cis regulatory elements as mediator of plant stress response. EMBO Conference on "Micro and metabolic regulators in plants, Thiruvanthapuram, Kerala 01-04 February 2017.
136. Vandana Tomar, Panchsheela Nogia, Rajesh Mehrotra and Sandhya Mehrotra. (2017). An insight into the Regulatory Components of Carbon Concentrating Mechanisms in Aquatic Unicellular Photosynthetic Organisms. EMBO Conference on "Micro and metabolic regulators in plants, Thiruvanthapuram, Kerala 01-04 February 2017.
137. Tanmay Kulshrestha, Ankita Gupta and Shibasish Chowdhury. (2017).Classification of DNA Structure through Structure Network Analysis , 9th international conference on Bioinformatics and Computational Biology- BICOB 2017 on March 20-22, 2017 at Honolulu, Hawaii, USA.
138. Parva Sharma and Shibasish Chowdhury, (2017). "The role of Nitrogen assimilation pathway on high protein content of Arthrospira platensis: An In-silico analysis" In: Annual symposium of the Indian Biophysical Society, 23rd – 25th March 2017, IISER Mohali, India.
139. Ashis Das, Boopathi P.A., Subuddhi A, Pandey I, Kaur R. Kochar S.K. Kochar D.K.(2017). Systems Networks and HUB Genes to identify Pathogenesis Molecules and Possible Therapeutic Targets in Complicated P. falciparum and P. vivax malaria . International Conference on Challenges in Drug Discovery and Delivery. March 2-4 2017 BITS Pilani. Pilani Campus.

140. Rajdeep Chowdhury and Sudeshna Mukherjee.(2017). Cross talk between autophagy and intracellular MAPK signaling regulate optiosarcoma cell survival response under cisplatin stress The 8th International Symposium on Autophagy, Japan, May 29th to Jun 1st, 2017.
141. Kumar Udit Saumya, Shaswat Singh,,Neelam Mahala,Manohar Lal, Atish Paul, Uma S. Dubey.(2017).Comparative Bioinformatic Analysis of camel milk proteins with their Bioactive Peptides with potential antimicrobial and anticancer properties.National conference on Bioinformatics and Computational Biology organizes by supercomputing facility for bioinformatics and computational Biology. Breaking Barriers through bioinformatics and Computational Biology at IIT Delhi. 31July – 1 Aug 2017.
142. Anupam Yadav Philosophy and the Discourse of Interdisciplinarity Comparative Philosophy at the Crossroad held at American University in Dubai, Dubai International April, 2017
143. Anupam Yadav “De-disciplining Philosophy and New Epistemology”, at the International Conference on Revisiting Richard Rorty at the University of Minho, Braga, Portugal during September, 25-26, 2017.
144. Sailaja Nandigama “Community Development and Conservation: Status of the Implementation of Forest Rights Act in Two States of India” Development Studies Association Ireland Annual Conference (2016), on ‘Beyond Aid? Innovative Models For Social Justice’ held in Dublin, Ireland. International2016
145. Rajneesh Choubisa Do Transgressions and Gratitude acts as Predictors of Well-Being among Indian Engineering Undergraduates? Paper Presented during the Round Table Discussion at the Fifth World Congress of Positive Psychology (IPPA) held at Montreal, Canada during 13-16 July 2017
146. Slezácková, A & Choubisa, R. (2017). The role of perceived hope and dispositional hope in life satisfaction across cultures: Comparison of Czech and Indian samples. Paper Presented in the symposium at the Fifth World Congress of Positive Psychology (IPPA) held at Montreal, Canada during 13-16 July 2017.
147. Kumar Neeraj Sachdev Education, Learning and Change: A Philosophical Analysis 4th International ELLTA Conference on “Perspectives on Leadership, Learning and Social Enterprise in Asia: Sharpening Focus on Research Collaborations and Publications” held at AIT Conference Center, Asian Institute of Technology, Bangkok, Thailand during 25 - 27 July 2017 International 2017.
148. Hari Nair Invited lecture titled “El papel de las mujeres en la asamblea constituyente de la India” as a resource person for the Diplomado en Estudios Sobre Asia at Seminario Universitario de Estudios Asiáticos, Instituto de Investigaciones Filológicas, Universidad Nacional Autónoma de México 22 Aug 2017 (via video conference).
149. Nandigama, S., (2017) “Combining Qualitative and Quantitative Methods to Evaluate Community Forestry Interventions in South Asia: An Experiential Account”, paper presented in the 3rd Annual FLARE Meeting, Sep 29th- Oct 2nd, Stockholm University, Sweden.
150. Nandigama, S., (2017) participated in the annual seminar on "Land rights – a prerequisite for combating climate change and advancing peace and gender equality", October 3rd-5th, at Swedish International Development Coordination Agency (SIDA), Stockholm, Sweden.
151. Sangeeta Sharma. “ Women Empowerment through Advertising” in the third world conference on WOMEN’S STUDIES: Investing in New Generations: Women and Girls at Amityuniversity, Noida organized in collaboration with World Center for Women’s Studies (world-cws) and College of Arts & Sciences, University at Buffalo, Suny, U.S.A. during 12-13 October 2017.
152. Gajendra Singh Chauhan.“Technical Jargons in Promotion of Brand Messages: Is it a " Just Do It " Factor Without Consumer Sense?Presented at 24th International Conference on Psychology & Language Research, Nanyang Technological University, Singapore during 09-10 November, 2017.
153. Gajendra Singh Chauhan.“Teaching and Learning Media Literacy: An Unavoidable call for Secondary Education!”Presented at UICELL 2017 International Conference on ELT & CALL organized by English Education Graduate School, University of Muhammadiyah, Jakarta, Indonesia during 23-25 November, 2017.
154. Gajendra Singh Chauhan.“The Art of Rhetoric: Improving Writing Skills through Persuasive Advertisements”.Presented at UICELL 2017 International Conference on ELT & CALL organized by English Education Graduate School, University of Muhammadiyah, Jakarta, Indonesia during23-25 November, 2017.
155. Kumar Sankar Bhattacharya (co-author with Divyansh Goel): "Paid Social Ads, Retargeting and Conversion Tracking: A Revolution for Conversion Optimizationin B2C E-commerce". Oxford University, UK. 7th International Conference on Trade, Economics and Law. 16-18 October, 2017.
156. Kumar Sankar Bhattacharya:" Reading from Below: "Ravanayana" as an Alternative to "Ramayana" in Neelakantan's Asura: The Tale of the Vanquished".Wisconsin, USA. 46th Annual Conference on South Asia organized by University of Wisconsin in Madison. 26-28 October, 2017.
157. Sangeeta Sharma “Success stories of BITSian Women Entrepreneurs” Eighth International Conference on “Strengthening Strategies, Shaping Policies and Empowering Personnel: Key to Organizational Competitiveness” at Prestige Institute of Management, Gwalior International 2017.

158. Sangeeta Sharma Invited as a panelist in International Research Conference on "Sustainable development of human capital; exploring perspectives from grassroots to global research and practice" held from Nov.8 to 10, 2017 at Indian Institute of Management (IIM), Ahmedabad. The topic of discussion was Industry Academia interface.
159. Kumar Sankar Bhattacharya "Reclaiming the Unheard Voices of History: Indira Goswami's Thengphakhri Tehsildar". 16th MELOW International Conference on Facts, Distortions and Erasures: Literature as History, History in Literature, Chandigarh International March, 2017
160. Somdatta Bhattacharya "Invisible Women, Visible Cities: Female Domestic Labour in Kolkata " Seminar on "Gendered Urban Spaces: Narratives of Self-Possession", organised by the Department of English, The IIS University, Jaipur, in collaboration with ICSSR, New Delhi National February, 2017.
161. Sushila Shekhawat Identity Formation through Food as a Mataphor in Popular Culture :A Study of Indian Films International Conference on Literature as Cartography of Emotions: Ways of Being and Belonging Organized by the Department of English, St. Xavier's College, Jaipur. International January,2017
162. Neerja Vyas and Sushila Shekhawat Creation of identity on Screen and its Impact: Biopics of the Living. International Conference on Literature as Cartography of Emotions: Ways of Being and Belonging Organized by the Department of English, St. Xavier's College, Jaipur International January,2017
163. Sushila Shekhawat Revelation of real life Identities on Screen: An Exploratory Study of Biopics and Documentaries in Indian Cinema National Conference on History Reconstructed through Literature: Nation, Identity and Culture organized by Department of English, Jai Narain Vyas University, Jodhpur National February,2017
164. Shekhawat,Sushila.Contemporary Hindi Films: A Tool for Women Empowerment presented in the third world conference on WOMEN'S STUDIES: Investing in New Generations: Women and Girls at Amity university, Noida in collaboration with World Center for Women's Studies (world-cws) and College of Arts & Sciences, University at Buffalo, Suny, U.S.A. during 12-13 October 2017.
165. Swaha Das,Hari Nair,Yogendra Swaraj Sharma "Gita and its warring interpretations" Featured Session "Doing history of ideas in South Asia: Reflections from the text and context" 18 Feb 2017 at the National Seminar "Reimagining South Asia: An exploration into the history of ideas" under the auspices of ICSSR and organized by the University of Delhi and South Asian University.National 2017
166. Sanjiv Kumar Choudhary Changing Protocols of Indian News Media: A Socio-Phonetic Perspective A Three Day International Conference on MEDIATIZATION, CULTURALIZATION AND LANGUAGE ALTERATION organized by Dept. of Linguistics, Aligarh Muslim University, Aligarh and ICSSR, Delhi International 5-7 January 2017
167. Sailaja Nandigama and Sanjiv Kumar Choudhary "Striking a balance between sustainable livelihoods and sustainable use of natural resources: A case of PMGSY's impact in rural Rajasthan". INTERNATIONAL CONFERENCE on 'Environmental Impact on Biodiversity, Sustainability and Quality of Life' February 16-18, 2017, Organized under the aegis of UPE "Study of Ecology and Economy" University of Rajasthan, Jaipur-302004 (INDIA) International 16-18 February 2017
168. Priyanka Kumari and V. S. Nirban "Identifying Dimensions and Competencies for Intercultural Communication: A literature Review" International Conference on Evidence Based Management, organized by Department of Management, BITS Pilani, Pilani Campus, 12-13 March 2017. International 2017
169. Chasul and V. S. Nirban "Technology Acceptance among students in Engineering Education" International Conference on Communication and Media Studies, organized by Amity Institute of Mass Communication, Amity University, 2-4 March 2017. International 2017
170. Priyanka Kumari and V S Nirban "Communication Competencies in Intercultural Workplace Context: Applying Delphi Method in Indian IT Industry" International Conference on Business Research & Policy, 2017, organized by Chandragupt Institute of Management Patna (CIMP), Patna, Bihar, India, 09-10 March, 2017.International2017
171. Priyanka Kumari and V S Nirban "An Empirical Study of the Recent Trends in Web 2.0 Based Teaching and Learning Context in Higher Education" International Conference on Media and Communication Studies, organized by the Amity School of Communication, Amity University, Jaipur, Rajasthan, India, 02-04 March, 2017International 2017
172. Sailaja Nandigama "Ecology of Teaching and Learning in Classrooms: Perspectives on Pedagogical Practices" National Convention on Current Practices and Future of Classroom Teaching at Higher Education Level, held at BITS Pilani, Pilani Campus, Rajasthan, India. National 2016.
173. Rajneesh Choubisa Research Designs with(in) Online Behavioral Sciences: Experiencing "WEXTOR" as a Tool Paper presented at 52nd National and 21st International Conference of Indian Academy of Applied Psychology on "Psychology for Building Global Community" theme organized by IAAP at University of Rajasthan, Jaipur during 23rd-25th February 2017.
174. Sonam Mansukhani, and Rajneesh Choubisa Entrepreneurial Ventures as Learning Organizations: A Face Value Analysis of Chosen Indian "Start-ups". Paper presented at the 2nd International Conference on Evidence Based Management (ICEBM) organised by Department of Management, BITS Pilani, held during 17-18 March, 2017.

175. Kumar Neeraj Sachdev and Bandana Sachdev An Application of David Hume's Idea of Sympathy for Global Peace International Conference on Latest Concepts in Science, Technology and Management (ICLCSTM-2017) at National Institute of Technical Teachers Training and Research (NITTTR), MHRD, Govt. Of India, Chandigarh, India on February 5, 2017
176. Swaha Das and Hari Nair presented a study titled "Martin Buber and Mohandas Gandhi on the question of the Jewish homeland in Palestine" at Gandhi Jayanti National Conference 2017 Revisiting Champaran: Challenges of Satyagraha in the 21st century 16-17 Oct 2017 at Zakir Husain Delhi College organized by Indialogue Foundation and Gandhi Smriti and Darshan Samiti.
177. Kumar Neeraj Sachdev, "A Value-Oriented Analysis of Changing Roles of Educators in Higher Educational Institutions," presented in a virtual session of 6th World Conference of Global Educational Research Association (GERA) on "Education: A Mirror of Society" held at University School of Education, Rayat-Bahra University, Mohali, Punjab, India during 24 - 25 November 2017
178. Somdatta Bhattacharya and Shrija Srinivasan. "Scene of Crime: Exploring Kingsmarkham in Ruth Rendell" at the Theorising Space: Three Day National Conference on the Intersections of Space and Culture, organised by the Department of Humanities, Indian Institute of Space Science & Technology, Valiamala, in collaboration with the Centre for Cultural Studies, University of Kerala and Littcrit, 14-16 December 2017.
179. Nandigama, S., and S.K.Choudhary (2017). Paper presented on "Striking a balance between sustainable livelihoods and sustainable use of natural resources: A case of PMGSY's impact in rural Rajasthan." in the International Conference organized under the aegis of UPE, "Study of Ecology and Economy" EIBSQL-2017, during 16-18, February 2017 at the University of Rajasthan, Jaipur.
180. Pushp Lata attended and presented a paper entitled Do Indian College Students Need Cross Cultural Training? at International Conference on Language, Literature and Culture (ICLLC), Pune, Maharashtra, India during 15th to 17th December 2017 organized by Institute of Advanced Studies in English, Pune.
181. Pushp Lata attended and presented a paper entitled Rethinking Muticulturalism and Maximizing Learning in Indian Classrooms at ELT@I IV International Conference in association with RELO and British Council at Kanoria PG Mahila Mahavidyalya, Jaipur during 30-31 October 2017
182. Pushp Lata attended and presented a co- authored paper entitled Using Mutimodal Tools for Teaching Mutiliteracies in Indian ELT Classrooms at ELT@I IV International Conference in association with RELO and British Council at Kanoria PG Mahila Mahavidyalya, Jaipur during 30-31 October 2017
183. Pushp Lata attended and presented a co- authored paper entitled Enhancing Written Communication Skills of College Students through Online Collaborative Tutorials in a Multicultural Classroom at ELT@I IV International Conference in association with RELO and British Council at Kanoria PG Mahila Mahavidyalya, Jaipur during 30-31 October 2017
184. Pushp Lata attended 2-day workshop on Achieving High Quality in Education at the Tertiary Level on 9th January 2017 organized by Teaching and Learning Centre, BITS Pilani, Pilani campus.
185. Ruparel, N., & Choubisa, R. (2017). Goal Orientation, Perceived Motivational Climate and Social Emotional Competence: Contextually Exploring the Explicable. Paper presented at the 27th Annual NAOP Conference organized at IIT Kharagpur during 22-25 December 2017.
186. Mansukhani, S., & Choubisa, R. (2017). Entrepreneurial Ventures as Learning Organizations: A Face Value Analysis of Chosen Indian "Start-ups". Paper presented at the 2nd International Conference on Evidence Based Management (ICEBM) organized by Department of Management, BITS Pilani, held during 17-18 March, 2017.
187. Choubisa, R. (2017). Research Designs with (in) Online Behavioral Sciences: Experiencing "WEXTOR" as a Tool. Paper presented at 52nd National and 21st International Conference of Indian Academy of Applied Psychology on "Psychology for Building Global Community" theme organized by IAAP at University of Rajasthan, Jaipur during 23rd-25th February 2017.
188. Shukla T. Transparency in Engineering Education: A Challenge. International Conference on Science, Technology & Management (ICSTM-2017). Bangalore, 24th September 2017
189. Shukla T. Psychological Determinants of Educational Attainment, 27th Annual Conference of NAOP, National Academy of Psychology, IIT Kharagpur, 22nd - 24th December 2017
190. Shukla T. Female Entrepreneurs in the Urban Startup Scenario, International Conference on Peaceful and Prosperous South Asia, Jaypee Institute of Information & Technology, 27th- 28th March, 2017
191. Shukla T. India's Fastest Growing FMCG Company: An Insight into Patanjali's Marketing Strategies, 2nd International Conference on Evidence-Based Management (ICEBM), Department of Management, BITS Pilani, 17-18 March 2017
192. Anupam Yadav Value Inculcation among Engineering Students at the 5th International Conference on Advancement in Engineering, Applied Science and Management held at Institution of Electronics and Telecommunication Engineers, Bengaluru, Karnataka on November, 26th, 2017
193. Kumar Sankar Bhattacharya "Reclaiming the Unheard Voices of History: Indira Goswami's Thengphakhri Tehsildar". 16th MELOW International Conference on Facts, Distortions and Erasures: Literature as History, History in Literature, Chandigarh, March 03-05, 2017.

194. Shekhar, C. presented a paper on "FM/FM/1 queues with fuzzy catastrophe" in National Conference in Statistics and Optimization Techniques (NCSOT) in conjunction with 2nd convention of Indian Association for Reliability and Statistics (CIARS-2017) organized by Department of Mathematics, M.D. University, Rohtak on February 11-13, 2017.
195. Pasari, S. presented a paper on "Reliability of an Earthquake System: A Case Study from Eastern Himalaya" International Conference on Disaster Risk Mitigation (ICDRM), held in Dhaka during September 23-24, 2017.
196. Shekhawat K. presented a paper on "Rectilinear Floor Plans" at International Conference: CAADFutures2017, held at Istanbul, Turkey, during 12-14 July, 2017.
197. Rakhee, presented a paper on " Performance Analysis of Discrete-Time Retrial G-Queue with Unreliable Server and Second Optional Service " at International Conference on Advancing Frontiers in Operational Research: Towards a Sustainable World (AFOR-2017) in Conjunction with the Dimond Jubilee as well as the 50th Annual Convention of Operational Research Society of India during Dec. 21-23, 2017 organized at Heritage Institute of Technology, Kolkata.
198. Rakhee, presented a paper on "Discrete-Time Queue with Two Type of Customer, Unreliable Server and Second Optional Service" at International Conference on Recent Trends in Operations Research and Statistics (RTOTS-2017) during Dec 28-30, 2017, organized by Department of Mathematics, IIT Roorkee.
199. Priyanka Kumari (joint work with Dr. P. H. Keskar), presented a paper on "Algebraic Criterion for Difference Sets" at International Conference on Algebra and Analysis held at Center for Advanced study, Department of Mathematics, Savitribai Phule Pune University during December 19-22, 2017.
200. Pasari, Sumanta, Attended a short term course "Statistical Methods in Data Analysis" at the Department of Mathematics, IIT Kharagpur from February 25 to March 1, 2017.
201. Rajiv Kumar participated in International workshop on operator semigroups at Delhi University during Dec 18 - Dec 21, 2017.
202. Piyush Raghav, Amit Dua, "Enhancing flow security in RYU controller through set operations," in 3rd IEEE International Conference on Computer and Communications (ICCC) 2017, December 13-16, Chengdu, China
203. Anish Jindal, Amit Dua, Neeraj Kumar, Athanasios V. Vasilakos, Joel J.P.C. Rodrigues, "An Efficient Fuzzy Rule-Based Big Data Analytics Scheme for Providing Healthcare-as-a-Service", in IEEE International Conference on Communications, ICC 2017, May 21-25, Paris, France
204. Bhutani, Aditya A.S, and Lavika Goel , "Hybridization of Moth Flame Optimization and Gravitational Search Algorithm and its application on detection of Food Quality", International Conference on Intelligent Systems (IntelliSys), IEEE Publications, London, United Kingdom, 2017.
205. Ashutosh Bhatia, Sudhanshu Singh, "Bandwidth Efficient Clock Skew Compensation in TDMA-Based Star Topology Wireless Networks", In proceedings of AINA 2017, Taipei, Taiwan
206. Gupta Neetika and Rohil Mukesh Kumar. "An Experimental Study of Markerless Image Registration Methods on Varying Quality of Images for Augmented Reality Applications." In Proceedings of Thematic Workshops'17 of ACM Multimedia 2017, Oct 23-27, 2017 Mountain View, CA, USA. DOI: 10.1145/3126686.3126759
207. Poonam Goyal, Jagat Sesh Challa, Shivin Srivastava, and Navneet Goyal, "AnyFI: An Anytime Frequent Itemset Mining Algorithm for Data Streams", In 2017 IEEE International Conference on Big Data (IEEE Big Data 2017), December 11-14, 2017 Boston, USA.
208. Chandramani Chaudhary, Poonam Goyal, and Yi-Ping Phoebe Chen, "Exploiting Visual and Textual Neighborhood Information to Improve Image-Tag Relevance", In 2017 IEEE International Conference on Big Data 2017 (IEEE Big Data 2017), Boston, USA.
209. Rupal Bhargava, Gargi Sharma and Yashvardhan Sharma, "Deep Paraphrase Detection in Indian Languages", In proceedings of Ninth International Conference on Advances in Social Networks Analysis and Mining (ASONAM 2017), IEEE/ACM, 31 July – 3 August, 2017, Sydney, Australia, pp. 1152-1159.
210. Yash Shina, Siddharth Bhatia, G S S Chalapathi, Virendra S Shekhawat, "MPLS based Hybridization in SDN", Fourth International Conference on Software Defined Systems (SDS-2017), Valencia, Spain, 8-11 May, 2017
211. Avinash Gautam, S P Arjun Ram, Virendra Singh Shekhawat, Sudeept Mohan, "Balanced Partitioning of Workspace for Efficient Multi-Robot Coordination", IEEE International Conference on Robotics and Biomimetics, 5–8 Dec, Macao, China, 2017
212. Yash Sinha, Shikhar Vashishth, K Haribabu, Meticulous Measurement of Control Packets in SDN, in Proceedings of the Symposium on SDN Research[ACM SOSR 2017], Santa Clara, CA, USA, 03-04 April, 2017 pp. 187-188 ACM 2017.
213. Kamlesh Tiwari, Vandana Dixit Kaushik and Phalguni Gupta. "An Efficient Fingerprint Matching using Continuous Minutiae Template Learning", Accepted In: International Conference on Computer Communication and Computational Sciences (IC4S), Springer (in press) 2017
214. Shivesh Ganju, Amit Dua, "A survey on power aware protocols for Wireless AdHoc network," In IEEE International Conference on Power, Control, Signals and Instrumentation Engineering (ICPCSI-2017), September 21,22, 2017, Chennai, India.

215. Mihir Saxena, Amit Dua, "Security Solutions against Attacks in Mobile Ad hoc networks and their verification using BAN logic," In International Conference on Energy, Communication, Data Analytics and Soft Computing (ICECDS). August 1, 2 2017, Poonamallee, India.
216. Amit Dua, "IRMDD: Intelligent Robust Multicast Data Dissemination in Vehicular Ad Hoc Networks," In 11th INDIACOM, March 1-3, 2017, New Delhi, India
217. Anuraj Singh, Chirag Chhablani, Lavika Goel, "Moth Flame Optimization for land cover feature extraction in remote sensing images", IEEE Publications, 8th International Conference on Computing, Communication and Networking Technologies (ICCCNT), IIT Delhi, pp.1-7, August 2017.
218. Lavika Goel, Mallikarjun Swamy, Raghav Mantri "Swarm and Artificial Immune System based Intelligence Techniques for Geo-Spatial Feature Extraction", International Conference on Computational Intelligence and Data Engineering (ICCIDE), Springer: Lecture Notes in on Data Engineering and Communications Technologies (LNDECT), Andhra Pradesh, vol. 9, pp. 65-84, 2017.
219. Amogh Sharma, Lavika Goel, "A Deep Learning Approach For Player Selection And Training Routine Design", International Conference on Sports Engineering, Elsevier Publications, 2017.
220. Yashvardhan Sharma, Lavika Goel, Shubhankar Srivastava, "Data Analytical Application for Cricket using Moneyball Techniques", International Conference on Sports Engineering, Elsevier Publications, 2017.
221. Lavika Goel, Charu Tak, Faizan Mushtaq, " Development Of A Hybrid Algorithm Using Swarm Algorithms And Implementing It On Images To Detect The Health Of An Apple", International Conference on Computational Intelligence: Theories, Applications and Future Directions, Springer Publications, Advances in Intelligent and Soft Computing, December 6th - 8th, 2017, IIT Kanpur, India.
222. Siddharth Bhatia, Yash Sinha, Lavika Goel, "Lung Cancer Detection: A Deep Learning Approach", 7th International Conference on Soft Computing for Problem Solving - SocProS 2017, Indian Institute of Technology Bhubaneswar, Bhubaneswar, Springer Publications, Advances in Intelligent and Soft Computing, December 23-24, 2017.
223. Gupta Neetika and Rohil Mukesh Kumar. "Exploring Possible Applications of Augmented Reality in Education. IEEE Fourth International Conference on Signal Processing and Integrated network (SPIN). Noida, Feb 2-3, 2017, DOI: 10.1109/SPIN.2017.8049989
224. Sonal Kumari, Poonam Goyal, Ankit Sood, Dhruv Kumar, Navneet Goyal, and Sundar Balasubramaniam, "Exact, Fast and Scalable Parallel DBSCAN for Commodity Platforms", In 18th International Conference on Distributing Computing and Networking (ICDCN 2017), January 4-7, 2017 Hyderabad, India.
225. Ines Khandelwal, Sundaresan Raman, Analysis of Transfer and Residual Learning for Detecting Plant Diseases Using Images of Leaves, International Conference on Computational Intelligence, IIT Kanpur, 2017
226. Rupal Bhargava, Yashvardhan Sharma, "MSATS: Multilingual Sentiment Analysis via Text Summarization", In proceedings of Seventh International Conference on Cloud Computing, Data Science & Engineering (CONFLUENCE-2017), IEEE, January 2017, pp.71-76.
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229. Sinha Y., Vashishth S., Haribabu K. (2018) Real Time Monitoring of Packet Loss in Software Defined Networks. In: Kumar N., Thakre A. (eds) Ubiquitous Communications and Network Computing. UBI-COMPUTING 2017. Lecture Notes of the Institute for Computer Sciences, Social Informatics and Telecommunications Engineering, vol 218. Springer, Cham
230. Susheela Kumari and Saumi Ray "The Effect of the Molecular Dimensions of the Guest Palladium Schiff base Complexes Encapsulated inside the Host Zeolite-Y" at NFM 2017, organized by department of Chemistry, Birla Institute of Technology and Science, Pilani, Rajasthan, 16–18 November 2017.
231. Chavi Mahala, Dr. Mrinmoyee Basu and Dr. Surojit Pande "Interconnected NiCo₂O₄/NiO Nanosheets for Oxygen Evolution Reaction" at NFM 2017, organized by department of Chemistry, Birla Institute of Technology and Science, Pilani, Rajasthan, 16–18 November 2017.
232. Rajinder Kaswan, S. C. Sivasubramanian, A. Dalvi "Synthesis and characterization of EMIM BF₄ confined Lithium Silicate glasses by different sol-gel route" at NCSSI-12 organised by Department of Physics, Birla Institute of Technology and Science, Pilani, Rajasthan, 21-23 December 2017.
233. Mamta devi Sharma, Dr. Mrinmoyee Basu and Dr. Surojit Pande "Decoration of Metal (Ag, Pd) and Bimetallic (Ag-Pd 1, Ag-Pd 2) nanoparticles on MoS₂ for Hydrogen Evolution Reaction" at NFM 2017, organized by department of Chemistry, Birla Institute of Technology and Science, Pilani, Rajasthan, 16–18 November 2017.

234. Roshan Nazir, and Suroit Pande, "RuO₂ Nanorod: An Efficient and Stable Electrocatalyst for Hydrogen and Oxygen Evolution Reaction" at NFM 2017, organised by department of Chemistry, Birla Institute of Technology and Science, Pilani, Rajasthan, 16–18 November 2017.
235. Aabid Hamid and Ram Kinkar Roy, "Profiles of the components of stabilization energy and their physical implications" at 20th CRSI National Symposium in Chemistry, organized by Guwahati University, Assam, February 3-5, 2017.
236. Saroj, Khima Pandey and Anil Kumar, "Synthesis of Novel Imidazolium Salt Supported N-Hydroxy Sulfonamide: A Soluble Support Synthesis of Hydroxamic Acids" at 23rd ISCB International Conference (ISCBC-2017) Interface of Chemical Biology in Drug Research Organized by Indian Society of Chemists and Biologists SRM University, Chennai, India, February 8-10, 2017.
237. Dinesh Kumar, Aishwarya Ramesh and Dr. Prashant Uday Manohar, "Keto-enol tautomerism ground and excited state energy profiles - A computational study" at Asia Pacific Conference in Theoretical and Computational Chemistry (APCTCC-8) organized by Indian Institute of Technology, Bombay Dec. 15 - 17, 2017.
238. Dinesh Kumar, A. K. Dutta and Dr. Prashant Uday Manohar, "Resolution of the Identity and Cholesky Representation of EOM-MP2 Approximation" at North West Meeting On Spectroscopy, Structure and Dynamics (SSD)" organized by Birla Institute of Technology & Science, Pilani Mar. 18 - 19, 2017.
239. Aabid Hamid and Ram Kinkar Roy, Understanding the charge transfer limit of a chemical adduct, North West Meeting on Spectroscopy, Structure and Dynamics (SSD) , Birla Institute of Technology and Science, Pilani Rajasthan, 18th -19th March, 2017.
240. P. O. Venkataramana Reddy, Shriprada Mishra, Kavita Shah and Dalip Kumar, Synthesis and Identification of β -Carbolinium Salts as Novel Cytotoxic Agents, 23rd ISCB International Conference (ISCBC-2017) Interface of Chemical Biology in Drug Research, SRM University, Chennai, India, 8-10 February, 2017.
241. P. O. Venkataramana Reddy, Shriprada Mishra, Kavita Shah and Dalip Kumar, Synthesis and Identification of β -Carbolinium Salts as Novel Cytotoxic Agents, International Conference on Challenges in Drug Discovery and Delivery" Department of Pharmacy, BITS Pilani, Pilani Campus, Rajasthan, India, March 2-4, 2017.
242. P. O. Venkataramana Reddy, K. P. Chandra Shekar, Kazuhito Tanabe and Dalip Kumar, Design and Synthesis of Water Soluble Cationic Porphyrin- β -Carboline Conjugates as Potent Photocytotoxic Agents, International Conference on Frontiers at the Chemistry – Allied Sciences Interface Organized by Centre of Advanced Study, Department of Chemistry, University of Rajasthan, Jaipur (INDIA), 22-23 July 2017.
243. Bijoya Das, Shamik Chakraborty, Competitive proton transfer between five- and six- membered hydrogen bonding network National Symposium on Radiation and Photochemistry (NSRP-2017), Department of atomic and Molecular Physics, MIT, Manipal University, Manipal March 2-4, 2017.
244. Bijoya Das, Shamik Chakraborty, Competitive proton transfer between five- and six- membered hydrogen bonding network North West Meeting on Spectroscopy, Structure and Dynamics (SSD-2017), Department of Chemistry, BITS Pilani, Pilani Campus March 18-19, 2017.
245. Sunita Kumari, G. Sundar and Subit K. Saha, Interaction of cationic gemini surfactants with nanotubes of β -cyclodextrin: Effect of spacer chain length of gemini surfactants New Frontiers in Chemistry from Fundamentals to Applications II (NFCFA2017), Department of Chemistry, BITS Pilani, KK Birla Goa Campus, January 28-29, 2017.
246. Sunita Kumari, G. Sundar and Subit K. Saha, Study on interaction of cationic gemini surfactants with guest induced nanotubes of β -cyclodextrin and the role of spacer chain length of gemini surfactants to release the guest National Conference on Advanced Physical Methods in Chemical Sciences (NCAPMCS-2017), Department of Chemistry, Guru Jambheshwar University of Science and Technology, Hisar, Haryana, February 22-23, 2017.
247. Sunita Kumari, Sonu, G. Sundar and Subit K. Saha, Effect of organic and a Hofmeister series of inorganic counterions on the solvation dynamics and rotational relaxation in aqueous micelles of hexadecyltrimethylammonium surfactants North West Meeting on Spectroscopy, Structure and Dynamics (SSD-2017), Department of Chemistry, BITS Pilani, Pilani Campus, March 18-19, 2017.
248. Sunita Kumari, Rishika Aggrawal, Sonu, Sayantan Halder, G. Sundar and Subit K. Saha Effect of Hydrophobicity of Tails and Hydrophilicity of Spacer Group of Cationic Gemini Surfactants on Solvation Dynamics and Rotational Relaxation of Coumarin 480 in Aqueous Micelles, International conference on Frontiers at the Chemistry- allied Sciences Interface (FCASI-2017), University of Rajasthan, Jaipur, July 22-23, 2017.
249. Santosh B Khandagale and Dalip Kumar "Efficient Synthesis, Characterization and Photophysical Properties of meso-Heteroaryl-Substituted Porphyrins" at NFM 2017, organized by department of Chemistry, Birla Institute of Technology and Science, Pilani, Rajasthan, 16–18 November 2017.
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252. Manish Kumar Mehra, Indresh Kumar and Dalip Kumar, Metal-free Regioselective Diaryliodonium Salts-Promoted C-N and C-O Bonds Formation in Water: Facile Synthesis of N-Arylquinolones and O-Aryloxyquinolines, National Conference on "New Vistas in Chemical Research" IIS University, Jaipur, India, January 18-19, 2017.
253. Manish Kumar Mehra, Mukund P. Tantak, Indresh Kumar, Dalip Kumar, Metal-free Regioselective C-N and CO Bonds Formation with the Utilization of Diaryliodonium Salts in Water, 23rd International ISCB conference on Interface of Chemical Biology in Drug Research, SRM University, Chennai, India, February 8-10, 2017.
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257. Vaishali Saini, Pankaj Nehra, Bharti Khungar, “Design of Schiff-base Functionalized Imidazolium Ionic Liquid Fluorescent Sensor for Al³⁺ ion” at 23rd ISCB International Conference (ISCBC-2017) Interface of Chemical Biology in Drug Research, organized by SRM University, Chennai, February 8-10, 2017.
258. Vaishali Saini, Pankaj Nehra, Bharti Khungar, Recyclable Ion Tagged Nickel Catalyst for Microwave Assisted Synthesis of Aryl sulfides Using Water as a Solvent Media at International Conference on Nano and Functional Materials (NFM-2017), Birla Institute of Technology and Science-Pilani, Rajasthan 333031, India, November 16-18, 2017.
259. Susheela Kumari, Archana Choudhary and Saumi Ray, The Effect of the Molecular Dimensions of the Guest Complexes Encapsulated inside the Host Zeolite –Y, International Conference on Recent Trends in Chemical Sciences, Govt. Engineering College, Bikaner January 12-13, 2017.
260. Nitesh Kumar Nandwana, Anil Kumar, Design and synthesis of fused conjugated heterocyclic compounds using C-C and C-N bond formation, 18th Tetrahedron Symposium, Budapest Hungary, June 26-30 2017.
261. Kiran Bajaj Solution Phase Peptide and peptide conjugates synthesis, 6th Indian peptide Symposium. HSCB, Mumbai. India, February 23-24, 2017.
262. Ajay K. Sah, Synthesis of N-glyconjugates and their applications in biological sciences, 23rd ISCB International Conference (ISCBC-2017) at SRM University, Tamil Nadu, February 08-10, 2017.
263. Aabid Hamid and Ram Kinkar Roy, Variation of stabilization energy with the solvent polarity: A density functional reactivity theory (DFRT) based approach, International Conference on Nano and Functional Materials (NFM-2017), Birla Institute of Technology and Science-Pilani, Rajasthan 333031, India, November 16-18, 2017.
264. Fayaz Baig, Kumari Suman and Madhushree Sarkar, “Structural transformations of Coordination Polymers on the counter anion exchange and metal metathesis” at 23rd International ISCB conference on Interface of Chemical Biology in Drug Research organized by SRM University, Chennai, India, February 8-10, 2017.
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267. Rishika Aggrawal, and Subit Kumar Saha, “Study on the effect of spacer chain length of gemini surfactants on the solvation dynamics in the reverse micelle of C₁₂-S-C₁₂.2Br⁻ ” at International Conference on Nano and Functional Materials (NFM-2017), Birla Institute of Technology and Science-Pilani, Rajasthan 333031, India, November 16-18, 2017.
268. Shiv Dhiman, Mukund Jha, Dalip Kumar, and Anil Kumar “Gold-Mediated Synthesis of Thiopyrrolo[2,3-b]indoles from Indoline-2-thione involving Tandem Rearrangement and Hydroarylation” CFOS-2017 IIT-Roorkee, Roorkee, uttrakand in Dec-2017.

269. Sachin Choudhary, and Indresh Kumar, "Organocatalytic one-pot approach towards the synthesis of tri substituted pyrrole ring systems through [3+2] annulation/ I₂ mediated oxidation" at 23rd ISCB International Conference (ISCB-2017) Interface of Chemical Biology in Drug Research Organized by Indian Society of Chemists and Biologists SRM University, Chennai, India, February 8-10, 2017.
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271. Sayantan Halder, Sunita Kumari, Rishika Aggrawal, Sugam Kumar, Vinod Kumar Aswal and Subit K. Saha, Interactions of Gemini Surfactants Having Different Spacer Groups with Protein: A FRET and SANS study, 18th National Conference on Surfactants, Emulsions & Biocolloids (NATCOSEB 2017), School of Chemistry Sambalpur University Jyoti Vihar, Sambalpur, Odisha – 768 019, November 10-12, 2017.
272. Sayantan Halder, Sunita Kumari, Rishika Aggrawal, Sugam Kumar, Vinod Kumar Aswal and Subit K. Saha, A FRET, DLS and SANS study of Binding behavior of Gemini surfactants with Protein, International Conference on Nano and Functional Materials (NFM-2017), BITS Pilani, Pilani Campus, Rajasthan November 16-18, 2017.
273. Sonam Sharma and Bibhas R. Sarkar. Nano-Pd/g-C₃N₄ Composite as Efficient Catalyst for Aqueous Phase Suzuki-Miyaura Cross-coupling Reactions. National Conference in New Frontiers in Chemistry - From Fundamentals to Applications, January 28-29, 2017, K. K. Birla Goa Campus, BITS Pilani, India
274. Sonam Sharma and Bibhas R. Sarkar. Microwave assisted efficient Suzuki-Miyaura Cross-coupling Reactions in Water Catalyzed by Nano-Pd/gC₃N₄ Composite. International Conference in Nano- and Functional Materials (NFM-2017), BITS Pilani, Pilani Campus, Rajasthan, November 16-18, 2017.
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276. Sachin Choudhary and Indresh Kumar. Organocatalytic enantioselective synthesis of fused 1,2-dihydropyridines via formal [4+2] cycloaddition between aqueous glutaraldehyde and dibenzo[b,f][1,4]oxazepine imines. International Conference in Nano- and Functional Materials (NFM-2017), BITS Pilani, Pilani Campus, Rajasthan, November 16-18, 2017.
277. Anoop Singh, Indresh Kumar. Organocatalytic asymmetric synthesis of Indolyl-piperidines and related alkaloids. International Conference in Nano- and Functional Materials (NFM-2017), BITS Pilani, Pilani Campus, Rajasthan, November 16-18, 2017.
278. Pragati Fageria and Surojit Pande, Oral presentation on National Symposium on Global Environmental Challenges: Present Scenario (GECPS-2017) at Department of Botany, University of Rajasthan, Jaipur on 21st January, 2017.
279. Pragati Fageria and Surojit Pande, Poster presentation on 2nd National Conference on new Frontiers in Chemistry- from fundamentals to applications-II (NFCFA-2017), at Department of Chemistry BITS Pilani, K K Birla Goa Campus, Goa during 28-29 January, 2017.
280. Pragati Fageria and Surojit Pande Oral presentation on International Conference on Frontiers at the Chemistry - Allied Sciences Interface (FCASI-2017) at University of Rajasthan, Jaipur, organized by Center for Advanced Studies, Department of Chemistry, University of Rajasthan, Jaipur, during 22-23 July, 2017.
281. Pragati Fageria and Surojit Pande Oral presentation on National Conference on Nano-and Functional Materials (NFM-2017) at BITS Pilani, organized by Department of Chemistry, Birla Institute of Technology and Sciences, BITS Pilani, Rajasthan during 16-18 November, 2017.
282. Pragati Fageria, attended a One-day workshop on Soft Materials and Society at MNIT Jaipur organized by Soft Materials Research Society (SMRS) Jaipur and Dept. of Physics, Malaviya National Institute of Technology, MNIT Jaipur, on 15 Dec. 2017.
283. Roshan Nazir and Surojit Pande, Poster presentation on 2nd National Conference on new Frontiers in Chemistry- from fundamentals to applications-II (NFCFA-2017), at Department of Chemistry BITS Pilani, K K Birla Goa Campus, Goa during 28-29 January, 2017.
284. Roshan Nazir and Surojit Pande, Poster presentation on National Conference on Nano-and Functional Materials (NFM-2017) at BITS Pilani, organized by Department of Chemistry, Birla Institute of Technology and Sciences, BITS Pilani, Rajasthan during 16-18 November, 2017.
285. Analysis of Surface Finish Improvement during Ultrasonic Assisted Magnetic Abrasive Finishing on Chemically treated Tungsten Substrate, N Sihag, Prateek Kala and P M Pandey NAMRC-45, USC Los Angeles, USA 4-8 June 2017
286. MCDM Analysis for maintenance strategy selection, G. Gupta, R. P. Mishra, H. Shah, IEEE International Conference on Quality, Productivity, Reliability, Optimization and Modelling Faridabad, India Jan. 05-07, 2017.

287. Analysis of TPM Barriers using ISMMICMAC Approach, Anita Sharma, Rajesh P. Mishra, Ayon Chakraborty, Gajanand Gupta Joint international conference on interdisciplinary research & 8th international conference on quality, reliability, infocom technology and business operations (JIRICQRIT - 2017), Noida, India Feb 8-10th 2017
288. Effect of secondary branching on Piezo based powering mechanism to actuate artificial nanoswimmer. Shivani Nain, Jitendra Singh Rathore, NitiNipun Sharma 8th ISSS International Conference on Smart Materials, Structures & Systems Indian Institute of Science (IISc), Bengaluru, INDIA July 5-7, 2017
289. Experimental study on helical propulsion system of artificial nanoswimmer: Low Reynolds Number, Paul Varghese, Shivani Nain, Jitendra Singh Rathore and N.N. Sharma 17th IEEE International
290. Government Supported Generic Drug Supply Chain in India: A Study on Critical Success Factors Kush Gupta, Anuj Dixit, Srikanta Routroy and Sunil Dubey International Conference on Evidence Based Management 2017 (ICEBM2017), Department of Management BITS Pilani, Pilani Campus 2017
291. Co-Combustion of Municipal Sewage Sludge with castor seed shell in bubbling fluidized bed combustor under oxygen-enriched condition: Experimental Investigation Ravi Inder Singh and Rajesh Kumar, 15th International conference on environmental engineering, CSCE Annual Conference and Annual General Meeting (CSCE-2017), Vancouver, Canada, May 31 to June 03, 2017
292. Combustion Characteristics Of Municipal Sewage Sludge With Cotton Stalk In A Bubbling Fluidized Bed Under Air And Oxygen-Enriched Conditions, Rajesh Kumar and Ravi Inder Singh Proceedings Of The International Conference On Sustainable Energy And Environmental Challenges (Seec-2017), Mohali, India, 26 – 28 February, 2017
293. Investigation & Design Challenges of Advance Sensor/Material Selection for IoT based Protective Gears for Training/Impact scoring in Taekwondo Nitin Chaturvedi, Ajay Shekhawat, Bhavesh Verma, Sachin Belgamwar, Navneet Gupta, International Conference on Sports Engineering, ICSE-2017 Jaipur, 2017
294. Application of Fuzzy TOPSIS for evaluating machining techniques using sustainability metrics, Digalwar, A. K. Proceedings of International Conference on Recent Advances in Materials & Manufacturing Technologies (IMMT 2017), BITS Pilani Dubai campus, Dubai, UAE during 28-29 November, 2017.
295. Solving Identical Parallel Machine Scheduling problem using modified multi-objective particle swarm optimization, Bathrinath, S and Digalwar, A.K. Proceedings of 11th ISDSI International Conference, IIM Trichy during 27-30 Dec. 2017.
296. Application of a Hybrid Decision Making Approach for the Evaluation of Sustainable Supply Chain Practices, Digalwar, A. K. and Kannan Govindan Proceedings of 11th ISDSI International Conference, IIM Trichy during 27-30 Dec. 2017.
297. Theory of Constraints + Lean + Six Sigma: A Unified Framework to improve TLS Orientation Goyal, Animesh, Digalwar, A. K. and Gupta Mahesh Proceedings of 11th ISDSI International Conference IIM Trichy during 27-30 Dec. 2017.
298. A comparison of FMEA analysis using tradition RPN and TOPSIS method Gupta G., Mishra R. P., Agrawal P. Joint Indo-German Conference on Sustainable Engineering September 15-16, 2017 BITS Pilani
299. Analysis of TPM Barriers using ISMMICMAC Approach Anita Sharma, Rajesh P. Mishra, Ayon Chakraborty, Gajanand Gupta Joint international conference on interdisciplinary research & 8th international conference on quality, reliability, information technology and business operations (JIRICQRIT - 2017) Feb 8-10th 2017, Amity centre for interdisciplinary research, Amity university, Noida, India
300. Toyota principles and their applicability to the mining organization: some enablers and barriers, RP Mishra, 37th annual day national seminar on Advanced technology & innovation mining Industry Indian Institute of Metals, Khetri Nagar Rajasthan India
301. Crack propagation in functionally graded materials using phase field approach, Kiran Raj, Murali Palla Indian Conference on Applied Mechanics (INCAM) 2017 MNNIT Allahabad, 5-7 July 2017 Allahabad, 2017
302. Phase Field Modelling of Crack Propagation in Bioinspired Composites Kiran Raj, Murali Palla International Conference on Composite Materials and Structures-ICCMS 2017, Hyderabad 27-29th December 2017, Hyderabad 2017
303. Internalising the external cost of power generation from coal based power plants in India P.Srinivasan, Anand Shekar, Second International conference on Energy, Environment and Economics, ICEEE2018 11-13 December 2017, Heirot -Watt University, Edinburgh, UK 2017.
304. Creep life prediction of super heater coils used in coal based thermal power plants subjected to fly ash erosion and oxide scale formation, P.Srinivasan, Shashank Kushwaha, International Conference on Recent Advances in Materials & Manufacturing Technologies (IMMT 2017) ,29-29 November 2017 BITS-Dubai.

305. Simulation and Experimental Investigation of Melting Process in Spherical PCM Capsules Used for Low-Temperature Thermal Energy, Vivek Tiwari,, Kedar Patel P.Srinivasan, Second International Conference on Sustainable Energy and Environmental Challenges, SEEC2018, 31 December 2017 to 03 January 2018. IISc, Bangalore.
306. Investigations on Different Types of Fin Profiles by Simulation to Improve the Performance of PCM Materials Based Thermal Energy Storage System Kedar Patel, Vivek Tiwari and P.Srinivasan Second International Conference on Sustainable Energy and Environmental Challenges, SEEC2018, 31 December 2017 to 03 January 2018 IISc, Bangalore.
307. An investigation on thermal aspect in peripheral milling of thin-walled geometries, ManikandanHareendran, Ashutosh Madhavarao Bable, Tufan Chandra Bera, Proceedings on International Conference on Recent Trends in Engineering, Science & Technology Hyderabad, Telangana, India, 2016
308. Design of Vertical Integrated Aloe vera Supply Chain for Enhancing Farmers' Profit , Rahul Priyadarshi and Srikanta Routroy International Conference on Research and Business Sustainability IIT Roorkee, INDIA, December 16-17, 2017
309. A Analysis of Agility Performance of Supply Chain: A Case Study on Indian Automotive, Srikanta Routroy, Satyendra K Sharma and Bhardwaj, International Conference on Recent Advances in Materials and Manufacturing Technologies (IMMT 2017), BITS Pilani, Dubai Campus, 28th-29th, November, 2017,
310. Strategy for Enhancing Farmers Profit in Aloe Vera Supply Chain: A Case Study on Rural Rajasthan, Rahul Priyadarshi and Srikanta Routroy Joint Indo-German Conference on Sustainable Engineering, BITS Pilani, Pilani Campus, Rajasthan,15th-17th September, 2017
311. Government Supported Healthcare Supply Chain: Rajasthan's Journey towards Sustainability, Anuj Dixit, Srikanta Routroy and Sunil Dubey Joint Indo-German Conference on Sustainable Engineering. BITS Pilani, Pilani Campus, Rajasthan,15th-17th September, 2017
312. Study the Performance of Green Suppliers using Fuzzy Data Envelopment Analysis Shivi Agarwal, Trilok Mathur, Srikanta Routroy and Akshat Khandelwal Joint Indo-German Conference on Sustainable Engineering BITS Pilani, Pilani Campus, Rajasthan,15th-17th September, 2017
313. Measuring the impact of socially responsible supply chains on Firm performance Shombit Dhar, Satyendra Kr. Sharma, Srikanta Routroy and Saurabh Chadha Joint Indo-German Conference on Sustainable Engineering BITS Pilani, Pilani Campus, Rajasthan,15th-17th September, 2017
314. Thermo-Economic Analysis of a Solar-Coal Hybrid Power Plant Sunil, Manoj S Soni, Proceedings of the 24thNational and 2ndInternational ISHMT-ASTFE Heat and Mass Transfer Conference (IHMTTC-2017) BITS Pilani, Hyderabad, India 2017
315. Performance Improvement of Single Expander Transcritical CO2 Refrigeration Cycle Using an Earth Water Heat Exchanger, Sagnik Mukherjee, ManojSoni Proceedings of the 24thNational and 2ndInternational ISHMT-ASTFE Heat and Mass Transfer Conference (IHMTTC-2017) BITS Pilani, Hyderabad, India 2017
316. Study of Effects of Knurling on Heat Transfer of Rectangular Fins through Forced Convection, Manoj S Soni, Naga VeerendraGrandhi, ICAER 2017, 6th International Conference on Advances in Energy Research 2017 IIT Bombay, Mumbai, India, 2017
317. Integration of Solar Thermal Energy in Existing Subcritical Coal-Fired Power Plant for Fuel Saving, Sunil, Manoj S Soni, ICAER 2017, 6th International Conference on Advances in Energy Research 2017 IIT Bombay, Mumbai, India, 2017
318. Recent Advances of Hybrid Solar-Thermal Power Generation Systems for Sustainable Future, Sunil, Manoj S. Soni, Samyak Samar Joint Indo-German Conference on Sustainable Engineering" (theme - Skilling India for Digital and Sustainable Future) 2017 BITS Pilani, Pilani Campus, 2017
319. Techno-environment analysis of a solar thermal repowered coal based power plant, Samyak Samar, Manoj S. Soni, Sunil, Joint Indo-German Conference on Sustainable Engineering" (theme - Skilling India for Digital and Sustainable Future) 2017 BITS Pilani, Pilani Campus. 2017
320. Applicability of Concentrated Solar Thermal based Distillation unit for Semi arid region, Nikhil Gakkhar, Manoj S. Soni, Sanjeev Jakhar, Joint Indo-German Conference on Sustainable Engineering" (theme - Skilling India for Digital and Sustainable Future) 2017, BITS Pilani, Pilani Campus, 2017
321. Long term effect of partially replacing cement by waste marble slurry in concrete, Singh M., Pankaj Lamba., Srivastava A., and Bhunia D., First Congress on Technical Advancement (ASCE), Duluth, Minnesota, September 10-13th, 2017.
322. Spatial temporal analysis of major seaport freight flows in India, Sahu, P., Padhi, A., Patil, G., Mahesh, G., and Sarkar, A., 96th Annual Meeting, Transportation Research Board (TRB) Washington D.C., USA, 08th -12th January, 2017
323. A Comparative Study on Time Series Extrapolation of Spatial Data, Gaurav Kumar & Rajiv Gupta National Remote Sensing Centre (NRSC) - User Interaction Meet Hyderabad, January 24-25, 2017
324. A fuzzy based multi-criteria approach for assessing the sustainability of river Ganga, Srinivas, R., and Singh, A.P., International Conference 'Incessant Ganga', Water and land management Institute, Water Resource Department, Govt. of Bihar, Patna, Bihar, 25-26 February 2017

325. Aluminium industrial rejects: A potential resource for development of geopolymeric building materials, A Mohammed Najar, M J Chaddha, P G Bhukte, V. V. Sakhare, N Azad, S Vadsariya, K R Rao, K Janbhandu, M T Nimje, S P Puttewar, A Agnihotri and S Jain, 96th Annual Meeting, Transportation Research Board (TRB) Washington D.C., USA, 08th – 12th January, 2017
326. Assessment of Inter-laminar Shear Strength in Hybrid Fiber Reinforced Composites, S. B. Singh, Sudhir Vummadisetti, and Himanshu Chawla, 20th International Conference on Composite Structures (ICCS20), Paris, 4-7 September 2017
327. Buckling and Postbuckling Studies of Laminated Composite Stiffened Plates, S.N. Patel, American Society for Composites (ASC) 32nd Annual Technical Conference Purdue, USA, 23-25, October 2017
328. Copper Bio-leaching technique for tailing waste at Hindustan Copper Limited, Khetri (Rajasthan), Sandeep Kumar, SK Verma, and Anupam Singhal, Advanced technology and innovations in mining industry Khetri, Jan 22, 2017
329. Critical Evaluation of Indian Standard for The Design of Laterally Loaded piles, Rawat, S., Prasad, V. and Mittal, R.K., 7th Conference on Deep Foundation Technologies for Infrastructure Development in India, Deep Foundation Institute. Chennai, October 5-7, 2017
330. Critical Evaluation of Site classification in the latest revision of Indian Seismic Code Mittal, R.K., Rawat, S. and Tangirala, A. (2017). Indian Geotechnical Conference – 2017, IIT Guwahati, India Guwahati, December 14-16, 2017.
331. Dynamic Buckling of Angle Ply Laminated Composite Plates Subjected to In-Plane Compression Loads V. Keshav and S.N.Patel 3rd Indian Conference on Applied Mechanics (INCAM-2017), Department of Applied Mechanics, Motilal Nehru National Institute of Technology(MNNIT). Allahabad, 5-7 July 2017,
332. Improving Load Carrying Capacity of Copper Tailings by Waste Tire Chip Reinforcement Gill, G. and Mittal, R.K. Indian Geotechnical Conference – 2017, IIT Guwahati, India December 14-16, 2017.
333. Evaluating Efficiency of Geo5 In the Analysis of Pile Foundation Rawat, S., Varghese, E., Mittal, R.K. and Kaushik, P 7th Conference on Deep Foundation Technologies for Infrastructure Development in India Chennai, October 5-7, 2017.
334. Evaluation of tack coat materials and application rates for asphalt interlayer bond strength Vinayak Malaghan and Amit Goel, 4th Conference of Transportation Research Group of India (CTRG) Mumbai, 17-20 December 2017
335. Evaluation of use of Bottom Ash in cement masonry and concrete regarding their mechanical properties, Rajiv Gupta, European Advanced Materials Congress, International Association of Advanced Materials, 22-24 August 2017
336. Flexural Response of CFRP Strengthened Masonry Walls S. B. Singh and Pankaj Munjal, 20th International Conference on Composite Structures (ICCS20), Paris, 4-7 September 2017
337. Flood-risk mapping using GIS, Rajiv Gupta, Harshvardhan Jha, Kamila Varma, Bikram Mann, International Perspective on Water Resources and the Environment Conference, IPWE 2017, Wuhan, China, January 4-6, 2017
338. Free Vibration Study of Plates Made up of Carbon Nanotubes Reinforced Composite Material, S.N. Patel, 3rd Indian Conference on Applied Mechanics (INCAM-2017), 5-7 July 2017
339. Goel, Development of relationship between DCP and LWD estimates for unbound layers of flexible pavements, V. Vyas, A. Goel, National Conference on Sustainable Engineering Practices In Materials, Water & Energy Technologies(SEPMWET-2017) Bahal, 18-19 March 2017
340. Identification of Suitable Ready Mix Concrete Suppliers using Geographic Information System, Nivedha, P., Athira, G., Bahurudeen A., and Sahu P, 71st RILEM Week & ICACMS, 2017, Chennai, September 3 - 8, 2017
341. Impact-based integrated simulation model to enhance water quality of Ganges. Srinivas, R., and Singh, A.P., 3rd International Conference on the Status and Future of the World's Large Rivers, New Delhi, India, New Delhi, 18-21 April 2017
342. Nonlinear dynamic response of laminated composite stiffened plates, S.N. Patel, International Conference on Composite Materials and Structures, IIT Hyderabad, Hyderabad, 27-29 December 2017
343. Purifying Porous Concrete for Drinking Water, Rajiv Gupta, Ayub Ahmed and Gaurav Tyagi, 5th Asia Conference on Mechanical and Materials Engineering (ACMME 2017) at University of Tokyo, Tokyo, Japan, June 9-11, 2017
344. Quantification of Ideal Spatial Accessibility Using Three Step Floating Catchment Area Method, Harish, P., Kanuganti, S., Sarkar, A.K., Singh A.P. 96th Annual meeting of Transportation Research Board, 08-12 January 2017, Washington, D.C, 08-12 January 2017
345. Spatial temporal analysis of major seaport freight flows in India Sahu, P., Padhi, A., Patil, G., Mahesh, G., and Sarkar, 71st RILEM Annual, Week & ICACMS 2017, Chennai, September 3 - 8, 2017
346. Study on feasibility of adding phase change material in wearing course using cold mix technology, Piyush Sharma and Amit Goel, 71st RILEM Annual Week & ICACMS 2017 Chennai, September 3 - 8, 2017

347. Time Series Prediction for Water Resource Management in Semi-Arid Zone, Gaurav Kumar & Rajiv Gupta 2nd International Conference on Sustainable Computing Techniques in Engineering, Science and Management, Jain Engineering College, Belgaum, Karnataka, India Belgaum, January 27-28, 2017
348. Resilience Based earthquake design of buildings: current practice, problems and opportunities in Indian scenario Harish Kumar Mulchandani and G Muthukumar ASCE India Conference on urbanization challenges in emerging economies New Delhi, 13th-14th December, 2017
349. Use of Hazard Consistent Ground Motions to Achieve Earthquake Resilient Design of Buildings Harish Kumar Mulchandani and G Muthukumar ASCE India Conference on urbanization challenges in emerging economies New Delhi, 13th-14th December, 2017
350. Model Tests on Strip Footings Resting on Tire-Chip Reinforced Sand Under Inclined Loading, Gill, G. and Mittal, R.K. ASCE India Conference on urbanization challenges in emerging economies IIT-New Delhi, 13th-14th December, 2017
351. Amit Jain attended the International Conference on Waste Water Management (ICWW-2017), August 17-19, 2017, Coimbatore, India.
352. Priya, Shruti Gupta. Srinivas Appari, Detailed kinetic modeling of NH₃ decomposition on Platinum, APCAT 7 (2017), January 17- 21, 2017, ICT Mumbai.
353. Shruti Gupta, Prasad Sunil Sahu, Srinivas Appari, Syngas production by reforming of biogas over Ni-based catalytic monoliths, CHEMCON- 2017, Haldia Institute of Technology, Haldia, West Bengal, India, December 27-30, 2017.
354. Amit Jain attended the International conference on Advanced Production and Industrial Engineering, New Delhi, India on October 6, 2017.
355. Smita Raghuvanshi attended & presented paper entitled "Waste water treatment plant life cycle assessment: treatment process to reuse of water", in 24th CIRP Conference on Life Cycle Engineering (CIRP LCE) 2017 held at Kamakura Japan, from March 8-10, 2017.
356. Roshan Chandra, Raman Sharma and Arvind Kumar Sharma, Attrition of Bed Particles in a Re-Circulating Fluidized Bed Reactor, IEA Clean Coal Centre's 8th International Conference on Clean Coal Technologies (CCT 2017), May 8 -12, 2017, Cagliari, Italy.
357. Abhishek Mishra, Roshan Chandra, Raman Sharma and Arvind Kumar Sharma, Cold Model Study of Re-Circulating Fluidized Bed Reactor for Chemical Looping Combustion, 6th National Conference on Chemical and Environmental Sciences: Emerging Dimensions & Challenges Ahead (NCCES -2017), April 1, 2017, Panipat, India.
358. Pradipta Chattopadhyay attended & presented paper entitled "Remediation of Diesel Contaminated Soil by Tween-20 Foam stabilized by Silica Nanoparticles", Proceedings of 4th International Conference on Chemical and Food Engineering (ICCFE 2017), Osaka, Japan, March 28-30, 2017.
359. Pradipta Chattopadhyay attended workshop- 4th Advance course in Surface Sciences being organized at New Delhi from Oct 30th- Nov 2nd, 2017. Pratik N Sheth attended International Conference on Sports Engineering, Oct 23-25, 2017 at Jaipur organised by BITS Pilani.
360. Parth Joshi, Tapas Kumar Patra and Pratik N Sheth, "Design Modifications to Improve Tar cracking and Catalytic Tar reforming in Biomass Gasification Systems: A review", Proceedings of International Symposium & 70 th Annual Session of IChE in association with International Partners (CHEMCON-2017), Department of Chemical Engineering, Haldia Institute of Technology, Haldia, West Bengal, India, December 27-30, 2017.
361. Sharma, B. Patil, H.K. Mohanta, B. Roy, Ethanol Steam Reforming Over BICUVOX Catalyst for Hydrogen Production, Proceedings of the 70th Annual Session of Indian Institute of Chemical Engineers (CHEMCON-2017), Dec 27-30, 2017, Haldia Institute of Technology, Haldia, West Bengal.
362. Pratik N Sheth and Srinivas Appari attended the India Energy Forum by CERAWEEK, IHS Markit, Taj Diplomatic Enclave, Oct 8-10, 2017.
363. Dhage Sumit, Gupta Suresh, Jain Amit, Bioremediation of Waste Engine Oil by Bacteria Isolated from Engine-oil Contaminated Soil, Proceedings of 6th National Conference On Chemical & Environmental Sciences (NCCES -2017), Under aegis of The Indian Science Congress Association (Kurukshetra Chapter) April 01, 2017, Panipat, India.
364. Dhage Sumit, Gupta Suresh, Jain Amit, "Experimental and growth kinetics studies of bacterium isolated from waste automobile engine oil contaminated soil" Proceedings of International Conference on Waste Water Management (ICWW-2017), August 17-19, 2017, Coimbatore, India.
365. R. Arun Karthick, Pradipta Chattopadhyay, Remediation of Diesel Contaminated Soil by Tween-20 Foam stabilized by Silica Nanoparticles, Proceedings of 4th International Conference on Chemical and Food Engineering (ICCFE 2017), Osaka, Japan, March 28-30, 2017.
366. Jain, V., Kishore, P., Kumar, R. A., & Pani, A. K. (2017, January). Inferential Sensing of Output Quality in Petroleum Refinery Using Principal Component Regression and Support Vector Regression. In Advance Computing Conference (IACC), 2017 IEEE 7th International (pp. 461-465). IEEE, 5-7 January 2017.
367. Tapas K Patra and P N Sheth, "Parametric study of downdraft biomass gasification using a comprehensive transport and kinetic model", Proceedings of AIChE Annual Meeting 2017, Oct 29- Nov 3, Minneapolis, USA.

368. Stability of DNA molecule in crowded environment, Navin Singh 6th INTERNATIONAL CONFERENCE ON FUNCTIONAL ELECTROCERAMICS AND POLYMERS, IIT Kharagapur, 20-22 February, 2017
369. IRAS 10427-6032 - An Embedded Star Cluster in the outskirts of the Carina Nebula Kaushar Vaidya, Souradeep Bhattacharya, Vatsal Panwar, Manash Samal, Wen-Ping Chen. 35th Astronomical Society of India Meeting Birla Auditorium, Jaipur, 6-10 March, 2017
370. Star formation toward IRAS 10427-6032 Kaushar Vaidya, Souradeep Bhattacharya, Vatsal Panwar, Manash Samal, Wen-Ping Chen, Devendra Ojha Francesco's Legacy: Star Formation in Space and Time Istituto Degli Innocenti Firenze, Italy, 5-9 June, 2017
371. ZnO Nano-structures for Gas Sensor Application: From Nano-Walls to Nano-Rods Growth Morphology S. Choudhary, A. Hazra, A Agarwal, and S. Gangopadhyay, Internal workshop on Advanced Materials (IWAM 2017), NIST, Orissa, India Dec 19-21, (2017).
372. Zinc Oxide Nano-structures: From Nano-Wall to Nano-Rod Growth Morphology S. Choudhary, and S. Gangopadhyay, ETMN 2017, Solapur University, Maharashtra, Oct 6-7, 2017
373. Thin Cu Film Resistivity using Four Probe Techniques: Effect of Film Thickness and Geometrical Shapes S. Choudhary, and S. Gangopadhyay, ICC 2017 Bikaner, Nov 24-25 (2017)
374. Ionization of atoms by twisted electron: A new terrain to be explored, R. Choubisa 21st National Conference on Atomic and Molecular Physics (NCAMP) P.R.L., Ahmadabad during 3-6 January, 2017
375. Transport properties and sub-band modulation of the SWCNT Based Nano-Scale Transistors, Surender Pratap and Niladri Sarkar, International Workshop on Physics of Semiconductor Devices (IWPSD-2017) 11th-15th December 2017 held at IIT Delhi
376. Effect of empty sphere on the multiple scattering calculations in a cluster, Aditi Mandal, Pawas S.Shukla, Rakesh Choubisa and Didier Sébilleau, 21st National Conference on Atomic and Molecular Physics (NCAMP), P.R.L., Ahmadabad during 3-6 January, 2017
377. Unified description of p_T dependent Upsilon(1S) Suppression in hot QCD matter, C. R. Singh, S. Ganesh and M. Mishra, 17th International Conference on Strangeness in Quark Matter 2017 (SQM 2017), University of Utrecht, Netherlands during 10th -15th July, 2017
378. Investigation of the Effect of Scattering Centers on Low Dimensional Nanowire Channel Cariappa K S, Raja Shukla and Niladri Sarkar 2nd International Conference on Condensed Matter & Applied Physics 24-25 Nov 2017 Bikaner India
379. On the effects of Orbital Angular Momentum (OAM) and impact parameters on $(e, 2e)$ process on atoms by twisted electron Aditi Mandal and R. Choubisa, XXX International Conference in Photonic, Electronic and Atomic Collision (ICPEAC) Cairns Convention Center, Cairns during 26 July-1st August, 2017
380. Designing And Fabrication Of Electrochromic Pixels Displays Using Di-Isopropylbenzyl Derivative Of Poly (3,4-Propylenedioxythiophene) S NAIR, Sindhu; N C, Shivaprakahs; L, Raja 9th International Conference on Materials for Advanced Technologies 18th to 23rd June 2017, Suntec, Singapore
381. Comprehensive study of bottomonium suppression under unified model of quarkonia suppression C. R. Singh, S. Ganesh and M. Mishra DAE - BRNS Symposium on Nuclear Physics 2017 Thapar University, Patiala during 20th - 24th Dec. 2017
382. Krishna M. at Contemporary Themes in India's Economic Development & the Economic Survey, Ministry of Finance, Government of India 11-17 June 2017
383. Krishna M., Kerala's Development Experience, University of Calicut, 10-11 January 2017
384. Monika Gupta, EcoMod Modeling School course on Energy and Environmental CGE Modeling with GAMS, EcoMod Modeling School in cooperation with the Singapore Institute of Statistics c/o Dept of Statistics and Applied Probability, National University of Singapore (NUS), 15th Jan to 19th Jan 2018
385. Monika Gupta System Dynamics Summer School, System Dynamic Society at Massachusetts Institute of Technology (MIT), 11th to 14th July, 2017
386. Geetilaxmi Mohapatra, AK Giri, Examining the Interlinkages of Energy Poverty, Income Poverty and Human Development for Indian States, Department of Economics, University of Malaya, Kuala Lumpur, Malaysia, August 21-22, 2017
387. Geetilaxmi Mohapatra, Examining the Relationship between Electricity Consumption, Economic Growth, Energy Prices and Technology Development in India (Geetilaxmi Mohapatra) Organized by Nanyang Technical University but held at Hotel Mandarin Orchard August 5-7, Singapore
388. Parimal Merchant, Arya Kumar and Debasis Mallik, Factors Influencing Family Business Continuity in Indian Small and Medium Enterprises (SME) BITS Pilani 17th -18th March 2017
389. Arya Kumar, Knowledge Management Framework for Decision Support System in Higher Education Institutes in India, IIM Trichy, 27th-30th dec , 2017

Goa Campus

1. Ankush Ashok Saddhe, Kundan Kumar (2017) Evaluation of Multilocus Marker Efficacy for Delineating Mangrove Species of West Coast India. 7th International Barcode of Life, Nov 20-24, 2017 South Africa.
2. Rakesh Manua and Kundan Kumar (2017) Identification and expression analysis of OsWLNK9 gene in Arabidopsis thaliana and rice. InterDrought-V, Hyderabad from 21-25 February 2017.
3. Dr. Dibakar Chakrabarty presented a paper entitled ANTICOAGULANT AND WOUND HEALING PROPERTIES OF SEA-STAR (*Astropecten indicus*) COELOMIC FLUID co-authored by Mansi Baveja and Angshuman Sarkar at 19th World Congress of the International Society on Toxinology held at Haikou, Hainan, P.R. China in 24th to 31 October, 2017
4. Presented a poster at the International conference "Microbiology in the new Millennium : from Molecules to Communities" (MNM 2017) , held from 27th to 29th of October, 2017 at the new Unified Campus of Bose Institute, Kolkata. Title of Poster: The ORF7 of Phi11 and its bacteriostatic effect on E. coli cells
5. Conference attended for oral presentation from Dr. Indrani Talukdar's lab by her PhD student, Ms. Jiss Maria Louis in RNA meet, 2017, conducted from 26th-28th Oct, at Benaras Hindu University.
6. INVITED AND INAUGURAL TALK AT 9TH YOUNG INVESTIGATORS MEETING 2017, on 6th MARCH, 2017, GOA Structural changes in the binding site of a diguanylate cyclase induced by site directed mutagenesis. Sumit Biswas, Om Prakash Chouhan NSC 45, 2017, BHU Leaf Extracts from *Moringa oleifera*: A multidimensional prodigy? Sumit Biswas. 2nd International Conference on Nutraceuticals and Chronic Diseases 2017
7. Functional changes in a diguanylate cyclase from *Vibrio cholerae* induced by site-directed mutagenesis. Sumit Biswas¹, Om Prakash Chouhan¹ and Divya Bandekar¹. 23rd meeting of the International Network of Protein Engineering Centers (INPEC) held at Bose Institute, Kolkata.
8. Raviprasad Aduri's lab presented a poster "RNA secondary structure analysis of the 5' UTR of the Flavivirus genomic RNA" at Computational Chemistry and Computational Biology, an Indo-German workshop, conducted at IIIT Hyderabad, Hyderabad during November 29-30, 2017.
9. Raviprasad Aduri's lab presented a poster "Elucidating intrinsic disease specific markers for Dengue fever and severe Dengue" at a one day symposium on "New Perspectives in Biosciences" at Goa University, Goa on 7th December 2017.
10. Invited talk "A Online based Certificate Course between EAWAG and BITS Pilani"
11. Oral Presentation "Empowered septic tank as decentralized treatment system" and poster presentation "Pilot study of testing the use and production of Terra Preta and Phosphate Rich Organic Manure (PROM) for improving agricultural productivity" at The IWA S2Small2017 Conference on Small Water & Wastewater Systems and Resources Oriented Sanitation, Nantes, France, October 22 -26, 2017.
12. Vijayashree Nayak & Priyanka Dwivedi: Bioactive molecules incorporated gelatine spheres as a mode of sustained drug release for therapeutic application, university of California, USA, 2017
13. Priyanka Dwivedi, Ashok Kumar and Vijayashree Nayak: A study on nutritional supplement retinoic acid micro encapsulation induced sustained drug release for the treatment of arthritis International conference on challenges in drug discovery and delivery (ICCD3), March 2017
14. Invited lecture delivered for the International Conference on Reproductive Biology and Comparative Endocrinology & The 35th Annual Meeting of The Society for Reproductive Biology and Comparative Endocrinology 9th-11th February, 2017, Department of Animal Biology, University of Hyderabad, Hyderabad, on 'Liraglutide, a glucagon like peptide 1 analog, modulates adipokines expression during adipogenesis and ameliorates obesity as well polycystic ovary syndrome in mice.'
15. INVITED AND INAUGURAL TALK AT 9TH YOUNG INVESTIGATORS MEETING 2017, on 6th MARCH, 2017, GOA Leaf Extracts from *Moringa oleifera*: A multidimensional prodigy? Sumit Biswas. 2nd International Conference on Nutraceuticals and Chronic Diseases 2017
16. Sunil Bhand, "Molecularly imprinted polymer decorated nanoparticles for selective determination of Tetracycline in milk" authored by Sunil Bhand and Atul Sharma at 12th Workshop on Biosensors and Bioanalytical Microtechniques in Environmental and Clinical Analysis, International Biosensor Conference organized by National Research Council Rome at Rome, ITALY 25-29 Sept. 2017. Prof Bhand also Chaired a session during the conference.
17. Aruna Chandra Singh and Sunil Bhand "Flow injection electrochemical quartz crystal nano-balance based immunosensing platform for detection of 17 β -estradiol in water" oral presentation at 12th Workshop on Biosensors and Bioanalytical Microtechniques in Environmental and Clinical Analysis, International Biosensor Conference organized by National Research Council Rome at Rome, ITALY 25-29 Sept. 2017.
18. Arun Kumar Prusty and Sunil Bhand, "Preparation and characterization of poly ortho Phenylenediamine nanofilm on Indium Tin (ITO) coated glass", has been presented at 4th International Conference on

- Nanoscience and Nanotechnology (ICONN 2017) jointly organized by SRM University, Chennai, India and Schizuka University, Japan during 09-11 August 2017. (Poster No. 748).
19. Aruna Chandra Singh and Sunil Bhand, "Quartz Crystal Nano-balance based Immunosensor for Detection of 17 β -Estradiol in Water" has been presented at 4th International Conference on Nanoscience and Nanotechnology (ICONN 2017) jointly organized by SRM University, Chennai, India and Schizuka University, Japan during 09-11 August 2017. (Poster No. 750).
 20. Atul Sharma and Sunil Bhand, "Molecularly Imprinted Polymeric Nanoparticles for Selective Determination of Antibiotic Residue in Milk Sample", Poster presentation in ICONN 2017 (4th INTERNATIONAL CONFERENCE ON NANOSCIENCE AND NANOTECHNOLOGY, 9-11th August, 2017, SRM University, Chennai, INDIA) (Poster No. 749).
 21. Amrita Chatterjee, "Aggregation-Induced Emission active probes for heavy metal ions, anions and neutral molecules" 2nd National Conference on New Frontiers in Chemistry from Fundamental to Applications-II (NFCFA 2017), 28-29 January, 2017, BITS Goa.
 22. Amrita Chatterjee, "Aggregation-Induced Emission active probes for heavy metal ions, anions and gases", 9th International Conference on Materials for Advanced Technologies" (ICMAT2017), 18th- 23rd, June 2017, Santec, Singapore.
 23. Ram Uttam Gawas, Mainak Banerjee and Amrita Chatterjee "Mesoporous Silica based "turn-on" Type Fluorescent Chemodosimeter for the Detection of Perborate ion in water", 2^{1st} CRSI National Symposium in chemistry CRSI NSC-21, July 14-16, 2017, IICT, Hyderabad.
 24. Vikash Kumar, Amrita Chatterjee, and Mainak Banerjee "Water Soluble Cationic Tetraphenylethene: an Aggregation Induced Emission (AIE) active auto-fluorescent probe for the selective detection of E. coli, , 9th International Conference on Materials for Advanced Technologies" (ICMAT2017), 18th- 23rd, June 2017, Santec, Singapore.
 25. Zigme T. Bhutia, Amrita Chatterjee and Mainak Banerjee "A facile hand-grinding route for the synthesis of 8-Aryl-7-oxa-4-thia-1-aza-bicyclo[3.2.1]octane 4,4-dioxides via nitron formation followed by dipolar cycloaddition", 21st CRSI National Symposium in chemistry CRSI NSC-21, July 14-16, 2017, IICT, Hyderabad.
 26. Zigme T. Bhutia, Amrita Chatterjee and Mainak Banerjee, "C-H bond activation in aqueous micellar media: Alkylation of 3-position of indole using L-Proline" in NFCFA2017, Chemistry BITS Pilani K K Birla Goa Campus on 28-29 February 2017.
 27. Mondal, T. "Jahn-Teller effect and subfemtosecond photodynamics at threefold electronic degeneracies" at DST-INSPIRE Faculty Monitoring-cum-Interaction Meet (Chemical & Material Sciences) 16-17 January, 2017, at KIIT University, Bhubaneswar, Odisha, India.
 28. Mondal, T. "Role of Jahn-Teller effect in structural chemistry: The distinct structures of two similar systems" at 2nd National conference on New Frontiers in Chemistry – From Fundamentals to Applications-II (NFCFA2017) 28-29 January, 2017 at Department of Chemistry, BITS Pilani, K K Birla Goa Campus, India.
 29. Ranjan Dey and Piyashi Biswas, "Novel approaches for viscometric prediction of binary and higher order liquid mixtures" at 6TH ROSTOCKER INTERNATIONAL CONFERENCE: "THERMOPHYSICAL PROPERTIES FOR TECHNICAL THERMODYNAMIC(THERMAM 2017,) 17TH-18TH JULY, 2017, at Department of Technical Thermodynamics, University of Rostock, Rostock, Germany.
 30. Panda, R. N. "Tuning of Magnetic Properties of nanostructured materials developed by novel synthetic strategies", 'International Conference on Magnetic Materials and Applications, (ICMAGMA-2017) Feb. 1-3, 2017 at Defence Metallurgical Research Laboratory, Hyderabad, INDIA
 31. Banerjee, S. "Synthesis and spectral studies of push-pull dibenzodioxins and phenazines – efforts towards heteroacenes with long wavelength properties" at "International Conference on Nano- and Functional Materials: Interface between Science and Engineering (NFM-2017)" hosted by Department of Chemistry, BITS Pilani, Rajasthan, 16-18th Nov 2017.
 32. Jayadevan, K. P. "Computational Study of trends in Solvation Energy and Donor-Acceptor interactions of Benzoxaborole-based Neutral Molecules" at National Symposium on Convergence of Chemistry & Materials (CCM-2017) 21-22 December 2017, at Department of Chemistry, BITS-Pilani, Hyderabad campus.
 33. Ghosh, NN. Moitra, D. Chandel, M. Ghosh, BK. Jani, RJ. Patra, MK and Vadera SR. "Development of Novel Synthetic Methodologies for Preparation of Graphene based Multifunctional Nanocomposites"(Oral Presentation) at 2nd National Conference on New Frontiers in Chemistry From Fundamental to Applications (NFCFA 2017) 28-29 January, 2017 at Department of Chemistry, BITS Pilani, KK Birla Goa Campus.
 34. Ghosh, BK. Hazra, S. and Ghosh, NN. 'Synthesis of Cu@CF@SBA15: A Versatile catalysts for (i) reduction of dyes, trifluralin, Synthesis of (ii) DHPMs by Biginelli reaction and (iii) 1,2,3-triazole derivatives

- by 'Click reaction'. at 2nd National Conference on New Frontiers in Chemistry From Fundamental to Applications (NFCFA 2017) 28-29 January, 2017 at Department of Chemistry, BITS Pilani, KK Birla Goa Campus.
35. Moitra, D. and Ghosh, NN. 'Synthesis of BiFeO₃ nanowire-Reduced Graphene Oxide based Magnetically Separable nanocatalyst and its Versatile Catalytic Activity towards Multiple Organic Reactions.' at 2nd National Conference on New Frontiers in Chemistry From Fundamental to Applications (NFCFA 2017) 28-29 January, 2017 at Department of Chemistry, BITS Pilani, KK Birla Goa Campus.
 36. Chandel, M. and Ghosh, NN. 'CoFe₂O₄-reduced graphene oxide nanocomposites: a highly efficient magnetically separable recyclable photocatalyst for dye degradation. at 2nd National Conference on New Frontiers in Chemistry From Fundamental to Applications (NFCFA 2017) 28-29 January, 2017 at Department of Chemistry, BITS Pilani, KK Birla Goa Campus
 37. Anjan Chattopadhyay, "A computational investigation of the photochemical oxaziridine conversion process of some experimentally analyzed small-chain conjugated nitrones" at the 4th International Conference on Physical and Theoretical Chemistry during September 18-19, 2017 at Dublin, Ireland.
 38. Anjan Chattopadhyay, "Isomerization channels of donor-acceptor hexatrienes through conical intersections" at the NFCFA 2017, BITS-Pilani, K.K.Birla Goa Campus during January 28-29, 2017
 39. Vikash Kumar, Viraj Naik, Amrita Chatterjee, and Mainak Banerjee "Water Soluble Tetraphenylethenes: an Aggregation Induced Emission (AIE) active auto-fluorescent probe for detection and imaging" at International Conference on NANO- AND FUNCTIONAL MATERIALS: Interface between Science & Engineering (NFM-2017) 16 – 18 November 2017, Pilani, Rajasthan.
 40. Sunil Bhand, "Nanomaterials integrated biosensing platform: Application in ultrasensitive chemical and biological analysis". Session -Biocompatible systems for medical applications, theranostics and devices for drug delivery at 6th International Symposium on Integrated Functionalities ISIF 2017 organized under aegis of Material Research Society of India (MRSI), Dec 10-13, 2017 N. Delhi India. <http://isif2017.com/home.aspx>
 41. Ranjan Dey, "New simple and effective methods for viscosity prediction of binary and higher order liquid mixtures", at Theoretical Chemistry Group, Heidelberg University, Heidelberg, Germany, 13th July, 2017.
 42. Ranjan Dey, "Novel pathways for viscometric prediction of binary and multicomponent liquid mixtures", at Department of Chemistry, University of Allahabad, Allahabad, 13th April, 2017.
 43. Halan Prakash, "Activation of Peroxo compounds using metal complexes for oxidative degradation of organic compounds and inactivation of bacteria in water", at NIREAS, NIREAS Speaker Series, when ideas flow. Cyprus, 30 June, 2017.
 44. NN Ghosh, "New Synthesis Strategies for Multi-functional Nanomaterials: Microwave Absorber, Catalysts, Fluoride Adsorbent", Sensor at University Of Tennessee, Knoxville, USA 12th July 2017.
 45. A.P.Koley, "Study of DNA Binding and Cytotoxicity of Some Copper(II) and Mixed Ligand Cu(II)/Zn(II) Complexes containing Heterocyclic Bases using Spectroscopic Techniques" in Session 2-5: Molecular Spectroscopy and Dynamics & Advanced Vibrational Spectroscopy and Applications at AnalytiX-2017 (5th Annual Conference of AnalytiX-2017) during 22nd-24th March 2017 at Hotel Hilton Fukuoka Sea Hawk, Fukuoka, Japan.
 46. Surendran Ganesan, S. S. Baral, Selection of suitable adsorbent for the removal of Cr(VI) by using objective based multiple attribute decision making (MADM) method, 12th Conference on Sustainable Development of Energy, Water and Environment Systems (SDEWES-2017) Conference, 4th - 8th October, 2017, Dubrovnik, Croatia.
 47. Saroj Sundar Baral*, Akash Gandhi, Ankit K Othari, Gourav Gupta, Parag Jain, Potential of Biofuel production from microalgae through Municipal wastewater treatment, 12th Conference on Sustainable Development of Energy, Water and Environment Systems (SDEWES-2017) Conference 4th - 8th October, 2017, Dubrovnik, Croatia.
 48. Ridhish Kumar, Sudeep Nandukkandy & Anirban Roy "Developing a Prototype: "Portable" Solution for "Potable" Water", Universal Academic Cluster, Bangkok, Thailand, Jan 16 2018
 49. Tanmay Singhal and Manjare S. D., "Dynamic Modelling Studies on Reactive Absorption of SO₂ from Flue Gas in Coal Based Thermal Power Plant", published in the proceedings of International Conference on Sustainable Development of Energy, Water and Environment System, held at Dubrovnik, Croatia, October 4-7, 2017.
 50. Amit Shanbag and Manjare S.D., "Life Cycle Assessment of Tyre Manufacturing Process", published in the proceedings of International Conference on Sustainable Development of Energy, Water and Environment System, held at Dubrovnik, Croatia, October 4-7, 2017.
 51. Khantil Buch, S. D. Manjare, "Environmental Impact Assessment Methodologies: A Review and a New Approach for Assessment", presented and published in the proceedings of 11th ISDSI (Indian

- Subcontinent Decision Sciences institute) International Conference e held at IIM Trichy , during December 27-30, 2017.
52. Ketaki Deshmukh, Sutapa Roy Ramanan and Meenal Kowshik, "Hydroxyapatite nanoparticles as fluorescence probes for bio-imaging and gene delivery applications", Advances in Functional Materials, UCLA, Aug 14-17, 2017, USA.
 53. Krupa Balakrishnan and Sutapa Roy Ramanan, "Graphene based solutions for corrosion protection on low alloy steel", Advances in Functional Materials, UCLA, Aug 14-17, 2017, USA.
 54. Pranjita G. Zantye, M. Monsoor Shaik, Fiona Fernandes, Meenal Kowshik and Sutapa Roy Ramanan, "Biocompatible Hydroxyapatite nanoparticles for bioimaging applications", 33rd National Convention of Chemical Engineers on "Nanotechnology and its applications for sustainable development in chemical industries" 09-10th September 2017, Pune.
 55. Kavita Kadu, Vinay Kaushik, Meenal Kowshik and Sutapa Roy Ramanan, "Doping induced quenching of self-activated fluorescent hydroxyapatite nanoparticles", 33rd National Convention of Chemical Engineers on "Nanotechnology and its applications for sustainable development in chemical industries"; 2017, Sept 09-10; Pune.
 56. Mohd. Mubashshir and Asima Shaikat, "Strain-induced yielding in a colloidal suspension under influences of external stress and temperature", Comflu 2017, IIT Madras, Dec 16 – 18, 2017, Chennai, India
 57. S. Grover, A. Deshpande, T. Ravindran and J. Nambi Krishnan*, "Design and Development of a Microfluidic Platform for Water Analysis", 2017 TechConnect World Innovation Conference and Expo (NanoTech-2017), Gaylord National Resort and Convention Center, National Harbor, Washington D. C., U. S. A.
 58. K. Dhingra, S. Gupta, M. Sarupriya, S. Kumar and J. Nambi Krishnan, "Study on the Role of Additives in Non-cyanide Baths for the Fabrication of Anisotropic Metallic Nanostructures", 232nd ElectroChemical Society Meeting, 2017 Gaylord National Resort and Convention Center, National Harbor, Washington D. C., U. S. A.
 59. Anirban Roy, "How can we tune the biological response of a membrane surface: an investigative study" Biological Engineering Society Conference (BESCON) 2017
 60. Manjuri K. Koley : Invited Speech entitled: Study of DNA Binding and Catechol Oxidase Activity of Some Copper (II) Complexes Containing N-S Donor Ligand Using Spectroscopic Techniques in Session 2-5: Molecular Spectroscopy and Dynamics & Advanced Vibrational Spectroscopy and Applications at 5th International Conference of AnalytiX-2017 (AnalytiX-2017) held on March 22-24, 2017 in Fukuoka, Japan.
 61. Prerna Khurana, Puneet Agarwal, Gautam Shroff, Lovekesh Vig, Ashwin Srinivasan: Hybrid BiLSTM-Siamese network for FAQ Assistance. CIKM 2017: 537-545
 62. Lovekesh Vig, Ashwin Srinivasan, Michael Bain and Ankit Verma. An investigation into the role of domain-knowledge on the use of embeddings. 27th International Conference on Inductive Logic Programming. To appear in Lecture Notes in Computer Science (LNCS), Springer.
 63. Deepika Vatsa, Sumeet Agarwal, Ashwin Srinivasan. Learning transition models of biological regulatory and signaling networks from noisy data. CODS 2016: 9:1-9:6
 64. Ashwin Srinivasan, Gautam Shroff, Lovekesh Vig, Sarmimala Saikia: Generation of Near-Optimal Solutions Using ILP-Guided Sampling. 26th International Conference on Inductive Logic Programming, 120-131
 65. Sarmimala Saikia, Lovekesh Vig, Ashwin Srinivasan, Gautam Shroff, Puneet Agarwal, Richa Rawat: Neuro-Symbolic EDA-Based Optimization Using ILP-Enhanced DBNs. CoCo@NIPS2016
 66. Ashutosh Saboo, Anant Sharma, Tirtharaj Dash: GASOM: Genetic Algorithm Assisted Architecture Learning in Self Organizing Maps. ICONIP (1) 2017: 230-239 [CORE A]
 67. Preetham N. Reddy, Sahith N. Dambekodi, Tirtharaj Dash, "Towards Continuous Monitoring of Environment under Uncertainty: A Fuzzy Granular Decision Tree Approach", In proc: Development aspects of Intelligent Adaptive Systems (DIAS); Innovations in Software Engineering Conference (ISEC-2017), Jaipur, India (Feb 5-7, 2017).
 68. Gawas Mahadev .A.; Lucy J. Gudino.; Anupama, K.R., "Cross Layer Approach for Effective Multi Hop Broadcast in VANET" 9th International Conference on COMMunication Systems & NETWORKS COMSNET 17, (IEEE) Bangalore, India.
 69. Gawas, Mahadev .A.; Palash H, Lucy J. Gudino." Cross Layer Design for Efficient Dissemination of Emergency Messages in VANETs" 2017 Ninth International Conference on Ubiquitous and Future Networks (ICUFN). Milan Italy.
 70. Gawas Mahadev A, Modi k., Palash H., Lucy J. Gudino, " QoS Based Multipath Routing in MANET: A Cross Layer Approach" International Conference on Communication and Signal Processing – ICCSP 17, (IEEE), India.

71. Soumyadip Bandyopadhyay, Santonu Sarkar, D. Sarkar, C R Mondal, "SamaTulyata: An Efficient Path Based Equivalence Checking Tool"- 15th International Symposium on Automated Technology for Verification and Analysis, ATVA, Pune 2017
72. Soumyadip Bandyopadhyay, Kunal Banerjee, Santonu Sarkar, "An End to End Formal Verifier for Parallel Programs", 12th International Conference on Software Technologies, Spain 2017
73. Santonu Sarkar, Rumana Lakdawala, Subhajit Datta, "Predicting the Impact of Software Engineering Topics: An Empirical Study", BIGSCHOLAR@ 26th Intl. World Wide Web Conference, Australia 2017
74. A. V. George, S. Manoj, S. R. Gupte, Santonu Sarkar, "An Empirical Evaluation of Design Abstraction and Performance of Thrust Framework", PSTI@The 46th IEEE International Conference on Parallel Processing, UK 2017
75. S. Venkateshwaran, Santonu Sarkar, "Uptime Optimized Cloud Architecture as a Brokered Service"- 47th Annual IEEE/IFIP International Conference on Dependable Systems and Networks, DSN 2017, USA
76. A. V. George, S. Manoj, S. R. Gupte, S. Mitra, Santonu Sarkar, "Thrust++: Extending Thrust Framework for Better Abstraction and Performance", 24th IEEE International Conference on High Performance Computing Jaipur 2017
77. Agarwal S., Mittal N., Sureka A., "Potholes and Bad Road Conditions- Mining Twitter to Extract Information on Killer Roads", The ACM India Joint International Conference on Data Science & Management of Data (CoDS-COMAD), India. 2018
78. R.K. Roul and S.K. Sahay, "Categorizing Text Data using Deep Learning: A Novel Approach" ICCIDM, 11-12th Nov. 2017, Proceedings in Springer Advances in Intelligent Systems and Computing.
79. Sanjay Sharma, Rama Krishna and S.K. Sahay, "Detection of Advanced Malware by Machine Learning Techniques" International Conference on Soft Computing: Theories and Applications, 22-24 Dec. 2017, Proceedings in Springer, Advances in Intelligent Systems and Computing.
80. Debasis Das and P. Sharma, Algorithm for Prediction of Negative Links using Sentimental Analysis in Social Networks, IEEE 13th International Wireless Communications and Mobile Computing Conference (IWCMC) 2017, June 26-30, 2017, Valencia, Spain [Core Ranking: Core B]
81. Debasis Das, Distributed Algorithm for Geographic Opportunistic Routing in VANETs at Road Intersection, DASC/PiCom/DataCom/CyberSciTech 2017, 6-10 November 2017, Florida, USA [Core Ranking: Core C]
82. Naresh Peshwe and Debasis Das, Algorithm for Trust Based Policy Hidden Communication in the Internet of Things, The 42nd IEEE Conference on Local Computer Networks (LCN), October 9-12, 2017, Singapore [Core Ranking: Core A]
83. Akshita Bhandari, Ashutosh Gupta and Debasis Das, "Betweenness Centrality Updation and Community Detection in Streaming Graphs using Incremental Algorithm", 6th ACM International Conference on Software and Computer Applications (ICSCA 2017), Bangkok, Thailand, Feb 26-28, 2017 [Scopus Index].
84. Debasis Das and Amritesh Kumar, Algorithm for Multicast Opportunistic Routing in Wireless Mesh Networks, 6th ACM International Conference on Software and Computer Applications (ICSCA 2017), Bangkok, Thailand, Feb 26-28, 2017 [Scopus Index].
85. Debasis Das and Harsha V., "Secure Opportunistic Routing for Vehicular Ad Hoc Networks", Springer International Conference on Information and Communication Technology for Intelligent Systems (ICTIS) 2017, 25-26, March, 2017, Ahmedabad, India [Scopus Index].
86. Debasis Das and Harsha V., Connectivity Models for Wireless Sensor Networks: Algorithms, Classifications and Applications, IEEE International Conference on Inventive Computing and Informatics (ICICI 2017), November 23-24, 2017, Coimbatore, India [Scopus Index].
87. Rajib Bag, Debasis Das and Rajiv Kumar, "An Architecture of Smart Transportation System using modified RR algorithm and VANET, 8th ICCNT 2017 : 8th International Conference on Computing Communication and Networking Technologies 2017, 3-5 July, 2017, IIT Delhi, India [Scopus Index, DBLP].
88. Debasis Das and Harsha V., "Design and Safety Verification for Vehicle Networks", Springer International Conference on Ubiquitous Communications and Network Computing (UBICNET) 2017, 3-5 August 2017, Bangalore, India [Scopus Index, DBLP].
89. Trupil Limbasiya, Debasis Das and Ram Narayan Yadav, A Reputation-Based Trust Management Model in Multi-hop Cognitive Radio Networks, 5th International Conference on Advanced Computing, Networking, and Informatics [ICACNI - 2017], 01 - 03 June 2017, Goa, India [Scopus Index, DBLP].
90. Prasad Talasila, Aparajita Haldar, Suhas S. Pai, Neena Goveas, and Bharat M. Deshpande, , Multimodal Transit Scheduler: An Actor-based Concurrent Approach, 20th IEEE International Conference on Intelligent Transportation Systems, Yokohama, JAPAN. October 16 - 19, 2017.
91. Gargi Alavani and Bharat Arora, "Microbenchmarking Tesla K20 GPU for estimating execution time of a CUDA program", Student Research Symp. 24th IEEE HiPC 2017

92. Swati Agarwal: "Investigating the Role of Twitter in E-Governance by Extracting Information on Citizen Complaints and Grievances Reports", The Fifth International Conference on Big Data Analytics (BDA 2017), Hyderabad, India
93. Examining Changes in the Level and Shape of Income Distributions in India, 2005-2012 (with A Kar) at International Conference on Economics and Development (ICED 2017)organised by University of Sri Jayewardenepura, Sri Lanka in association with Warmadewa University, Indonesia at Colombo,Sri Lanka, during June 15-16, 2017.
94. Sen Gupta, Rajorshi and Mark Musumba, "Implications of land and human capital endowment on labor allocation decisions among staple producers in Tanzania, CIMMYT-Columbia University Webinar: Mapping Sustainable Development Goals and Data Needs for Maize Intensification Plans, 2017.
95. Sen Gupta, Rajorshi, Cost of Implementing "Purchase for Progress" Contracts in Conflict prone regions, International Conference on Entrepreneurship, E Commerce, Management, Law,Gender Studies, Humanities, & Social Sciences, Goa, March 2017.
96. Debasis Patnaik 'Measuring Efficiency and Trust in a Corporatized Education Model after Diversity Assessment' Presented in 'Conference on Diversity in Organizations: An Economic Approach' held in 26th July 2017 in University of Toronto, Canada.
97. Invited by Deptt of Economics, Yogi Vemana University, Kadappa, Andhra Rayalaseema to speak on 1- Industrialization Processes in India ; 2- Research trends and approaches in Social Sciences and its Holistic Interfaces in 22-23 Dec 2017.
98. Vellakkal S (2017). Effects of program design and implementation aspects on program outcomes: An equity-wise impact assessment of National Health Mission, using a quasi-experimental study design. 12th World Congress of the International Health Economics Association, Boston University, July 7-11, 2017.
99. Mishra, Aswini & Kar, Atasi. (2017). Examining Changes in the Level and Shape of Income Distributions in India, 2005-2012 in the conference proceedings of International Conference on Economics and Development, Colombo, Sri Lanka. 34-47. DOI: <https://doi.org/10.17501/iced.2017.1104>.
100. Prabhudesai, R., Prasad, Ch.V.V.S.N.V , Walwadkar, S., & Agrawal, S., (2017): "Analyzing the Impact of Perceived Environmental Uncertainty on SME Alliance Formation: An Indian Perspective", Proceedings of International Conference on Strategies in Volatile and Uncertain Environment for Emerging Markets July 14-15, 2017 Indian Institute of Technology Delhi, New Delhi pp.550-556.
101. M. V. Shenoy , K R Anupama, N.Manjrekar , M. Shamsi Indoor localization in NLOS conditions using Asynchronous WSN and Neural Network--6th International conference on communication and Signal Processing- April 2017
102. Rahul Singh, Akshay Chaturvedi and C K Ramesha Smart Health-care Monitoring System - Optical Heart Rate Monitor. 4th IEEE International Conference on Recent Advances In Information Technology Indian Institute of Technology (ISM), 15th - 17th March'18 | Dhanbad, INDIA (Accepted)
103. Rajalekshmi Kishore, Ramesha C. K., Sanjeev Gurugopinath, and Eshaan Sangodkar, Energy Efficiency Optimization for Superior Selective Reporting-based Spectrum Sensing," 2017 IEEE 28th Annual International Symposium on Personal, Indoor, and Mobile Radio Communications (PIMRC), Montreal,Canada, 2017, pp. 1-6.
104. Pravin Mane , Sudeep Mishra, Ravish Deliwala, Ramesha C. K., "Adder Implementation in Reconfigurable Resistive Switching Crossbar", 18th International Symposium on Quality Electronic Design (ISQED 2017), 14-15 March, 2017, Santa Clara (USA), (ISBN:978-1-5090-5404-6, pp. 403-408)
105. Nalband S., Valliappan CA., Gupta R., Prince, A. A., and Agarwal, A.'Feature Extraction and Classification of Knee Joint Disorders Using Hilbert Huang Transform'. 14th Annual IEEE Conference of ECTI Society, (ECTI-CON 2017), pp. 266-269, June 27-30, 2017 Phuket, Thailand, IEEE.
106. A.Srinivasulu & D. Pal, "CCII+ based dual square-and-triangular waveform generator", 9th IEEE International Conference on Electronics, Computers and Artificial Intelligence (ECAI-2017), University of Valahia of Targoviste, Romania, 29 June – 01 July 2017.
107. S. K. Dhakad and T. Bhandari, "A hexagonal broadband compact microstrip monopole antenna for C band, X band and Ku band applications," 2017 International Conference on Computing, Communication and Automation (ICCCA), Greater Noida, India, 2017, pp. 1532-1536. IEEE doi: 10.1109/CCAA.2017.8230045S. Baudha and S. K. Dhakad, "Miniaturized compact super broadband printed monopole antenna," 2017 International Conference on Nextgen Electronic Technologies: Silicon to Software (ICNETS2), Chennai, 2017, pp. 30-33. IEEE doi: 10.1109/ICNETS2.2017.8067891
108. A Ravichandran, A Alnoman, N Sharma, A Anpalagan, Traffic offloading problem in two-tier HetNets with D2D support for emergency communications. Humanitarian Technology Conference (IHTC), 2017 IEEE Canada International
109. Mandar Pradhan, Nitin Sharma, Adaptive Orthogonal Frequency Division Multiplexing Simulation for Under Water Communication, Accepted for Publication in IEEE WiSPNET 2017

110. Patil Siddhant Vitthal, Sundaresan Balasubramanian, Pravin S. Mane, "Color Analysis and Classification Based on Machine Learning Technique Using RGB Camera", 2017 IEEE International Conference on Computational Intelligence and Computing Research (2017 IEEE ICCIC)
111. Prof. M. K. Deshmukh - Invited for Keynote address and Chairing Technical Session on Smart Grid Technologies for Energy management", in i-PACT-17, International Conference on Innovations in Power and Advanced Computing Technologies, -PACT-2017, at School of Electrical Engineering, VIT, Vellore, India, 21-22, April, 2017
112. Invited-talk by D. Pal, titled, "Effort Delay and Appropriate Optimization Techniques", delivered by Dipankar Pal in the 30th IEEE (Technically Sponsored) Symposium on Integrated Circuits and Systems Design (SBCCI 2017) held from 28 August to 01 September 2017, at Hotel Seara Praia, in Fortaleza, Brazil.
113. Invited talk by Nitin Sharma in Defense Electronics Conclave DEFCON-2017 titles "Industry Academia partnership for indianisation for Defense Sector", held on April 28th, 2017 at Hyderabad International Convention Centre (HICC).
114. Technical session by Pravin Mane in Short Term Training Program (STTP) on "Research and Analytical Approach beyond CMOS (RAAC-2017)", held from 12th June, 2017, at Sinhgad Institute of Technology, Lonavala (Pune University).
115. Rayson K Alex "Voices of Eco-resistance in India: A Critique of Neoliberal Natures" International Conference on Rust/Resistance: Works of Recovery held at Wayne State University, Detroit MI, USA 20-24 June, 2017
116. Parichay Patra, "Jesus, Magdalene and the Filipino Judas: Lav Diaz and his 'Artless' Epics": Paper presented at the symposium 'Lav Diaz: Journeys', Westminster School of Media, Art and Design, University of Westminster, UK, March 4, 2017.
117. Basavadatta Mitra & Debasis Patnaik, "Integrating Corportae Model of Evaluating Organisational Behaviour in Indian Educational Institutions: The BITS Goa Case study" presented at 17th international Conference on Diversity in Organisations, Communities and Nations, University of Toronto-Chestnut Conference Centre, Toronto, Canada, 26-28 July, 2017
118. Nilak Datta "Manufacturing the Marvels and Wonders of Hindoostan in the Gilded Age: The 1893 Chicago Exposition and the Parliament of Religions". South Asian Literary Association.. Philadelphia, PA, USA. 2-4 Jan, 2017
119. Amitendu Bhattacharya "Accounting for Taste: Culinary and Alimentary ReConfigurations in Colonial Bengal" at the International Conference "Writing/Righting Wrongs/ Agraviuous del pasado, re-creaciones del presente", organized by the Spanish Association for Interdisciplinary India Studies and the Departament de Filologia Anglesa i de Germanistica, Universitat Autònoma de Barcelona, Spain 29 Nov-1 Dec, 2017.
120. R. P. Pradhan & Pushpendu Ghosh "Factory Asia & India's Regional Terms of Trade: Case of India's Trade Creation or Trade Diversion?", International Conference on Applied Economics & Policy, University of Malay, Kuala Lumpur, Malaysia 21-22 Aug, 2017
121. K. A. Geetha "Reading Srilankan Tamil Literature as Dalit Literature" Presented at the International Conference on Humanities and Social Sciences organized by University of Humboldt, Berlin, Germany 18- 21 May, 2017.
122. K. A. Geetha" Fiction and Reality : The Politics of Panchamar Lands" Presented at the International Conference on Multidisciplinary Research Organised by Singapore Tamil language Centre and American College, Madurai at Singapore 27-30 Dec, 2017
123. Solano Da Silva, 2017. 'The Political-Economy of Land in Goa and the Distortion of Planning and Democracy' presented at National Conference on State Politics in India: Perspectives from the Western Region organised by the Department of Political Science, Goa University at Dhempe College of Arts & Science, Miramar, Goa. 21-Nov-2017
124. Rayson K. Alex "Making Sense of People's Voices:' Ecocultural Justice and the Construction of Mopa Airport in Goa" International Conference on Environmental Justice: Culture Resistance and Ethics at Dr. K. N. Modi University, Rajasthan, on. The conference was co-sponsored by Indian Council of Philosophical Research, New Delhi., 24th and 25th March, 2017
125. Nilak Datta "Stereotype Print and Contemporary Affective Nationalism: Making India in the Age of Globalization". International Conference on Media, Culture and Ethics. BITS Pilani. Pilani Campus. 9-10 February 2017 (Forth coming).
126. Nilak Datta" The Call of the Wilderness: The Linnaean Classification of Spectacular Cityscapes in Dave Prager's Delirious Delhi and Sarah MacDonald's Holy Cow" 17th MELOW International Conference on Space, Place, and Landscape in Literatures of the World. Central University of Himachal Pradesh. Dharamsala. 9-11 March 2017 (Forth coming).

127. Amitendu Bhattacharya "The Poet and the Princes: Cultural and Historical Connections between Tagore and Tripura" at the Annual Conference of the Indian Association for Commonwealth Literature and Language Studies on "Location, Identity, Solidarity: Hegemonic Formations and Contestations (With a Special Focus on the Northeast)", collaboration with the Department of Humanities and Social Sciences, Indian Institute of Technology Guwahati, 15-17 Feb, 2017.
128. Amitendu Bhattacharya "Humanities Education and the Search for 'Self'" at the International Conference on "De-centring English Studies: Studying Literature in the Global South" organized by the Postgraduate Department of English, Utkal University, Bhubaneswar 19-21 Jan, 2017.
129. Reena Cheruvalath was invited as a **Resource Person** in a Two-day **National Seminar** on 'Kant, Hegel, Marx: Revolutions in Philosophising,' organized by Dept. of Philosophy, Government College for Women, Thiruvananthapuram, Kerala on 16th-17th, November, 2017.
130. Dr Anil Kumar delivered an invited talk on "Approximate Controllability of a Class of Parabolic Differential Equations with Memory Term" in International Conference on "Advances in Computational Mathematics" held at University of Dhaka, Bangladesh during May 27 to May 28, 2017.
131. Dr Anil Kumar delivered an invited talk on "Optimal control of the velocity term in plate equation with multiplicative control" in the International Conference on "Recent Advances in PDEs: Theory, Computations and Applications" held at IIT Bombay during June 8 to June 10, 2017.
132. Dr Anil Kumar delivered an invited talk on "A Computational Study of Orthogonal Spline Collocation Methods for fourth-order Boundary Value Problems" in the International Conference on "Nonlinear Differential Equations-Theory, Modeling and Computations" held at SRM University, Kattankulathur, Chennai during December 8 to December 9, 2017.
133. Dr. P. Dhanumjaya delivered an invited talk on "Mixed Discontinuous Galerkin Finite Element Methods (DGFEM) for the Rosenau Equation" in "International Conference on Recent Advances in PDE: Theory, Computation and Applications" at IIT Bombay during 8-10, June 2017.
134. Dr. P. Dhanumjaya delivered an invited talk on "Modeling of Glucose-Insulin Regulatory Systems and Diabetes" in "An International Conference on Computational Modelling & Simulation (ICCMS 2017)" held at University of Colombo, Colombo, Sri Lanka, during May 17-19, 2017
135. Dr. P. Dhanumjaya delivered an invited talk on "Discontinuous Galerkin Finite Element Methods for the One Dimensional Rosenau Equation" in "An International Conference on Computational Modelling & Simulation (ICCMS 2017)" held at University of Colombo, Colombo, Sri Lanka, during May 17-19, 2017
136. Dr. P. Dhanumjaya delivered an invited talk on "Nonconforming Finite Element Methods for the Fourth-Order Nonlinear Parabolic Problem" in "International Conference on Nonlinear Differential Equations-Theory Modeling and Computations" held at SRM University during 8-9, December 2017.
137. Dr. Tarkeshwar Singh delivered an invited talk on S-magicness and Integer Partitioning, in UGC sponsored National Conference on Recent Advances in Mathematical Sciences (RAIMS-2017) at Govt. Science College, Bangaluru, during Feb.09-10, 2017.
138. Sonawane, R.B. and Kumar Anil "Optimal control of the velocity term in a Kirchhoff plate equation with multiplicative control", Proceedings of International Conference on Computational Modelling and Simulation (ICCMS), May 17-19, 2017, Faculty of Science, University of Colombo, 248-251, ISBN: 978-955-703011-1.
139. Amit Setia, Bijil Prakash, A.S. Vatsala "Haar Based Numerical Solution Of Fredholm-Volterra Fractional Integro-Differential Equation With Nonlocal Boundary Conditions "AIP Conference Proceedings. Vol. 1798. No. 1. AIP Publishing, 2017. {Scopus}
140. Roul, R.K., Sahoo, J.K., Classification of Research Articles Hierarchically: A New Technique, Advances in Intelligence System and Computing, vol 556, page 347-361, 2017, Springer (Scopus)
141. Sahoo J.K., Balaji A. Optimizing Support Vector Machines for Multi-class Classification, Communications in Computer and Information Science, vol 721, page 393-398, 2017, Springer. (Scopus)
142. Roul R.K., Sahoo J.K., Goel R., Deep Learning in the Domain of Multi-Document Text Summarization, Lecture Notes in Computer Science, vol 10597, page 575-581, 2017. Springer. (Scopus)
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 174. Vikas Chaudhari, Akshay Sancheti, Shivam Rathi, D. M. Kulkarni and Swadesh Dixit Investigation of Cohesive Zone Model Parameters for Steel Used in Shipbuilding Structure International Mechanical Engineering Congress & Exposition (IMECE- 2017), ASME 2017 conference Tampa, Florida, USA 3- 9 November 2017
 175. Vikas Chaudhari, Harichandra Chandekar, Jayesh Saboo and Adlete Mascarenhas, Effect of chemical treatment on thermo-mechanical properties of jute-polyester composite International Conference on Recent Advances in Materials, Mechanical and Civil Engineering (ICRAMMCE-2017) Hyderabad, India 1- 2 June 2017
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 177. Yash Vartak &Gaurav Singh Higher overall stiffness of triangular shaped ductile/brittle lattice composite structure compared to square shaped structure 14th International Conference on Fracture Rhodes, Greece 18-23 June, 2017
 178. Aditya Patil &Gaurav Singh Influence of friction between crack faces in compressive wood fracture 14th International Conference on Fracture Rhodes, Greece 18-23 June, 2017
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191. Rushikesh Shine, Kiran Mali, An Overview on Impact Behaviour and Energy Absorption of Collapsible Metallic and Non-Metallic Energy Absorbers used in Automotive Applications, International Conference on Recent Advances in Materials & Manufacturing Technologies (IMMT 2017) BITS Pilani, Dubai Campus, Dubai, UAE 28-29, November, 2017
192. Sandeep Jose, C Lakshmana Rao, S. A. Krishnan Numerical simulation of interfacial crack propagation in bimetallic welded joints using XFEM Indian Conference on Applied Mechanics (INCAM) 2017 MNNIT Allahabad 5–7 July 2017
193. S. Singh and B. P. Patel, Postbuckling response of graphene sheets using atomistic–continuum couple multiscale modelling, Proc. 3rd Indian Conference on Applied Mechanics, pp. 59–60 Motilal Nehru National Institute of Technology, Allahabad, Indian July 05–07, 2017
194. Mahesh Dasar, Ujash Shah, PraharshPaiRaikar, RanjitPatil, “Computational Studies on Effect of Novel Accelerating Perforated Distributor on Fluid Dynamic Characteristics of Circulating Fluidized Bed Riser”, Proceedings of 12th International Conference on Fluidized Bed Technology (CFB-12), 325-332. Krakow - Poland, 23-26th May 2017.
195. Vishal V. Patil, Ranjit S. Patil, “Effect of Exhaust Gas Recirculation on Various Characteristics Of Diesel Engine Powered By Rubber Seed Oil Methyl Ester-Butanol Blend”, 24th National and 2nd International ISHMT-ASTFE Heat and Mass Transfer Conference (IHMTTC-2017), BITS Pilani and IIT– Hyderabad, 27-30th December 2017,
196. Sachin Waigaonkar, Society of Asian Rotomoulders (StAR) in 13th Annual Technical Conference Service Capabilities of BITS for Rotational Moulding Industry, January 28-31, 2017
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198. Dr. Kiran D. Mali, Marri Laxman Reddy Institute of Technology and Management. HYD-TELANGANA “Study on the Effect of the Impact Location and the Type of Hammer Tip on the Frequency Response Function (FRF) in Experimental Modal Analysis of Rectangular Plates”, 1-2 JUNE 2018
199. Electron and thermal transport studies in large MoSe₂ single crystals, Dhavala Suri and R. S. Patel SpinTECH IX International School and Conference, June 4-8, 2017, Fukuoka, Japan.
200. Structural, Optical and Magnetic Properties of Co-Doped Zn Nanoparticles, Chithira P. R & Teny Theresa John, International Conference on Nanotechnology: Ideas, Innovations & Initiative – 2017, IIT Roorkee, Dec 6 - 8, 2017, Proceedings p-115.
201. Minimal Modelling of Primary Auditory Neuron Behavior Synapsing to Inner Hair Cell ,Akshay Sasikumar, Siddharth Paliwal, Soumil Moulick, Sachita Nishal & Toby Joseph, 5th International Complex Dynamical Systems and Applications (2017), IIT Guwahati, Dec 4 - 6 2017

202. The economy as a complex system IV: Can economics be a physical science, Chandradew Sharma ,International workshop on the economy as a complex system IV , Non 13-14 2017.
203. Firing Coherence in a network of Integrate-and-fire neurons, Gaurav Dar, 5th International Complex Dynamical Systems and Applications (2017), IIT Guwahati, Dec 4 - 6 2017
204. P K Das Participated in the International workshop on the High Energy Physics Phenomenology(WHEPP) that was held in IISER Bhopal during the period 15th - 23rd December 2017.
205. P K Das delivered a talk at the Department of Physics, University of Kalyani, West Bengal on 16-Oct-2017 on Dark matter and SN1987A cooling.
206. P K Das delivered a talk at the Department of Physics, IIT Indore, on 24 March 2017 on q-deformed statistics and the role of a light fermionic dark matter in SN1987A cooling.
207. P K Das delivered a talk at the Physical Research Laboratory, Ahmedabad, on 21 March 2017 on q-deformed statistics and the role of a light fermionic dark matter in SN1987A cooling.

Hyderabad Campus

1. Imran Khan, Raj Kumar Maguluri, Ravikiran, Jayati Ray Dutta and Ramakrishnan Ganesan: "Lactobacillus sps. Lipase capped Gold nanoparticles cytotoxic evaluation" in Internatinal Conference on Nanotechnology: Ideas , Innovations and Initiatives, 2017, Dec 06 - 08, IIT Roorkee.
2. Imran Khan, Ravikiran Nagarjuna, Almas Shamaila, Ramakrishnan Ganesan* and Jayati Ray Dutta.: "Highly monodisperse gold nanoparticles capped with probiotic Lactobacillus plantarum derived lipase" in National Symposium on Convergence of Chemistry and Materials, BITS-Pilani, Hyderabad, 2017, Dec, 21-22, India.
3. "Characterization of cysteine thiol modifications based on protein microenvironments and local secondary structures", Bhatnagar, A and Bandyopadhyay, D. Indian Biophysical Society, 2017, IISER Mohali, March 2017
4. Characterization of cysteine thiol modifications based on protein microenvironments and local secondary structures", Bhatnagar, A and Bandyopadhyay, D.Computational Chemistry, Biology and Medicine, 2017, IIIT Hyderabad, 29th and 30th November 2017
5. Characterization of protein microenvironment and evolutionary rates of active site residues in RubisCo with an aim to enhance fixation of CO₂", Kiranmayi V and Bandyopadhyay, D, Convergence of Chemistry and Material" 2017, BITS Pilani, Hyderabad Campus, 21st and 22nd of December 2017
6. Anaerobic co-digestion of municipal solid waste landfill leachate and domestic septage in mesophilic and thermophilic conditions using novel continuously stirred tank reactors, International Conference on Emerging Trends in Biotechnology for Waste Conversion (ETBWC – 2017), Nagpur, October 2017.
7. Anaerobic digestion technology for treatment of organic waste and concurrent production of value added products: A case study of BITS Pilani, Hyderabad Campus, National Seminar on Design for sustainability using principles of Environment Management Hyderabad, October 2017
8. Gireesha T. Mohannath.Chromosomal position determines activity status of Ribosomal RNA genes on a multi-megabase scale in Arabidopsis. In: International Conference on Plant Developmental Biology and 3rd National Arabidopsis Meeting, December 2017 at NISER, Bhubaneswar-India.
9. Daipayan Ghosh, Sunetra Sen, Sridev Mohapatra. Modulation of proline metabolic gene expression in Arabidopsis thaliana under water-stressed conditions by a drought mitigating Pseudomonas putida strain. International conference in plant developmental biology, NISER, Bhubaneswar Dec 12-16, 2017.
10. Sunetra Sen, Daipayan Ghosh, Sridev Mohapatra. Modulation of polyamine metabolism in Arabidopsis thaliana by a drought mitigating Pseudomonas putida strain. International conference in plant developmental biology, NISER, Bhubaneswar Dec 12-16, 2017.
11. K. Naga Mohan, Sonal Saxena and Poonam Naik. Stem cell models for studying the role of epigenetic machinery in abnormal neurogenesis. October 17-21, 2017.
12. I Sreedhar, Md Shoebuddin Habeeb, B Sreenivasulu, "Friedel Crafts Acylation of Anisole with Modified Zeolites", ACBES, Dubai, Oct 2017.
13. P.Suresh, I.Sreedhar, V.K Surasani, "Novel Design of Continuous Granulator for Pharmaceutical Industrial Applications", IHMTC 2017, BITS Pilani Hyderabad, Dec 2017.
14. B.Sreenivasulu, I.Sreedhar, K V Raghavan, "Favorable thermodynamics in High temperature carbon capture using coal fly ash doped sorbents", IHMTC 2017, BITS Pilani Hyderabad, Dec 2017.
15. Premanath Murge, Bipin Chakravarthy, **Srikanta Dinda**, Material development from rice husk for CO₂ capture, 24th National and 2nd International ISHMT-ASTFE Heat and Mass Transfer Conference (IHMTC-2017), Hyderabad, 27-30 December, **2017**.

16. Appala Naidu Uttaravalli, **Srikanta Dinda**, Self-Polymerization Kinetics of Cyclo ketone, **CHEMCON-2017**, HIT, West Bengal, India, 27-30 December, **2017**.
17. Sundaraiah Konda, **Srikanta Dinda**, Senapathy Krishnamachary, Cracking and heat sink characteristics of H-carene fuel for spaceship application, **CHEMCON-2017**, HIT, West Bengal, India, 27-30 December, **2017**.
18. **Srikanta Dinda**, Premanath Murge, Bipin Chakravarthy, Sounak Roy, Zeolite supported amine-based sorbent for CO₂ Capture, **CHEMCON-2017**, HIT, West Bengal, India, 27-30 December, **2017**.
19. Appala Naidu Uttaravalli, **Srikanta Dinda**, Thermal Stability and Degradation Characteristics of In-house Developed Polymeric Material, 24th National and 2nd International ISHMT-ASTFE Heat and Mass Transfer Conference (IHMTTC-2017), Hyderabad, 27-30 December, **2017**.
20. "Effect of PP and PP-g-MA on mechanical properties of PA6/PP blends". S. Aparna, **D. Purnima** and Ramesh Babu Adusumalli. International Conference on Advances in Polymer Science & Technology APA-2017, New Delhi, 23-25 November, 2017.
21. **V. K. Surasani**, Bithunshal U.B., Reactive Transport Modelling of Geological CO₂ Sequestration in Deccan Volcanic Province, 24th National and 2nd International ISHMT-ASTFE Heat and Mass Transfer Conference (IHMTTC-2017), BITS, Pilani-Hyderabad Campus, 27-30 December 2017.
22. Ramesh Babu Adusumalli, Chandrakala Kunchi, Karthik Venkateshan; Hardness and Modulus Measurement of Single Scalp Hair Fibers; 10th World Congress for Hair Research; Kyoto-Japan, 174, 31.10-03.11.2017.
23. Karthik Venkateshan, Chandrakala Kunchi, Ramesh Babu Adusumalli; Thermal and Mechanical behaviour of Human Hair Fibers; 10th World Congress for Hair Research; Kyoto-Japan, 174, 31.10-03.11.2017.
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29. T. Yadagiri and Anupam Bhattacharya, One pot two step synthesis of fused delta lactam systems by systematic application of Nazarov-Schmidt rearrangement, 21st CRSI conference, IICT Hyderabad, July 14-16, 2017
30. T. Uday Kumar, Amit Nag and Anupam Bhattacharya, Selective Fe³⁺ detection by using 2-(3H-pyrrolo[2,3-c]quinolin-4-yl)aniline, 21st CRSI conference, IICT Hyderabad, July 14-16, 2017.
31. S. Srinivas Rao, A. Suresh, K. Mahalakshmi Naidu, Napiórkowska Agnieszka, Augustynowicz-Kopec Ewa, Sankaranarayanan Murugesan, Subhash Chander, Rangan Krishnan and K.V.G. Chandra Sekhar, Identification and development of 1,2,3-triazole derivatives of fused pyrazole-dihydropyridine as Mycobacterium tuberculosis Pantothenate synthetase inhibitors, 21st National Symposium in Chemistry, organized by CRSI at Indian Institute of Chemical Technology, Hyderabad, July 13-16, 2017.
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33. Surendar, A. Suresh and K.V.G. Chandra Sekhar, Design and synthesis of novel triazole analogues as antiproliferative agents, National Symposium on Convergence of Chemistry & Materials (CCM-2017) in chemistry, organized by BITS-Pilani, Hyderabad campus, December 21-22, 2017. (Poster presentation).
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35. J. Subbalakshmi, ICSSC -2017, London, Jan 19-20, 2017, Conference proceedings, London United Kingdom .

36. J. Subbalakshmi, Poster presented on Synthesis and Characterization of 7,7-bis(N,N-Dimethylethylenediamino)- 8,8-Dicyanoquinodimethane-Picrate Complex ,
37. Krishnan Rangan, Synthesis, characterization, crystal structure of bis(phenanthroline)oxalatonickel(II) pentahydrate, 24th Congress International Union of Crystallography, IUCr 2017.
38. Moghal Zubair Khalid Baig, Durba Roy and Manab Chakravarty, Anthracenyl π -conjugates with weak donor/nitro acceptor as highly solvatochromic fluorophore: Contrast with cyano analogue, CRSI-2017, IICT, Hyderabad, July 2017.
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42. S. Pawar, Banda Ravi Teja, Nagarjuna Ravikiran, Ramakrishnan Ganesan & Amit Nag*, Probing the surface composition effect of silver-gold alloy in SERS efficiency, CRSI-2017, IICT, Hyderabad, July 2017.
43. Deepthi Priyanka Damera and Amit Nag*, Deciphering the role of bi-layer towards entrapment of dyes in niosome via Raman spectroscopy, CRSI-2017, IICT, Hyderabad, July 2017.
44. Shweta Pawar, Uday Kumar Togiti, Anupam Bhattacharyya and Amit Nag*, 4-pyridine-2-yl)-3H-pyrrole [2,3c] quinolone (PPQ)-functionalized carbon dots: A fluorescent probe for detecting water in organic solvent, CCM 2017, BITS Hyderabad, December 2017.
45. Deepthi Priyanka Damera and Amit Nag*, Three layered self-assembled ceramic drug carrier dually loaded with Bovine Serum Albumin and Curcumin, CCM 2017, BITS Hyderabad, December 2017.
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47. Oral Presentation on "Molecular dynamics study of conformational switch and disulfide bond isoform equilibrium in a conopeptide" at the 6th Indian Peptide Symposium at HBCSE, Mumbai, Feb 23-24, 2017.
48. Chaired a session in the international conference in collaboration with DFG (German Research Foundation) entitled 'Computing in Chemistry, Biology and Medicine' on 29th and 30th of November 2017 at IIT Hyderabad.
49. Aravind Bairi, A.Vasan, K.Srinivasa Raju, D.V.Morankar, Application of Cuckoo Search Algorithm in Water Resources Planning and Management, 22nd International Conference on Hydraulics, Water Resources and Coastal Engineering, HYDRO 2017, December 21-23, 2017, Ahmedabad, India, pp. 1387- 1392.
50. K.Srinivasa Raju, Multicriterion Analysis and Decision Making: An Overview, Proceedings of International Conference on Technological Advances in Climate-Smart Agriculture and Sustainability (TACSAS-2017), January 16-18, 2017, Nanded, India, pp. 9-10 (Delivered as Keynote Lecture on January 18, 2017).
51. K.Srinivasa Raju and A.Vasan, Optimal Reservoir Operation using Multiobjective Genetic Algorithms, Proceedings of International Conference on Technological Advances in Climate-Smart Agriculture and Sustainability (TACSAS-2017), January 16-18, 2017, Nanded, India, pp.321-324.
52. Aravind Bairi, A.Vasan, K.Srinivasa Raju, D.V.Morankar, "Application of Cuckoo Search Algorithm in Water Resources Planning and Management", 22nd International Conference on Hydraulics, Water Resources and Coastal Engineering, HYDRO 2017, Ahmedabad, December 21-23, 2017.
53. Raja Sekhar Mamillapalli and Prof. P. N. Rao, "COMPARATIVE STUDY ON INFILL WALLS", International Conference on Recent Advances in Materials, Mechanical and Civil Engineering (ICRAMMCE-2017), 1-2 June,2017, organized by MLRITM, Hyderabad.
54. Raja Sekhar Mamillapalli, Prof. P. N. Rao, Srinivas Angadi " Experimental Studies on behavior of Concrete Filled Steel Tubular Short Columns (CFSTC)", International Conference on composite Materials and Structures (ICCMS 2017), 27-29thDecemebr,2017, Hyderabad, organized by IIT, Hyderabad, India.
55. Gowre Manookare, A. Vasan, "Topology Optimization of Diagrid Structures Using Differential Evolution", ASCE India Conference 2017 – Urbanization Challenges in Emerging Economies, IIT Delhi, December 12-14, 2017.
56. Kalyana Rama J S, Sai Krishna P, MVN Sivakumar, A. Vasan, Ramachandra Murthy. "Parametric study on the influence of cement replacement materials on the rheology of cement paste using Brookfield Viscometer", RILEM 71st Week, International Conference on Advances in Construction Materials and

- Systems (ICACMS-2017) at IIT Madras & Hotel Leela Palace, Chennai, India during September 03-08, 2017.
57. K. Srinivasa Raju and Vasana A. "Optimal Reservoir Operation Using Multiobjective Genetic Algorithms", Proceedings of International Conference on Technological Advances in Climate-Smart Agriculture and Sustainability (TACSAS2017) at Shri Guru Gobind Singhji Institute of Engineering & Technology, Nanded, Maharashtra, India during January 16-18, 2017.
 58. Sai Kubair K., Shreyans R Surana, M Venkata Sai Krishna, Sridhar Raju., and V Vinayaka Ram., "Rutting Potential of Gap Graded Warm Mix Asphalt with Higher Percentage of Crumb Rubber", Urbanization challenges in emerging economies, ASCE India Conference 2017, New Delhi, 12-14 Dec 2017.
 59. Prateek Agarwal, Katla Bhanuprasad, Sridhar Raju and V Vinayaka Ram, "Rutting Potential of Half Warm Mix Asphalt using Polymer Modified Bitumen Emulsion", Urbanization Challenges in Emerging Economies, ASCE India Conference 2017, New Delhi, 12-14 Dec 2017.
 60. Sai Kubair K., Shreyans R Surana, and Sridhar Raju, "Characterization of Gap Graded Asphalt Mixture with High Rubber Content," 83rd Transportation Research Board Annual Meeting 2018, Transportation Research Board (TRB), Washington, D.C., 7-11 Jan 2018.
 61. S Gireesh Kumar, J Satya, Kratagya Mittal, Sridhar Raju (2018) "Design of a bituminous mixture for perpetual pavement" International Conference on Recent Advances in Materials, Mechanical and Civil Engineering (ICRAMMCE -2017), 1-2nd June 2017 at Marri Laxman Reddy Institute of Technology and Management, Hyderabad, India.
 62. Chandu Parimi, Venkateshwaran R., Sanketh V Sai, Ajinkya Gavane, Vishal B Athreya, Prakash Srivastava, and Tathagata Ray, "MS Kinect a potential gait analysis system: Clothing effect on the gait kinematics" Poster presentation at XXVI Congress of the International society of Biomechanics, 23-27th July 2017, Brisbane, Australia.
 63. S.C Mohan, N. Ajinkya, A. Shubi, Structural Health Monitoring using Feature Extraction from Dynamic Response of the Structure, International Conference on Recent Advances in Materials, Mechanical and Civil Engineering, June 1-2, 2017, Hyderabad, India.
 64. S.C Mohan, K. Sai Kuber, Numerical Model Updating Technique for Structures Using Firefly Algorithm, International Conference on Recent Advances in Materials, Mechanical and Civil Engineering, June 1-2, 2017, Hyderabad, India.
 65. S. R. Surana, A. Kar, A. GuhaRay, A., K. Suluguru, Jayatheja, M., (2017) "Experimental Investigations on Building Derived Materials in Chemically Aggressive Environment as a Partial Replacement for Sandy Soil in Ground Improvement", Urbanisation Challenges in Emerging Economies, Moving Towards Resilient Sustainable Cities and Infrastructure" ASCE India Section, New Delhi, India, December, 2017.
 66. GuhaRay, A., Kiranmayi CVSP and Rudraraju, S. (2017) "Reliability Based Performance Evaluation of Stone Column Improved Soft Ground", ICGEG 2017: 19th International Conference on Geotechnical Engineering and Geomechanics, Rome, Italy, September 18-19, 2017, Vol. 11 No. 9, pg. 699 - 703.
 67. S. Mondal, A. Kar, A. Guharay and N. James (2017) "Characterization of Building Derived Materials for Ground Improvement of Contaminated Soils", 71st Annual RILEM Week and ICACMS 2017 Conference, IIT Madras, Chennai, September.
 68. Gupta S., GuhaRay, A. and Kar, A. (2017) "Effect of alkali activated binder treated jute reinforcement on permeability of cohesionless soil", 6th Indian Young Geotechnical Engineers Conference (6IYGEC), NIT Trichy, 10-11 March, 2017.
 69. Jayatheja, M., Suluguru, A.K., Anand A., GuhaRay, A. and Kar, A. (2017) "Performance of sand partially replaced with building derived materials under static loading conditions", International Conference on Geotechniques for Infrastructure Projects, Thiruvananthapuram, February 27-28, 2017.
 70. Baidya, D.K. and GuhaRay, A. (2017) "Geotechnical Engineering: Reliability Aspects", Conference on Numerical Modelling in Geomechanics, IIT Roorkee, March 3-4, 2017.
 71. S. Gupta, A. GuhaRay, A. Kar, and V. P. Komaravolu, 2017, "Alkali Activated Binder treated Jute Reinforced Soil: A Preliminary Study", IGC 2017 – GeoNEst, IIT Guwahati, Dec 14 - 16, 2017.
 72. M. Jayatheja, A.K. Suluguru, A. GuhaRay, A. Kar, and A. Anand, 2017, "Laboratory Shear Strength Studies of Sand admixed with Building Derived Materials", IGC 2017 – GeoNEst, IIT Guwahati, Dec 14 - 16, 2017.
 73. Raut, K. D., Guharay, A., James, N., and Kar, A., 2017, "Experimental Studies on Responses of Building Derived Materials after Exposure to Aggressive Chemicals", National conference on Urban Environmental Management in India, MNIT, Jaipur, Rajasthan, India, Jan 20-21, 2017.
 74. H. R. Tewani, Kalyana Rama J S, "Parametric Study On the effect of the friction coefficients between laminae on the behavior of a laminated composite plate" Computational Science.

75. Anand Kumar R, Pardeep K, Moorthi P V P, Bahurudeen A, Subair M and Nikhil S "Influence of aggregate modelling on ultrasonic wave propagation in concrete, In Proceedings of 71st RILEM Annual Wek & ICACMS, Pages 587-596, 2017, Sept 3 - 8, IIT Madras
76. Nivedha P, Athira G, Bahurudeen A and Prasanta K S. Identification of suitable ready mix concrete suppliers using geographic information system, In Proceedings of 71st RILEM Annual Wek & ICACMS 2017, Pages 675-682, Sept 3 - 8, IIT Madras
77. BKSP Kumar Raju, Nikhil Bharadwaj Gosala and G Geethakumari, "CLOSER: Applying Aggregation for Effective Event Reconstruction of Cloud Service Logs", 11th ACM International Conference on Ubiquitous Information Management and Communication, (ACM IMCOM 2017), January 5 - 7, 2017, Beppu, Japan.
78. Sameer Dharur, K Swaminathan, and Chittaranjan Hota, "Energy efficient IoT framework for smart buildings", IEEE International Conference on IoT in Social, Analytics and Cloud (I-SMAC 2017), Feb 2017.
79. Surendra Singh, Sachin Tripathi, and Suvadip Batabyal, "Utilization based Secured Dynamic Scheduling Algorithm for Real-Time Applications on Grid (u-SDSA)," 31st IEEE International Conference on Advanced Information Networking and Applications (AINA), pp. 606-613, 27 - 29 March, 2017, Taiwan.
80. Rajesh Kumar Shrivastava, Chittaranjan Hota, and Prashast Srivastava, "Protection against code exploitation using ROP and check-summing in IoT environment", 5th International Conference on Information and Communication Technology (ICoICT), pp. 7 - 12, May 2017, Multimedia University, Malaysia.
81. Chittaranjan Hota, Rajesh Kumar Shrivastava, and Shivangi Shipra, "Tamper-Resistant Code Using Optimal ROP Gadgets for IoT Devices", 13th International Wireless Communications and Mobile Computing Conference (IWCMC 2017), pp.570-575, June 2017, University of Valencia, Spain.
82. Surender Singh Samant, N.L. Bhanu Murthy and Aruna Malapati, "BIGRAM-BASED FEATURES FOR REAL-WORLD EVENT IDENTIFICATION FROM MICROBLOGS", 8th International Conference on Computing, Communication and Networking Technologies (ICCCNT 2017), 3 - 5 July 2017, IIT Delhi, India.
83. Soumyadeep Dey, Barsha mitra, Jayanta Mukhopadhyay, Shamik Sural, "A Comparative Study of Margin Noise Removal Algorithms on MarNR: A Margin Noise Dataset of Document Images", ICDAR-OST workshop of 14th IAPR International Conference on Document Analysis and Recognition (ICDAR 2017), September 2017, Kyoto, Japan.
84. Rajesh Kumar Shrivastava, Sanket Mishra, Srimanta Barua, and Chittaranjan Hota, "Resilient Complex Event Processing in IoT using Side-channel Information", 10th ACM International Conference on Security of Information and Networks (SIN'17), ACM ICPS, 13 -15 October 2017, India.
85. SaiKiranmai Gorla, Aditya Chandrashekhar, N L Bhanu Murthy, and Aruna M "TelNEClus:Telugu Named Entity Clustering using Semantic Similarity." International conference on Computational Intelligence 2017 (ICCI 2017) 6 - 8 December 2017, Indian Institute of Technology Kanpur, India.
86. SaiKiranmai G and Aruna M, "A Comparative Study of Named Entity Recognition for Telugu", Forum for Information Retrieval Evaluation 2017 (FIRE 2017), 8 -10 December 2017, Indian Institute of Science, Bangalore, India.
87. Surender Singh Samant, N.L. Bhanu Murthy and Aruna Malapati, "A Novel Method for Summarization and Evaluation of Messages from Twitter", 9th International Conference on Advances in Pattern Recognition (ICAPR 2017), 28 - 30 December 2017, ISI Bangalore, India.
88. Tanmaya Shekhar Dabral, Amala Sanjay Deshmukh and Aruna Malapati, "A Multi Scale Convolutional Neural Network Architecture For Music Auto-Tagging" Soft Computing for Problem Solving - SocProS 2017, December 2017, Indian Institute of Technology Bhubaneswar, India.
89. Vivek Yadav and Anand Narasimhamurthy, "A heuristics based approach for optimizing delivery schedule of an Unmanned Aerial Vehicle (Drone) based delivery system", 9th International Conference on Advances in Pattern Recognition (ICAPR 2017), Indian Statistical Institute, Bengaluru, December 2017.
90. Surender Singh Samant, N.L. Bhanu Murthy and Aruna Malapati, "CapAct: A Wordnet-Based Summarizer for Real-World Events from Microblogs", Accepted at 14th International Conference on Distributed Computing and Internet Technology (ICDCIT 2018), 11 - 13 January 2018, KIIT Bhubaneswar, Orissa, India.
91. Rashmi Sahay, G Geethakumari and Koushik Modugu, "Attack Graph-Based Vulnerability Assessment of Rank Property in RPL-6LOWPAN in IoT", Accepted at the 4th World Forum on Internet of Things (WF-IoT 2018), pp. 05-08, February 2018, Singapore.
92. Dr. G Geethakumari, 11th ACM International Conference on Ubiquitous Information Management and Communication, (ACM IMCOM 2017), January 5-7, 2017, Beppu, Japan
93. Dr. Chittaranjan Hota, 13th IEEE International Wireless Communications and Mobile Computing Conference (IEEE IWCMC 2017). June 25-30, 2017, University of Valencia, Valencia, SPAIN.

94. Mr. Surender Singh Samant, 8th International Conference on Computing, Communication and Networking Technologies (ICCCNT-2017), July 4-5, 2017, IIT Delhi
95. Dr. Anand Narasimhamurthy, IEEE Symposium on Drone Computing , October 6, 2017, Sterlings Mac Hotel, Bengaluru
96. Dr. Chittaranjan Hota, Indo-Dutch R&D Workshop, October 25-26, 2017, IIIT, Bangalore
97. Dr. Subhrakanta Panda, Embedded Software Safety & Security, November 10, 2017, Taj Deccan, Banjara Hills, Hyderabad
98. Dr. Barsha Mitra, 14th IAPR International Conference on Document Analysis and Recognition (ICDAR 2017), November 9 - 15, 2017, Kyoto, Japan
99. Dr. Aruna Malapati, International Conference on Computational Intelligence: Theories, Applications and Future Directions , December 6 - 8, 2017, IIT Kanpur
100. Dr. Subhrakanta Panda, Microsoft Intelligent Cloud., December 14, 2017, Taj Krishna, Banjara Hills, Hyderabad
101. Dr. Anand Narasimhamurthy, 9th International Conference on Advances in Pattern Recognition (ICAPR 2017), December 27-30, 2017, ISI Bengaluru
102. Mr. Surender Singh Samant, 9th International Conference on Advances in Pattern Recognition (ICAPR-2017) , December 29-30, 2017, ISI Bangalore
103. Soumya J, VLSI Design Conference-2017, Application-specific and reconfigurable network-on-chip design, 7-11 Jan 2017, HICC, Hyderabad
104. Sanket Goel, Photonics West 2017, Rapid Prototyped Microfluidic PCR platform to detect mutations associated with multiple drug resistance tuberculosis & 3D printed microfluidic diffusivity meter: A tool to optimize CO2 driven enhanced oil recovery, 28 Jan- 2 Feb 2017 San Francisco, USA
105. P K Pattnaik, 4th International conference on signal processing and integrated networks SPIN 2017, A Novel algorithm to optimize cost of coherent long-haul DWDM network, 02-03 Feb 2017, Amity University, Noida, India
106. Soumya J, IEEE Computer Society India symposium 2017, 17-19 Mar 2017, IIIT Allahabad, UP
107. Prasant Kumar Pattnaik, WiSPNET 2017, Robust DCN Design for Optical Transport Network Resilience, 20-22 March 2017, Chennai, India
108. S K Sahoo, 4th International conference on Asynchronous counter, An efficient serial-serial multiplier using parallel asynchronous counter, 3-4 Jun 2017, Darjeeling, West Bengal
109. Sandeep Kumar, Indian Antenna Week 2017, 5-9 June 2017, DIAT, Geiringer, Pune
110. Soumya J, 54th Design Automation Conference-2017(DAC-2017), Flexible spare core placement for fault-tolerant network on chip design, 18-22 Jun, 2017, Austin, TX
111. Balasubramanian M, 12th conference on lasers and electro-optics pacific rim CLEO-PR 2017, 22nd optoelectronics and communication conference OECC 2017 and 5th Global photonics conference 2017 PGC 2017, MOEMS, Accelerometer based on grating coupler integrated with embossed, 31 Jul-4 Aug 2017, IEEE photonics society, optical society of America and SPIE
112. S K Chatterjee, ICCES 2017, A New one bit transform for low complexity block based motion estimation for HEVC, 19-20 Oct 2017, Arcadia, Coimbatore
113. Runa Kumari, ICCES 2017, International Conference on Computational and Experimental Engineering and Sciences, Bandwidth enhanced high efficiency compact CPW fed Metamaterial antenna based on ENG -TL structure, 26-30 Jun. 2017. Madeira, Portugal
114. Runa Kumari, iAIM 2017, IEEE International Conference on Antenna Innovations and Modern Technologies, Aperture coupled frequency reconfigurable dielectric resonator antenna for wireless applications, 24-26 Nov 2017, Bangalore, India
115. Shaikshavali C, 54th IEEE conference on decision and control 2017, Nonlinear event-based state estimation using sequential Monte Carlo Techniques, 12-15 Dec 2017, Melbourne, Australia
116. Ramakant, IWPSD 2017, Optimization of the tunnel FET Device structure for achieving circuit performance better than the current standard 45 nm CMOS technology, 11-15 Dec 2017, IIT Delhi
117. S K Sahoo, IEEE iNIS 2017, Lookup table-based low-power implementation of Multi-channel filters for software defined radio, 18-20 Dec 2017, Oriental group of Institutes, Bhopal
118. Soumya J, IEEE iNIS 2017, Routing Algorithm for Application-Specific Network-on-Chip with Irregular Core Sizes, 18-20 Dec 2017, Oriental group of Institutes, Bhopal
119. Souvik Kundu, ICAMR 2017, BaTiO₃-BiFeO₃/Nb:SrTiO₃ Based Resistive Switching Memory and its Potential Application in Analog Signal Processing, 20-22 Jan, 2017, Hong-Kong
120. Prasant Kumar Pattnaik, WRAP-2017, Variable Optical Attenuator for DWDM Networks based on Metal Proximity to Waveguide Bragg Grating 18-19 December 2017, Hyderabad, India.

121. C H Yaganti, The development of Derivatives Markets and Risk minimization & volatility Dynamics in International Conference on 25 Years of Economic Reforms in India, held at Department of Economics, Kakatiya University, Warangal, January 28 - 29, 2017.
122. Nagaraju Thota, An Analysis of Cost of Cultivation and Production: A Case study of United Andhra Pradesh in International Conference on 25 Years of Economic Reforms in India” held at Kakatiya University, Warangal-Telangana, January 28 - 29, 2017.
123. Swati Alok, Consumer perceptions towards frozen foods: A study of Hyderabad-Secunderabad twin cities, in National conference sponsored by ICCSR in IPE on: Modern Retailing- Social & Economic Perspectives, January 30-31, 2017 (Awarded “the Best paper” of the conference)
124. Sri Hari Nayudu & C H Yaganti, Long Run Determinants of Sovereign Bond Yields: The Case of Emerging Economies in National Conference on Globalizing the Finance held at Department of Economics, Pondicherry Central University, April 9-11, 2017.
125. Sudatta Banerjee, Determinants of Schooling Quality: A Case Study of the Schools of Burdwan, India, in XXVI Meeting of the Economics of Education Association, Murcia, Spain, June 29-30, 2017.
126. Swati Alok, Application of Theory of Planned Behavior Model during Task Conflict: An Empirical Study among Indian Software employees in 30th International conference, at International Association for Conflict Management (IACM) Conference in Berlin, Germany organized by ROSS school of Business, University of Michigan, July 8-13, 2017.
127. Durgesh C Pathak, Effect of Education of Household Head on Income from Agricultural Farm, in National Conference on Agriculture & Rural Management: Prospects & Emerging Issues, Organized by Department of Economics, St. Xavier’s College, Jaipur in collaboration with The Econometric Society of India, November 3-4, 2017.
128. Swati Alok, Impact of selling skill and demographic variables on sales performance in 4th international conference on human resource management in ICFAI business school (IBS) Hyderabad, November 10, 2017.
129. Swati Alok, A household-based survey of knowledge, attitudes, and practices (KAP) towards dengue fever among four villages of Shameerpet Mandal of Ranga Reddy District of Telangana in IASSH - 15th annual conference NIRDPR, November 16-18, 2017.
130. Sudatta Banerjee, Determinants of Schooling Quality in XXVIIth Annual General Conference on Contemporary Issues in Development Economics, Jadavpur University, Kolkata, December 21-22, 2017.
131. Dr. Lavanya Suresh- Presented a paper titled “Perspectives on Gender Equality in the Context of Environmental Sustainability” at the Ninth Biennial Conference of Indian Society for Ecological Economics (INSEE) (International) held at the Kerala Institute of Local Administration (KILA), Thrissur from the 8th to 10th of Nov, 2017
132. Dr. Lavanya Suresh- Presented a paper titled “Decentralized Democracy in India: Gandhi's Vision and Reality” at the National Seminar on Decentralization and Alternative Development: Exploring the Ideas of Gandhi & Kumarappa held at the Institute for Social and Economic Change (ISEC), Bangalore from 29th and 30th, November 2017.
133. Dr. Suchismita Satpathy - Presented a paper. Smart ways of land grabbing in smart city Bhubaneswar at Indian Sociological Society Conference 10-12th November 2017, Lucknow University, Lucknow.
134. Conversations On Contemporary Struggles Towards The Realization Of Socio-Economic Rights (2- 5th November 2017), at NALSAR Law University, Hyderabad, Attended by Prof. Sunny Jose, Dr. Lavanya Suresh, Mr. Shamuel Tharu, Dr. Suchismita Satpathy, Miss Kopal Khare, Miss Suchismita Ghosh, Miss Jahnavi Lakshmi.
135. Dr. Lavanya Suresh and Dr. Suchismita Satpathy- Data Workshop, November 18-19, 2017 at CESS Begumpet, Hyderabad, organized by Hyderabad Urban Lab.
136. Dr Biswanath Dash delivered talk on “Incident Response System” in a training workshop 3 - 6th July, 2017 organized by UNDP and Govt. of Himachal Pradesh at Shimla.
137. Dr. Santosh Mahapatra presented a paper titled “Enhancing Teacher Reflection on Classroom Teaching through Audio Recording” at AINET International Teacher Research Conference held in Nagpur from 14th to 15th September, 2017.
138. Dr. Santosh Mahapatra participated in a two-day workshop titled “AARMS Induction Workshop” organized by British Council in New Delhi (March 2017).
139. Dr. Maya Vinai attended and presented a paper titled “Unravelling the spice politics & Cosmopolitanism of Kochi: Emerging alternate representations in N. S Madhavan’s Litanies of Dutch Battery” at national conference on Comparative Humanities: Re-Configuring Humanities across cultures at EFL University Hyderabad from 5th to 7th April, 2017.
140. Dr. Maya Vinai attended and presented a paper titled “Beyond Spice trade and temple conquests: Palimpsest memories of colonial regimes along the Malabar coastline in the native imagination” at a

conference organized by South Asian Literary Association (SALA) in Philadelphia, Pennsylvania U.S.A from 2nd to 4th January 2017.

141. Siva Prasad A V S, Numerical study of dynamic crack propagation in brittle solids using Peridynamics, Indian Conference on Applied Mechanics (INCAM) 2017, MNNIT Allahabad 5 - 7 July 2017
142. Sandip Deshmukh & Khalid Anwar, Prediction and mapping of solar energy potential in Andhra Pradesh, India using artificial neural networks and ArcGIS, World Renewable Energy Congress held at Murdoch University, Western Australia
143. G. Naveen Kumar, R. Parameshwaran, V. Vinayaka Ram, Development of hybrid nano based PCM embedded cement mortar for building cooling applications – an Experimental Investigation, Proceedings of International Conference on Nanotechnology: Ideas, Innovations & Initiatives-2017 (ICN:3I-2017), Energy & Nano. Elect._1058-ICN3I, pp. 345, December 06-08, 2017, IIT Roorkee, India
144. Pawan K C, R. Sujith and R. Parameshwaran, Synthesis of Hierarchical Mesoporous Silicon Oxycarbide Ceramics via Polymer Precursor Route, 55th National Metallurgists' Day International Symposium (NMD-ATM 2017), Nov 12-13, 2017, BITS Pilani Goa (India).
145. Manan, N. Gokul and R. Sujith, Processing and Characterization of Stir Casted Al 2024 and Mg AZ91 – Graphene Nanocomposites, , 55th National Metallurgists' Day International Symposium (NMD-ATM 2017), Nov 12-13, 2017, BITS Pilani Goa (India).
146. Sumit Chamling Rai, Jayesh Sanwal, K. Ram Chandra Murthy, Simulation of Rarefied Gas Flow in a Rectangular Enclosure, Proceedings of the 24th National and 2nd International ISHMT-ASTFE Heat and Mass Transfer Conference (IHMTTC-2017), Dec 2017, BITS-Pilani, Hyderabad, India
147. VN Balavignesh and Supradeepan K, Adjoint shape optimization of internal and external flow geometries in OpenFOAM environment, 44th National conference on Fluid Mechanics and Fluid Power
148. Hemanth Mithun Praveen, G R Sabareesh, A Study on multicomponent failure interaction within a planetary gear box of a wind turbine, 13th International Conference on Vibration Problems, IIT Guwahati
149. VN Balavignesh, Supradeepan K and Arnab Roy, POD Analysis of Flow past two cylinders in Tandem arrangement, 7th international conference on Theoretical, Applied, Computational and experimental Mechanics
150. KaustavBhadra, G.R. Sabareesh, K. Ram chandra murthy, “, Cross-Wind Load Effects on different Vehicle Body Geometries, 7th European African Conference on Wind Engineering, , Belgium
151. Inturi Vamsi, Sabareesh G R, Penumkala P K, Shsesha Bhuvan Karthik, A comparative study on efficacy of condition monitoring techniques in a wind turbine under stationary and non-stationary loading conditions, 13th International Conference on Vibration Problems, IIT Guwahati
152. K.Singh, N Bojja, S Das, G.R.Sabareesh, Y.V.D Rao, Investigations on vibration characteristics of a meta material beam, 13th International Conference on Vibration Problems, IIT Guwahati
153. Ashish Saxena, Ng Yin K. Eddie, D. Jaya Krishna, Jalaiah Nandanavanam, R. Parameshwaran, Numerical Investigation of Mixed Convection in a Lid-Driven Square Cavity With and Without Fin, 1st International and 18th ISME Conference (ISME18), NIT Warangal
154. Ashish Saxena, Raga Madhuri Nallam, Jalaiah Nandanavanam, Ramakrishnan Ganesan, PEG Functionalization Strategy for Stable Al₂O₃ Nanofluids towards Heat Exchange Applications, 24th National and 2nd International ISHMT-ASTFE Heat and Mass Transfer Conference (IHMTTC-2017), BITS-Pilani, Hyderabad Campus
155. Kurra Suresha, Srinivasa Prakash Regalla, Nitin Kotkundaea, Finite element simulations of multi stage incremental forming process, 7th international conference on Materials and Processing Technologies, Hyderabad
156. Suresh Kurra , Srivatsan , Simhachalam Bade, Praveen Kumar G, Analysis of fine blanking process through finite element simulations , 20th International Conference on Advances in materials and Processing Technologies, Chennai
157. G. Praveen, Ram Tarun Reddy, Kurra Suresh, Experimental studies on incremental hole flanging of steel sheets, 20th International Conference on Advances in materials and Processing Technologies, Chennai
158. P. V. S. Divya, P. K. Penumakala, J. Jaidi, Thermal stress analysis in direct chill casting of magnesium alloys, Proceedings of the 24th National and 2nd International ISHMT-ASTFE Heat and Mass Transfer Conference (IHMTTC-2017), Dec 2017, BITS-Pilani, Hyderabad, India
159. P. K. Penumakala, G. Nanda, R. Sujith, K. Suresh, Microstructure evolution during the stir casting of a Graphene-Magnesium alloy composite, Liquid Metal Processing Symposium, USA
160. R. Shah, K. Singh, P. K. Penumakala, A. Ramesh Babu, Finite element analysis of short beam shear test of CFRP Laminates, International Confernece on Composite Materials and Structures, Hyderabad, India
161. Pavandatta M Jadhav, Suresh Kumar Reddy Narala, Wear Behavior of carbide tool coated with Yttria-Stabilized Zirconia nano particles, International Conference on Recent advances in Material and

- Manufacturing Technologies , International Conference on Recent advances in Material and Manufacturing Technologies (IMMT 2017),
162. Amar Sheelwant, Suresh Kumar Reddy Narala, Palaparty Shailesh,, Synthesis and Characterization of Stir Cast Aluminium-Titanium Diboride (Al-TiB₂) MMC, International Conference on Recent advances in Material and Manufacturing Technologies (IMMT 2017),
 163. Srinivasa Prakash Regalla, V. Krishnan Anirudh, N. Suresh Kumar Reddy, Tribological Performance Of Zinc Soft Metal Coatings In Solid Lubrication, International Conference on Recent advances in Material and Manufacturing Technologies (IMMT 2017),
 164. Uma Maheshwera Reddy Paturi, Harish Devarasetti, David Abimbola Fadare and Suresh Kumar Reddy Narala, Application of Artificial Neural Network and Regression Analysis in Modeling of Surface Roughness in WS₂ Solid Lubricant Assisted MQL Turning of Inconel 718, International Conference on Recent advances in Material and Manufacturing Technologies (IMMT 2017),
 165. Uma Maheshwera Reddy Paturi and Suresh Kumar Reddy Narala, Electrostatic Solid Lubricant Coatings: Optimization of Process Parameters and Performance in Tribological Tests, 8th International Conference on Materials and Manufacturing Technology(ICMMT 2017)
 166. Amar Sheelwant, Suresh Kumar Reddy Narala, Palaparty Shailesh, Investigation of Tribological Properties of Aluminium-Titanium Diboride (Al/TiB₂) MMC under Dry Sliding Condition, 44th International Conference on Metallurgical Coatings and Thin Films, April 24-28, 2017, San Diego, California, USA
 167. Venkatesh Mundada, Narala Suresh Kumar Reddy, Optimization of Milling Operations Using Artificial Neural Networks (ANN) and Simulated Annealing Algorithm (SAA), International Conference on Materials Processing and characterization, 17th to 19th March 2017, Hyderabad, Telangana, India.
 168. Dileep, M. Paul, Rinu Thomas, Sreesankaran M, Jeevan Jaidi, and Jithin P, "Experimental Investigation of the Effect of Wire-coil Inserts on the Performance of a Three-Pass Fin", 24th National and 2nd International ISHMT-ASTFE Heat and Mass Transfer Conference (IHMTTC-2017), BITS Pilani, Hyderabad Campus, 27-30 December 2017.
 169. Nitin Mythreya Yadlapalli Venkata, and Jeevan Jaidi, "Model Development and Analysis of Feedwell Flow Dynamics in Thickeners", 24th National and 2nd International ISHMT-ASTFE Heat and Mass Transfer Conference (IHMTTC-2017), BITS Pilani, Hyderabad Campus, 27-30 December 2017.
 170. Suryadevara Pruthvi and Jeevan Jaidi, "Design, Development and Analysis of Airborne Wind Turbine using CFD and FEA Tools" , 24th National and 2nd International ISHMT-ASTFE Heat and Mass Transfer Conference (IHMTTC-2017), BITS Pilani, Hyderabad Campus, 27-30 December 2017.
 171. P. V. Sai Divya, Pavan Kumar Penumakala , and Jeevan Jaidi, "Thermal Stress Analysis in Direct Chill Casting of Magnesium-alloys", 24th National and 2nd International ISHMT-ASTFE Heat and Mass Transfer Conference (IHMTTC-2017), BITS Pilani, Hyderabad Campus, 27-30 December 2017.
 172. Alok Deshpande, and Jeevan Jaidi, "The Numerical Study of Flameless Combustion", 24th National and 2nd International ISHMT-ASTFE Heat and Mass Transfer Conference (IHMTTC-2017), BITS Pilani, Hyderabad Campus, 27-30 December 2017.
 173. Sagar Singhal, Abhishek Gaikwad and Jeevan Jaidi, "2CFD Analysis of a Wickless Heat Pipe", 24th National and 2nd International ISHMT-ASTFE Heat and Mass Transfer Conference (IHMTTC-2017), BITS Pilani, Hyderabad Campus, 27-30 December 2017.
 174. Madhavi, B., and Jeevan Jaidi, "Influence of Strain Hardening Behaviour in Friction Stir Welded Joints of Aluminium-alloy Plates", 7th International Conference on Materials Processing and Characterization (ICMPC 2017), GRIET, March 17-19 2017, Hyderabad, Telangana.
 175. Prof. B. Mishra presented a paper on "An accelerating dark energy model with hybrid scale factor" in International Conference on Physical Interpretation of Relativity Theory held at Bauman Moscow State Technical University, Moscow, Russia during 3rd - 6th July, 2017.
 176. Prof. B. Mishra has presented a paper on "Cosmological model with dark energy anisotropy" in 9th Australasian Conference on General Relativity and Gravitation held at University of Western Australia, Perth, Australia, during 27th - 30th November, 2017.
 177. Dr. Manish Kumar presented a paper on "An optimal method in image encryption" in Advances in Dirac Equations, Variational Inequalities, Sequence Spaces and Optimization, II held at University of Central Florida, Orlando, USA during 23rd – 24th September, 2017
 178. Dr. Sumit Kumar Vishwakarma presented a paper on "Propagation behavior of Love waves in an orthotropic crustal layer lying over anisotropic mantle" in Recent Advances in Mathematical Science and its Applications (RAMSA-2017) held at JIIT, Noida during 12th – 14th December, 2017.

179. Dr. Sumit Kumar Vishwakarma presented a paper on "On Love frequency under the influence of shear moduli, initial stress and density of orthotropic half space" in SIAM Conference on Mathematical and Computational Issues in Geosciences held at Erlangen, Germany during 11th - 14th September, 2017.
180. Dr. N. Kishore Kumar presented a paper on "Spectral element methods for elliptic problems" in NDETC held at SRM University, Chennai during 8th - 9th December, 2017.
181. Dr. N. Kishore Kumar has presented a paper on "Canonical ranks of a function generated data on a uniform mesh in an interval" in HDA 2017 held at Sydney, Australia during 13th - 17th February, 2017.
182. A. Sajeli Begum, MTT assay-guided isolation of a cytotoxic lead from Hedyotis umbellata and its mechanism of action against non-small cell lung cancer A549 cells. International Conference on Drug Development Technology (Dubai), Oct 16-17, 2017, 19(10) Part VIII, 891.
183. A. Sajeli Begum, Microscopic analysis of Oldenlandia umbellata and Liquid chromatography-Mass Spectroscopy (LC-MS) Fingerprint of its constituents for species identification and characterization. International Conference on Drug Development Technology (Dubai), Oct 16-17, 2017, 19(10) Part VIII, 892
184. A. Sajeli Begum, Bioactive cyclic dipeptides of microbial origin in discovery of cytokine inhibitors (Keynote Talk). International Conference on Drug Development Technology (Dubai), Oct 16-17, 2017, 19(10) Part VIII, 888.
185. A. Sajeli Begum, A household-based survey of knowledge, attitudes and practices (KAP) towards dengue fever among four villages of Shameerpet Mandal of Ranga Reddy District of Telangana. 15th Annual Conference of Indian Association for Social Sciences and Health (IASSH) and National Institute of Rural Development and Panchayati Raj (NIRDPR), Hyderabad. Nov 16-18, 2017.
186. Swati Biswas, "Nanomedicines as photodynamic therapy in cancer". Podium presentation in a conference "Applied Nanotechnology and nanoscience International Conference" in Rome, Italy on October 18-20, 2017.
187. Swati Biswas, "Poly(lactide)-based polymeric micelles-mediated delivery of chlorin e6: An effective photodynamic therapy in cancer", Authors: Swati Biswas, Preeti Kumari, Shreya Jain, Balaram Ghosh. Presented in Kolkata healthcare Summit-2017 in Kolkata, West Bengal during 20-22 September.
188. Mary Priyanka Udumula , Mangali Suresh Babu , Audesh Bhat , Indu Dhar , Dharmarajan Sriram, Arti Dhar. Activation of double-stranded rna-dependent protein kinase pathway impairs insulin signaling in I6 muscle cells. Conference on Drug Discovery & Development focus on cancer and diabetes. March 16-17, 2017, NIPER, Hyderabad.
189. Suresh Babu Mangali, Mary Priyanka Udumula, Jaspreet Kalra, Arti Dhar. Activation of double-stranded rna-dependent protein kinase mediates palmitic acid mediated oxidative stress and apoptosis in cultured h9c2 cardiomyocyte. "International Conference on Challenges in Drug Discovery and Delivery (ICCD3 - 2017)". March 2 – 4, 2017 at BITS Pilani (Pilani Campus), Pilani, Rajasthan (India).
190. Jaspreet kalra, Mary Priyanka Udumula, Mangali Suresh Babu, Audesh Bhat, Indu Dhar, Arti Dhar. High fructose induces oxidative stress and apoptosis in cultured renal NRK-52 cells via activation of PKR pathway. International Conference on Challenges in Drug Discovery and Delivery (ICCD3 - 2017)". March 2 – 4, 2017 at BITS Pilani (Pilani Campus), Pilani, Rajasthan (India).
191. Mary Priyanka Udumula, Mangali Suresh Babu, Audesh Bhat, Indu Dhar, Dharmarajan Sriram, Arti Dhar. Activation of PKR impairs insulin signalling in skeletal muscle cells. Presented at Ramanbhai Foundation 8th International Symposium on current trends in health care on Feb 2-4, 2017, Gujrat, India.
192. Dielectric and ferroelectric characteristics of rare earth doped strontium bismuth tantalate ceramics for ferroelectric memory capacitor devices, **(Contributory Talk)** B. Rajesh Kannan, N. Jahangeer and **B. HariharVenkataraman**, 12th National Conference on Solid State Ionics, BITS - PILANI, Pilani, India, December 21 - 23, 2017.
193. Synthesis and structural characterization of a promising multiferroic (BiFeO₃) material for photovoltaic application, Waseem Ahmad, N. Jahangeer, Kannan Ramaswamy, Souvik Kundu and **B. HariharVenkataraman**, National Symposium on Convergence of Chemistry and Materials, BITS - PILANI, Hyderabad, India, December 21 - 22, 2017.

DUBAI CAMPUS

1. Shaikh Faisal Zaman, Khalil-Ur-Rahman, Shoaib Ismail, Prakash Kumar B G, Neeru Sood, Trupti Gokhale And Ramachandran S, "Optimization Of Growth Conditions For Biomass Production And Characterization For Bioenergy Applications" Current Trends in Biotechnology 2017 conference held in Manipal University Dubai on April 12-13, 2017. (Awarded the 3rd place overall for the poster presentation competition).
2. Subramanian S C A, Akshai A, Ramachandran S, Prakash Kumar B G*, " Optimization of macronutrient kinetics for biomass production in *Nostoc calcicola*", International Conference on Recent Advances in Material & Manufacturing Technologies (IMMT 2017) Nov 28-29,2017, BPDC, Dubai.
3. Dr. Meghana Charde presented a paper titled The State of our Schools in Dubai at EGBC (Emirates Green Building Council) roundtable discussion on 19, November 2017.
4. Varsha Venkatesh and R Swarnalatha,"Review and Simulation of Memristors using MATLAB and PSpice", IEEE International Conference on Electrical, Computer and Communication Technologies (IEEE ICECCT 2017). SVS College of Engineering, Coimbatore, Tamil Nadu, India during Feb 22 – 24, 2017.
5. Varsha Venkatesh and R Swarnalatha" Review and assessment of the rating scales of Parkinson's Disease" 3rd International Conference on Science, Engineering, Law & Management (ICSELM 2017), 25-26 November 2017 Dubai, UAE
6. Mohammed Shamroukh., Ihtisham Qasim Kalimullah., Alan Chacko., Shreya Sharad Barlingay.,V.Kalaichelvi and Adhir Baran Chattopadhyay., " Evaluation of Control Strategies in Semi-Active Orthosis for Suppression of Upper Limb Pathological Tremors"., Proceedings of IEEE International Conference on Innovations in Electrical, Electronics, Instrumentation and Media Technology.,pp.75-80., Dept of Electrical Technology., Karunya University., Coimbatore., Feb 3-4, 2017 (Ihtisham got best paper award while presenting this paper)
7. Arvind Desikan and V.Kalaichelvi., "ANFIS Modeling of Photovoltaic Systems to mitigate Partially Shaded Conditions" ., Proceedings of IEEE International Conference on Innovations in Electrical, Electronics, Instrumentation and Media Technology., pp.181-186.,Feb 3-4 2017. Coimbatore., Feb 3-4 2017.
8. Neetika Singhal., Nishank Singhal., V.Kalaichelvi., " Image Classification Using Bag Of Visual Words Model With FAST And FREAK"., 2017 IEEE International Conference on Electrical, Computer and Communication Technologies (IEEE ICECCT 2017)., SVS College of Engineering,pp.1144-1148.,Coimbatore,Tamil Nadu, India during Feb 22 - 24 .,2017
9. Lauren Alisha Fernandes., Aaditya Saraiya., V.Kalaichelvi and R. Karthikeyan., "Performance Evaluation of Digital Image Processing and Artificial Neural Networks for Weld Line Detection of Robotic Manipulator"., pp.933-938., 9th IEEE-GCC Conference and Exhibition 2017., May 7-10.,2017.
10. Ihtisham Qasim Kalimullah., Arvind Desikan and V.Kalaichelvi., "Analysis of A Proposed Algorithm for Point to Point Control of A 3 DOF Robot Manipulator"., IEEE Control,Automation ,Robotics(ICCAR 2017).,pp.289-292., April 22-24.,2017., Nagoya.,Japan.
11. Nishank singhal.,srishti and V.Kalaichelvi., "Application of Convolutional Neural Network to Classify Sitting and Standing Postures"., Proceedings of the World Congress on Engineering and Computer Science 2017 Vol I WCECS 2017, October 25-27, 2017, San Francisco, USA., ISBN: 978-988-14047-5-6.,ISSN: 2078-0958 ISSN:2078-0966.
12. Rohen Bhandhari and V.Kalaichelvi., "Analysis and Control Techniques for Two-Link Underactuated Manipulator"., IEEE International Conference on Engineering Technologies and Applied Sciences., Nov 29-Dec 1.,2017.,AMA International University.,Bahrain
13. Saraiya Aaditya Asit and V.Kalaichelvi., "Vision Based Forward Kinematics Using ANN for Weld-Line Detection with a 5-DOF Robot Manipulator"., Advanced Computational and Communication Paradigms (ICACCP)., Sikkim Manipal Institute of Technology (SMIT), Rangpo, Sikkim, Sep 8-10.,2017.,India.
14. Shamith L Saldanha1, V.Kalaichelvi and R Karthikeyan., "Prediction Analysis of Weld-Bead and Heat Affected Zone in TIG welding using Artificial Neural Networks"., International Conference on Materials and Manufacturing.,BITS Pilani,Dubai Campus., Nov 28-29.,2017
15. M. Raja, "Design of MIMO System with Individual Transmit Power Constraint and Improper Constellation" 12-th International Conference on Broadband and Wireless Computing, Communication and Applications, Barcelona, Spain, Nov. 2017 .
16. Dr. Mary Lourde R., attended the International Conference on Bioinformatics and Biomedical sciences-ICBBS 2017, NUS, Singapore, June 2017, and presented a paper titled "Time-Frequency Methods for Diagnosing Alzheimer's Disease Using EEG – A Technical Review" .
17. Dr. Mary Lourde R., attended International Union of Radio Science URSI –RCRS 2017 3rd Regional Conference on Radio Science, March 2017, Tirupati, organized by National Atmospheric Research Laboratory (NARL), Department of Space, Government of India, and presented the paper "Doppler Profile Estimation using Gaussian Wavelets".
18. Dr. Mary Lourde R., attended International Union of Radio Science URSI –RCRS 2017 3rd Regional Conference on Radio Science, March 2017, Tirupati, organized by National Atmospheric Research

Laboratory (NARL), Department of Space, Government of India, "Classification of Wind Profiler Power Spectra by Signature matching using Wavelet Transform".

19. Dr R Gomathi Bhavani presented the paper, "Assessment of Daylight Performance of a Commercial Office Space in Hot, Arid Climate for Enhanced Visual Comfort Conditions" at 2017 IEEE International Conference on Technological Advancements in Power and Energy (TAP Energy 2017), 21-23 Dec 2017, Amrita University, Kollam, Organized by IEEE Power and Energy Society, Kerala section.
20. Mukesh Singh Tomar and Shashank Khurana "Theoretical approach of determining Peak Heat release Rate in Road Tunnel Fires" 4th Arabian Tunelling Conference & 20th Gulf Engineering Forum. 21st-22nd February 2017, Dubai, U.A.E
21. Joseph Jeyasurya, Gayathri Krishnan and Shashank Khurana "Design and Performance Study of a Solar Operated AquaAmmonia Absorption Refrigeration System"International Workshop on Trends in Solar Power Generation and Energy Harvesting 27th-29th March 2017, Dubai U.A.E
22. .R.Udayakumar, Sadjot Biswal , Aravind prasanth and Sankaram "Design of steering system for a small Formula type vehicle using tire data and slip angles" 3rd International Conference on Vehicle Engineering and Design (ICVED 2017) July 1-3, 2017 Hongkong
23. Nandakumar Pillai, R Karthikeyan. Effect Of Deep Cryogenic Treatment On Aisi A8 Tool Steel And Development Of Wear Mechanism Maps Using Fuzzy Clustering International Conference on Materials and Manufacturing (IMMT 2017), 28-29 November, Dubai, UAE
24. Nandakumar Pillai, R Karthikeyan. Prediction Of Ttt Curves Of Cold Working Tool Steels Using Artificial Neural Network Model International Conference on Materials and Manufacturing (IMMT 2017) 28-29 November, Dubai, UAE
25. D.Purushothaman, Krishna Kaushik Yanamundra, Gokul Krishnan, C. Perisamy Finite element simulation and experimental verification of Cutting force in machining for 6068 Aluminum alloy, International Conference on Materials and Manufacturing (IMMT 2017) 28-29 November, Dubai, UAE
26. Krishna Kaushik Yanamundra, R Karthikeyan, Vishal Naranje Finite element simulation and Experimental verification of Incremental Sheet metal Forming International Conference on Materials and Manufacturing (IMMT 2017), 28-29 November, Dubai, UAE
27. Akshay Gidwani and Siddanth James, R. Karthikeyan, S. Vincent Effect of Entropy Generation on Wear Mechanics and System Reliability International Conference on Materials and Manufacturing (IMMT 2017) 28-29 November, Dubai, UAE
28. M Tomar and S Khurana, Road tunnel fires and tunnel lining material, International Conference on Materials and Manufacturing (IMMT 2017), 28-29 November, Dubai, UAE
29. Kesar Mal Kothari, Vishweshwar Samba, R. Udayakumar and Ram Karthikeyan Modeling and Computational Simulation of Cable Pulling Winch Machine International Conference on Materials and Manufacturing (IMMT 2017), 28-29 November, Dubai, UAE
30. Cherish Mani, R. Karthikeyan, S. Vincent A study on corrosion resistance carried out on welding 316L stainless steel with Monel 400 by GTAW process International Conference on Materials and Manufacturing (IMMT 2017), 28-29 November, Dubai, UAE
31. Shresh Kumar, Rebin Anvar, Wookha Ryu, E. S. Park, and S. Vincent Biocorrosion Evaluation on a Zr-Cu-Ag-Ti Metallic Glass International Conference on Materials and Manufacturing (IMMT 2017) 28-29 November, Dubai, UAE
32. G. Venkatesh, Divyank Sood, Apurbba Kumar Sharma A Fuzzy Logic Approach On Ultrasonic Assisted Abrasive Flow Machining International Conference on Materials and Manufacturing (IMMT 2017) 28-29 November, Dubai, UAE
33. Kiran Thomas, S. Vincent , Dipika Barbadikar, Rebin Anwar, Nevil Fernandes, Shresh Kumar, Corrosion Characterisation In Incoloy 925 And 110 Ksi Low Alloy Steel International Conference on Materials and Manufacturing (IMMT 2017) 28-29 November, Dubai, UAE
34. M.C. Subin, Jason Savio Lourence, Ram Karthikeyan , C.Periasamy Analysis of materials used for Greenhouse roof covering structure using CFD International Conference on Materials and Manufacturing (IMMT 2017) 28-29 November, Dubai, UAE
35. Sathish Kannan , Salman Pervaiz , S. Vincent , R. Karthikeyan Tool life and surface integrity aspects when drilling nickel alloy International Conference on Materials and Manufacturing (IMMT 2017) 28-29 November, Dubai, UAE
36. Waleed Qureshi, S. Vincent, Sathish Kannan R. Karthikeyan , Manoj Gupta, Vyasraj Manakari, Influence of Silica Nanospheres on Corrosion Behavior of Magnesium Matrix Syntactic Foams, International Conference on Materials and Manufacturing (IMMT 2017) 28-29 November, Dubai, UAE
37. Dipika R. Barbadikar, S. Vincent, A.R. Ballal, D.R. Peshwe, and M.D. Mathew Optimization of BI test parameters to investigate mechanical properties of P92 steel International Conference on Materials and Manufacturing (IMMT 2017) 28-29 November, Dubai, UAE
38. P Raja S Bojanampati, R Karthikeyan Effect of rotation speed and welding speed on Friction Stir Welding of AA1100 Aluminium alloy International Conference on Materials and Manufacturing (IMMT 2017) 28-29 November, Dubai, UAE

39. S Bojanampati, S Venugopal, R Karthikeyan, A Case study for comparing the feasibility of manufacturing implant using 3D printing and CNC machine, International Conference on Materials and Manufacturing (IMMT 2017), 28-29 November, Dubai, UAE
40. D.S. Robinson Smart, Joses Jenish Smart , C.Periasamy, Investigation Of Effect Of Rotary EDM Electrode On Machining Performance Of Al6061 Alloy, International Conference on Materials and Manufacturing (IMMT 2017), 28-29 November, Dubai, UAE
41. Shamith L Saldanha, V.Kalaichelvi and R Karthikeyan, Prediction Analysis of Weld-Bead and Heat Affected Zone in TIG welding using Artificial Neural Networks, International Conference on Materials and Manufacturing IMMT 2017 28-29 November, Dubai, UAE
42. S. Kasid , S. Kumar, Vishal .Naranje, Modelling and prediction of life of knockout bar of compound die, 20th International Conference on Advances in Materials and Processing Technologies, 11th to 14th December 2017, India
43. Ramakrishnan Raman, Dr. S. Vadivel and Dr. Benson, "A Framework for Cost-Effective Distributed Data Mining in academic institutions using Intelligent Agents", IEEE Conference on Information Technology Trends,2017, Higher Colleges of Technology, Oct. 2017,1.UAE.
44. Zaidali Khoja and Sujala D Shetty,"Hybrid Recommender System for College Courses", 2017 International Conference on Computational Science and Computational Intelligence (CSCI'17) Dec 14-16, 2017, Las Vegas, USA.
45. Thapa, A, Biswal,S, Sood,N, Ramachandran,S, Gokhale,T, Development of a biosensor using photobacterium spp. for the detection of environmental pollutants. BioSmart 2017, 2nd International Conference on Bio-engineering for Smart Technologies, Paris, 30th Aug -1st Sep 2017. (Poster presentation).
46. Zaman SF, Khalil-Ur-Rahman, Ismail S, Kumar BGP, Sood S, Gokhale T and Subramanian R, Optimization of Growth Conditions For Biomass Production And Characterization For Bioenergy Applications, Current Trends in Biotechnology-CTBT 2017, 12-13, April 2017, Manipal University Dubai (poster presentation).
47. Gokhale T, Alternate medicines practiced in Arab regions, International Conference on Ancient Science and Technology Retrospection and Aspiraitons (ASTRA 2017), 18th-19th Jan 2017, H.V. Desai College, Pune, India (oral presentation).
48. S Rajeswari, Sood, N, Gokhale T ,Ramchandran,S. Screening for sensitive and tolerance Barley Accessions to Salinity: A case study with 12 Accessions, Current Trends in Biotechnology-CTBT 2017, pp. 10, ,12-13th April 2017, Manipal University Dubai (oral presentation).
49. S Rajeswari, Sood, N, Sood ,N, S Arumugam, Identification of salinity stress tolerant proteins in Sorghum Bicolor Computational Approach, International conference on theoretical computer science & discrete mathematics (ICTCSDM 2016) springer international, LNCS 10398, pp 318-325,Dec 19-21 , 2016, AKCE, TN, India (oral presentation).
50. Leonardo Micheli, Eduardo F. Fernández, Greg P. Smestad, Hameed Alrashidi, Nabin Sarmah, Nazmi Sellami, Ibrahim A. I. Hassan, Amal Kasry, Gustavo Nofuentes, Neeru Sood, Bala Pesala, S. Senthilarasu, Florencia Almonacid, K.S. Reddy, Matthew Muller, Tapas Mallick (2017) A unified global investigation on the spectral effects of soiling losses of PV glass substrates: preliminary results during IEEE 44th Photovoltaic Specialists Conference (PVSC) from June 25-30,2017 ,Washington DC (Paper was presented by PI) Dr Ramachandran also worked with the data collection and analysis during the course of study but due to Author limitations, only PI from different organizations were mentioned (oral presentation).
51. SV. Divyarashmi, A.Somasundaram and S. Arumugam, Global Secure Domination in Graphs, International Conference on Theoretical Computer Science and Discrete Mathematics, 50-54, 19-21, Dec-2016. Kalasalingam University, Krishnankoil, India
52. S.Rajeswari, M.Indhumathy, A.Somasundaram, Neeru Sood and S. Arumugam, Identification of Salinity stress tolerant Proteins in Sorghum Bicolor -Computational Approach, International Conference on Theoretical Computer Science and Discrete Mathematics 318-325, 19-21, Dec-2016. Kalasalingam University, Krishnankoil, India
53. Seba Sara Varghese, Sundaram Swaminathan, Krishna Kumar Singh, Vikas Mittal DFT Based Simulation of H2S Gas Sensing Properties of Doped Graphene, Proceedings of the 3rd World Congress on New Technologies (NewTech'17) Paper No. ICNFA 103 ISSN: 2369-8128 DOI: 10.11159/ icnfa17.103 Rome, Italy – June 6 – 8,2017
54. Natesa Prasad, Energy Security as a subset of National Goals, International Conference in Delhi on Emerging Global Economic Scenario, 11 November 2017, New Delhi, Book chapter by Bloombury Publishers, Page 144
55. Sheetal Desai, Rao, A.S., Shazi Shah Jabeen and Waheed A. A Comprehensive Examination of Antecedents of Cultural Intelligence (CQ): A Comparison Between Third Culture Kids (TCKs) vs. Monoculture Kids, 3rd International Conference on Organization and Management, 19-20 Nov 2017, Abu Dhabi, UAE

Faculty Research Area

Pilani Campus:

Department	Name of faculty	Research Area
Biological Sciences	S.K Verma	Environmental & Microbial Biotechnology
	Ashis Das	Molecular Parasitology
	Shibasish Chowdhury	Computational Biology
	Jitendra Panwar	Environmental & Microbial Biotechnology
	Rajesh Mehrotra	Plant Biotechnology
	Pankaj Sharma	Plant Biotechnology and Biochemistry
	B. Vani	Environmental & Microbial Biotechnology
	Uma S Dubey	Cancer biology
	Prabhat Nath Jha	Environmental & Microbial Biotechnology
	Vishal Saxena	Molecular Parasitology
	Sandhya Mehrotra	Plant Biotechnology
	Shilpi Garg	Molecular Parasitology
	Rajdeep Chowdhury	Cancer biology
	Sudeshna Mukherjee	Cancer biology
	Sandhya Marathe	Host-Microbe Interaction
	Manoj Kannan	Computational Biology
	Meghana Tare	Chronic diseases
	SyamantakMajumder	Chronic diseases
	Manoj Kannan	Computational Biology
Chemical Engineering	Ajay Kr. Pani	Soft computing, Process Modeling, Process Control
	Amit Jain	Decentralized control of multivariable processes, Desalination and wastewater treatment techniques
	Arvind Kr. Sharma	Environmental Engineering, Fluidization, Adsorption, Biochemical Engineering, Separation Processes, Fluid Mechanics, Modeling and Simulation
	Banasri Roy	Biomedical Materials, Renewable energy, Nano catalysts, Fuel cell materials, Solar cell devices, Solar cell materials, Photocatalysts
	B V Prasad	Process Control, Proess, Modelling and Simulation, Educational Administration, Univeristy – Industry Collaborations
	BhanuVardhan Reddy K	Membrane Separations, Computational Fluid Dynamics
	Hare Krisna Mohanta	Advanced Process Control, Process Monitoring and Control, Modeling and Simulation, Reactive Distillation, Catalytic pyrolysis of petroleum for production of petrochemical feedstocks, Applied wavelet analysis
	Pradipta Chattopadhyay	Aqueous foam generation characteristics, Foam and foam modeling, Impact of surfactants on aqueous foam development, Delayed Coking operation in Petroleum Refining
	Priya C Sande	Computational Fluid Dynamics (CFD) simulation for gas-solid fluidization, Petroleum and Petrochemical industry practices
	Raman Sharma	Oxy-combustion CO ₂ capture using Chemical-Looping, Fluidized Bed Operations, Solid Fuel Combustion, Flue Gas Sampling, Particulate Matter Sampling, Emissions Trading under Clean Development Mechanism (CDM).
	Samir R Kale	Process Plant Safety, Design of Process Technologies, Mass and Health Integration.
	Santosh Khandagave	Chemical Engineering Process Modeling, Simulation and Optimization, Extractive metallurgy, Transport phenomenon, Energy and environmental engineering, Bio chemical engineering
	Sheth Pratik Nitinchandra	Biomass Gasification, Modeling and Simulation, Process Control, Computational Fluid Dynamics (CFD), Pyrolysis, Process Design
	Smita Raghuvanshi	Environmental Engg (Biofiltration of VOCs & metal ions) Environmental Engg (CO ₂ mitigation using biobased techniques using pure strain of algae & mixed culture), Environmental impact assessment of various processes, Life cycle assessment of process industries
	Srinivas Appari	Catalysis, Micro - Kinetic Modeling.

Chemical Engineering	Suresh Gupta	Environmental Engineering & Separation Processes, Removal of Pollutants Using Adsorption (Low-cost adsorbents, Nano-adsorbents), Bio-based Pollutant Removal Techniques (Biofiltration, Biosorption), Wastewater Treatment, Mathematical Modeling and Simulation of Chemical Processes, Computational Transport Phenomena, Environmental Management Systems (LCA, EIA), Energy Integration
Chemistry	Prof. S. C. Sivasubramanian	Physical Chemistry/Electron Paramagnetic Resonance
	Prof. Subit Kumar Saha	Physical Chemistry/Soft Matter
	Prof. Ram Kinkar Roy	Physical/Theoretical Chemistry
	Prof. Dalip Kumar	Synthetic Organic and Medicinal Chemistry
	Prof. Anil Kumar	Organic/Medicinal Chemistry
	Prof. Saumi Ray	Materials/Inorganic Chemistry
	Prof. Ajay Kumar Sah	Inorganic Chemistry/ Catalysis/ Biochemistry
	Prof. Bharti Khungar	Inorganic Chemistry/Catalysis/Green Chemistry
	Prof. Inamur Rahaman Laskar	Materials and Inorganic Chemistry
	Dr. Madhushree Sarkar	Supramolecular Chemistry and Crystal Engineering
	Dr. Prashant U. Manohar	Computational Chemistry Software Development
	Dr. Paritosh Shukla	Organic and medicinal chemistry
	Dr. Indresh Kumar	Organic synthesis & medicinal chemistry
	Dr. SurojitPande	Inorganic/Materials Chemistry
	Dr. Rajeev Sakhuja	Organic & Medicinal Chemistry
Dr. Shamik Chakraborty	Physical Chemistry	
Dr. Bibhas Ranjan Sarkar	Catalysis/ Materials/ Inorganic Chemistry	
Civil Engineering	Prof. Ashoke Kumar Sarkar	Transportation Planning, Rural accessibility and pavement maintenance
	Prof. Rajiv Gupta	Fluid Structure Interaction, GIS & Remote Sensing, Passive solar architecture, concrete technology
	Prof. Shamsher Bahadur Singh	Structural Engineering, Finite Element Modeling, Composite Structures
	Prof. Ajit Pratap Singh	Water Resources Management, Surface and Ground Water Quality Modeling using Numerical Methods & Soft computing techniques, Environmental Engineering and Pavement Management Systems
	Prof. Manoj Kumar	Finite Element Analysis of Structures, Post-peak behavior of Highway Bridges, Seismic analysis of shear wall structures
	Prof. Anshuman	Finite Element Methods, Computer Aided Design, Concrete Technology
	Prof. Ravi Kant Mittal	Geotechnical earthquake Engineering, Seismic design of foundations, Liquefaction of Soil, Ground Improvement techniques, Static & Dynamic behavior of soil reinforced with waste tire chip & fiber
	Prof. Anupam Singhal	Hazardous Waste Management, Advanced water & waste water treatment techniques, air pollution abatement and environmental impact assessment
	Dr. Kamallesh Kumar	Ground improvement techniques, geotechnical engineering
	Dr. Dipendu Bhunia	Performance Based Seismic Design, Earthquake Resistant Design of Structures, Concrete Technology, Energy efficient building
	Dr. S.N. Patel	Dynamic instability of laminated composite stiffened/unstiffened structures
	Dr. Shibani KhanraJha	Modeling and simulation of geo-thermal reservoir, Multi-phase flow modeling
	Dr. Amit Goel	Transportation engineering, Non-destructive testing and evaluation of pavement structures
	Dr. Prasanta Kumar Sahu	Transportation planning, freight transportation modeling, statistical analysis of highway/freight traffic data, traffic-weather modeling
	Dr. G. Muthukumar	Earthquake resistant analysis & design of concrete structures, non-linear finite element response analysis
	Dr. Durgesh Vikram	Traffic Engineering, Traffic flow theory, routing and scheduling of mass transportation systems
	Dr. Rajesh Kumar	Stability of Structures, Non-linear dynamics, Inverse problem of engineering, Structural health monitoring, Composite structures
Mr. R. Srinivas	Fuzzy logic application, optimization, modeling in Environment and water resource planning and management	

Economics and Finance	Krishna M	Employment, Small Business, Energy Economics, Public Policy.
	Geetilaxmi Mohapatra	Environmental, Energy and Development Economics
	Rajan Pandey	Volatility Modeling and Forecasting, Corporate Finance
	Arya Kumar	Entrepreneurship, Financial Management, Energy–Manpower Economics, Values in Management, Capital Markets, Banking
	NVM Rao	Parameter Identification and Estimation in SEM; Economics of Strategy; Financial Economics, Financial Inclusion, e-Governance & Digital Revolution; Behavioral Economics and Finance, Risk Management; Health Economics & Healthcare Management; Economic Development; Economics of Education
	Monika Gupta	Environmental Economics and Policy, Energy Economics, Transport Economics, and GHG Emissions
Department of Electrical and Electronics Engineering	Dr. Navneet Gupta	Device Modeling, Computational Material Science, Electromagnetics and Antennas
	Dr. Chandra Shekhar	VLSI, Embedded System, Microelectronics
	Dr. Anu Gupta	Low power Mixed Signal VLSI Design, HDL Synthesis and FPGA Architectures, Low Power Analog and Digital Circuits Design, ASIC Design
	Dr. V K Chaubey	Optical Wave Guides and Integrated Optics, Wireless & Optical Communication
	Dr. S Gurunarayanan	Embedded Systems, Digital Design, VLSI Architecture
	Dr. Surekha Bhanot	Virtual Instrumentation, AI Techniques in Instrumentation & Process Control, Biomedical Signal Processing
	Dr. Hari Om Bansal	Electrical Power System, Voltage Stability Analysis, Control System A I Techniques
	Dr. Hitesh DattMathur	Electrical Power Systems, AI Techniques in Power Systems, MATLAB in Power Systems
	Dr. Dheerendra Singh	Power Electronics, Power System, Hybrid Compensators, FACT and HVDC
	Dr. Karunesh Kr Gupta	Digital Signal Processing, Instrumentation
	Dr. Rajneesh Kumar	Electronics and Control, Soft Switching Invertors
	Dr. Abhijit Rameshwar	High Performance VLSI Data Path Design, Microprocessor Design, Micro-coded Controller Design, NBTI Degradation issues
	Dr. Praveen Kumar A.V	Microwave electronics - antennas and material characterization, Particle accelerators - RF cavity and beam dynamics
	Dr. Rahul Singhal	Polymer Waveguide, Optical Waveguide
	Dr. Sainath Bitragunta	Communication Systems, Modeling, Design, and analysis
	Dr. Arnab Hazra	Electronic Devices, Nanomaterials, Graphene, Chemical Sensor, Resistive RAM
	Dr. Anantha krishna Chintanpalli	Biomedical Signal Processing, Auditory Models, Digital Signal Processing, Speech Processing and Perception, Time-Frequency analyses.
	Dr. Pawan Kamalkish Ajmera	Signal Processing; Biometrics
	Dr. Nitin Chaturvedi	VLSI Design, Computer Architecture
	Dr. Nilanjan Chattaraj	Smart materials based devices and systems, Electromechanical devices and systems
Dr. AsutoshKar	Signal Processing, Adaptive Filters, Acoustics	
Dr. Vinay Chamola	Green Cellular networks, Internet of Things, Renewable energy powered systems	
Dr. Mahesh Angira	Microelectronics and VLSI	
HUMANITIES & SOCIAL SCIENCES	Dr. Gajendra Singh Chauhan	Applied Linguistics, Media Studies, Business & Advertising Communication, and Soft Skills
	Dr. Anil Rai	Science and Logic, working behind world wide music and its practical application in stage performances
	Dr. Anupam Yadav	Continental Philosophy Philosophy of Social Sciences
	Dr. Devika Sangwan	Feminism, Literature, Creative writing, Cinematic Adaptation
	Dr. Hari Nair	Intellectual History and Political Thought
	Dr. Kumar Neeraj Sachdeva	Normative Ethics; Ethical Issues in Professions; Indian Philosophy
	Dr. Kumar Sankar Bhattacharya	English Literature, Cultural Studies, Postcolonial Theory, Indian Writing
	Dr. Pushp Lata	English Language Teaching, Professional Communication, Language, Culture and Communication
	Dr. Rajneesh Choubisa	Psychology, Organizational Psychology, Positive Psychology, Online Behavioral Sciences

HUMANITIES & SOCIAL SCIENCES	Dr. SK Choudhary	Linguistics & Phonetics; ELT; Soft Skills
	Dr. Sailaja Nandigama	Environment & Development Studies, Political Science, Public Policy, Human Rights, Gender Studies
	Dr. Sangeeta Sharma	Advertising and Communication, Gender Studies
	Dr. Somdatta Bhattacharya	English Literature, Cultural Studies, Urban Studies
	Dr. Sunita Raina	Science and Technology Studies (STS), Sociology, Globalization Studies, Development Studies
	Dr. Sushila Shekhawat	Film Studies; English Literature; Mass Communication
	Dr. Tanu Shukla	Psychology; Education
Management	Dr. Virendra Singh Nirban	Technology Acceptance Behaviour, Technology enabled education and Communication, Computer Mediated Communication
	Leela Rani	Sustainable consumption, online brand equity and consumer behavior, retail & consumer behavior, services marketing and e-business productivity
	Anil K Bhat	Marketing research Methodologies/Multivariate Statistical Methods, Strategic Marketing/Social Media Marketing/Post Modern Marketing/Brand Management, Risk Management/Entrepreneurship/Innovation & Business Creativity, Indian Management/Business Ethics and Corporate Social Responsibility and Quality and Business Excellence/Supply Chain Management
	Anubha Dadhich	Leadership, Ethics, Culture and Organizational Behavior
	Arun Kumar	Relationship Marketing, Consumer Behavior and E-learning
	Jayashree Mahesh	Cross Cultural Comparative Management, International Human Resource Management, Managerial Communication, Indian Management - Management Practices of Indian and Global companies, Performance Management in Indian and Global companies, Management Practices in Higher Education Institutes and Understanding Career Path of Millennials
	Jyoti Tikoria	Technology Management, R&D Management, Entrepreneurship
	Neetu Yadav	Strategic Management, Sustainable Strategies, Campus Sustainability, Enterprise Performance Management and System Dynamics
	Praveen Goyal	Corporate Sustainability Assessment, Strategic Management and Marketing Performance, Value Co-creation
	Rajesh Matai	Facility Layout/Location Problem, Combinatorial Optimization Problems, Applications of Theory of Constraints and Meta-Heuristics like GA, SA and Tabu Search
	R. Raghunathan	Entrepreneurship, Health care, Strategy
	Sarvesh Satija	Organizational Behaviour, Positive Organizational Behaviour, Positive Psychology, Occupational Health Psychology, Indian Psychology, Business Creativity & Innovation
	Satyendra K Sharma	Supply chain management, Distribution management, Risk management, Project portfolio management, Best practices in project management, Supply and market intelligence
	Udayan Chanda	Marketing Models, Technology Leakage and Valuation, Inventory Modeling, Software Reliability Growth Modeling, Dynamic Optimization Techniques, Technology Credit Risk, Bayesian Network.
	Pratyush Banerjee	Human Resource Analytics, Expatriate Management, Human Resource and IT Integration, Cognitive Psychology, Recruitment and Selection, Employee Stress and burnout, Employee Engagement, Employability and job search, Leadership, Qualitative research
	Saurabh Chadha	Capital Structure, Working Capital Company Valuation, Mergers and Acquisitions, Asset Valuation, Investment Research, Corporate Finance and Related Areas
	Nirankush Dutta	Online Social Media Marketing, e-Commerce, Digital Marketing, Green Marketing
Surabhi Koul	Retailing, Category Management	
Mathematics	Balram Dubey	Mathematical Modelling
	C.B. Gupta	Statistical Inference, Operations research
	Rajiv Kumar	Differential Equations, Nonlinear Analysis
	P H Keskar	Algebra, Algebraic Geometry

Mathematics	Chandra Shekhar	Queueing theory, Fuzzy logic, Statistical inference
	Rakhee	Applied Probability Theory & Queueing Modelling
	B.K. Sharma	Computational Fluid Dynamics
	Shivi Agrawal	Fuzzy Set Theory, Neural Networks
	Trilok Mathur	Fractional Calculus, Geometric Function Theory
	Devendra Kumar	Singular perturbations, Numerical solutions of ODEs & PDEs
	Ashish Tiwari	Fluid Mechanics
	Sangita Yadav	Finite Element Methods
	Suresh Kumar	Cosmology
	Jitender Kumar	Algebra
	SumantaPasari	Probability and Statistics
	Krishnendra Shekhawat	Geometric Graph Theory, Computational Design
	Rajesh Kumar	Uncertainty Quantification, Low Rank Approximation of Tensors, Partial-Integro Differential Equations, Hyperbolic Conservation Laws
	Gurav Diwadi	Elliptic Partial Differential Equations
	G. Venkiteswaran	Numerical Solution of PDEs
	Padma Murali	Mathematical Modelling
Pharmacy	Dr. R. N. Saha	Pharmaceutics and Pharmacokinetics
	Dr. R. Mahesh	Medicinal Chemistry
	Dr. Hemant R. Jadhav	Natural Product Chemistry
	Dr. S. Murugesan	Medicinal Chemistry
	Dr. Gaikwad Anil Bhanudas	Pharmacology
	Dr. Rajeev Taliyan	Pharmacology
	Dr. Atish T. Paul	Natural Product Chemistry
	Dr. Anil Jindal	Pharmaceutics
	Dr. Deepak Chitkara	Pharmaceutics
	Dr. Sunil Kumar Dubey	Pharmaceutical Analysis, Pharmaceutics, Pharmacokinetics
	Dr. Anupama Mittal	Pharmaceutics
	Dr. Gautam Singhvi	Pharmaceutics and Pharmacokinetics
	Dr. Aniruddha Roy	Pharmaceutics, Drug Delivery
	Dr. Murali M Pandey	Pharmaceutics
	Dr. Sandeep Sundriyal	Medicinal Chemistry
	Ms. Archana Khosa Kakkar	Pharmaceutics
Physics	Dr. R. R. Mishra	Condensed Matter (Theory)
	Dr. D. Bandyopadhyay	Condensed Matter (Theory)
	Dr. Kusum Lata	Atomic Physics (Theory)
	Dr. Anshuman Dalvi	Condensed Matter (Experiment)
	Dr. D. D. Pant	Spectroscopy (Experiment)
	Dr. S. Sindhu	Condensed Matter (Experiment)
	Dr. R. Choubisa	Atomic Physics (Theory)
	Dr. R. K. Gupta	Condensed Matter (Experiment)
	Dr. V. Manjuladevi	Condensed Matter (Experiment)
	Dr. Srijata Dey	Condensed Matter (Experiment)
	Dr. Rishikesh Vaidya	Theoretical Particle Physics
	Dr. Niladri Sarkar	Condensed Matter (Theory)
	Dr. Navin Singh	Soft Condensed Matter (Theory)
	Dr. B. Layek	Theoretical Particle Physics
	Dr. Madhukar Mishra	Theoretical Particle Physics
	Dr. Kaushar Vaidya	Observational Astronomy
	Dr. Tapomoy G Sarkar	Theoretical Cosmology
	Dr.J.N. Bandyopadhyay	Complex systems
	Dr. S. Gangopadhyay	Condensed Matter (Experiment)
	Dr. A. Holkundkar	Plasma Physics

Computer Science & Information Systems	J. P. Misra	Computer Architecture, Embedded Systems & Robotics(File System related Issues for Real time and Embedded Systems, Electronic System Design) High Performance Computing and Distributed Systems(Distributed Computer Control System)
	Sudeept Mohan	Computer Architecture, Embedded Systems & Robotics.
	Navneet Goyal	High Performance Computing and Distributed Systems (HPC Framework for Data Mining) Artificial Intelligence; Machine Learning; Data Mining; Big Data Analytics - Domain Specific Computing Systems; Data Provenance for Relational and NoSQL Databases
	Shan Balasubramaniam	High Performance Computing and Distributed System(Distributed Computing and Service Oriented Architecture) Algorithms & Theoretical Computer Science(Programming Language Theory & Formal Methods)
	Mukesh Kumar Rohil	Image Processing & Multimedia(Multimedia Computing, Computer Graphics, Computer Vision, Image Processing, Geographical Information Systems).
	Poonam Goyal	Machine Learning, Data Mining (Parallelization of Data Mining Algorithms, Information Retrieval, Image Retrieval, Genome Sequence Assembly Algorithms, HPC Framework for Data Mining)
	Yashvardhan Sharma	Software Engineering - OOAD, Testing Sentiment Analysis - Text Summarization, Spam and Sarcasm Detection, NLP tools for Indian Languages Data Warehousing - ETL, Indexing Techniques Machine Learning based Systems Software Application Development.
	K. Hari Babu	Software Defined Networking, Network Function Virtualization, Cloud Computing, P2P Systems.
	Virendra Singh Shekhawat	Networking and Distributed Systems, Inter Robot Communication in Mobile Adhoc Networks, Delay Tolerant Networking, Software Defined Networking
	Vishal Gupta	Networking and Mobile Computing(802.11 networks and Multi Criteria Decision Making techniques within the domain of Vertical Handover in 3G-WLAN Interworking environment. Ranking algorithms of search engines).
	Vandana Agarwal	Pattern Recognition, Machine Learning, Computational Intelligence, Brain Computer Interface.
	Avinash Gautam	Embedded Systems & Robotics (Cooperative robotics), Distributed Computing, Distributed Artificial Intelligence, Agent Based Systems.
	Sundaresan Raman	Medical Image Analysis, Computer Graphics , Scientific Visualization.
	Abhishek Mishra	Algorithms & Theoretical Computer Science(Algorithms, Computational Complexity)
	Lavika Goel	Nature inspired intelligence, optimization algorithms, hybrid intelligent techniques, Soft Computing, artificial intelligence, remote sensing, image processing, machine learning, computational intelligence, pattern recognition.
	Kamlesh Tiwari	Machine Learning, Cognitive Computing, Computer Vision, Multimodal Biometric (Fingerprint, Face, Palmprint, Knuckleprint) and Security.
	Ashutosh Bhatia	Computer networks, Wireless Networks (WSN, MANET, VANET, BAN), Software Defined Networking, Network Function Virtualization and Internet of Things.
	Amit Dua	Computer Networks, Ad hoc networks, Network Security, Game theory.
	Mayuri A. Digalwar	Multi-processor/Multi-core Computer Architecture, Real Time Embedded Systems, Power Aware and Sustainable Computing.
	Shashank Gupta	Web Security (Script Injection Attacks, Cross-Site Scripting Vulnerabilities, BotNet Detection, Phishing), Fog Computing, Cloud Security, Block Chain Security, Online Social Network (OSN) Security.
Jennifer Ranjani J	Digital Image Processing, Remote Sensing, Medical Image Analysis, Data Hiding and Internet of Things.	

Mechanical Engineering	Souvik Bhattacharyya	Thermal Science & Natural Circulation Loops
	R.K.Mittal	Robotics
	Mani Sankar Dasgupta	Design, Simulation
	Kuldip Singh Sangwan	Manufacturing
	P. Srinivasan	Production Engineering
	Arun Maity*	Project Management, Manufacturing Excellence
	P. B.Venkatraman*	Decision analysis.
	Bijay Kumar Rout	Quality, Reliability, Operations Research and Robotics
	Abhijeet K Digalwar	Manufacturing Engineering and Management
	Srikanta Routroy	Supply Chain Management, Production Planning and Control, Optimization
	Manoj Kumar S Soni	Solar Thermal and Thermal Engineering
	Sharad Shrivastava	Biomedical Engg, Engineering Materials
	Ravi Shrikrishna Reosekar*	Manufacturing Organization and Management
	R P Mishra	Manufacturing Systems Engineering
	Pavan Kumar Potdar*	Materials Management, Manufacturing Management
	Naga Vamsi Krishna Jasti*	Lean Manufacturing
	Jitendra Singh Rathore	Nano System and Fluidics
	Sachin U Belgamwar	Materials Engineering and MEMS
	Amol M. Marathe	Nonlinear vibrations
	Sudeep Kumar Pradhan*	Supply chain Management, Operation Management
	Palla Murali	Solid Mechanics, Materials Science
	ArunJalan	Dynamics, Vibration
	Srinivas Kota*	Product Design, Life Cycle Assessment
	Tufan Chandra Bera	Manufacturing
	Shyam Sunder Yadav	Computational Fluid Dynamics
	Prateek Kala	Advanced Manufacturing Processes
	Girish Kant	Manufacturing Engineering
	Varun Sharma	Rapid Prototyping, Advanced Manufacturing Processes
	Akash Rai	Air pollution: measurements, modeling, and control
	Simanchal Kar	Surface coating and Manufacturing Technology
	Arindam Das	Nano Materials
	Venkatesh Kadbur Prabhakar Rao	MEMS, NEMS, Dynamics
	<i>Keyur B Joshi</i>	Fluid structure interaction
	Gajanand Gupta	Manufacturing, Reliability based Maintenance
Dinesh Wamanrao W.*	Thermal Engineering	
Uma Maheswari N*	Thermal Engineering	
Raghu Raman	Thermal Engineering	

Goa Campus:

Department	Name of faculty	Research Area
Biological Sciences	Utpal Roy	Applied and Theoretical Research on Antimicrobials
	Meenal Kowshik	Nanobiotechnology
	Judith Maria Braganca	Biodiversity and Biotechnology of Archaea
	M. Srikanth	Bioremediation
	Veeky Baths	Computational Systems Biology, Computational Neuroscience and Network Modeling
	Anasuya Ganguly	Cell and Molecular Biology
	Dibakar Chakrabarty	Drug leads from animal toxins
	Vijayashree Nayak	Tissue engineering, cancer biology
	Sumit Biswas	Structural Biology, Biophysics, Bioinformatics, Molecular Biology
	Angshuman Sarkar	Cell Biology, Cell and tissue culture technology, Cancer Biology, Nanotoxicology
	Malabika Biswas	Molecular Biology and Biotechnology
	Sukanta Mondal	Bioinformatics and Computational Biology
	Kundan Kumar	Plant Biotechnology
	Indrani Talukdar	RNA Biology, Stem cell research
	Arnab Banerjee	Biology of reproduction

	Raviprasad Aduri	Biophysics and Computational Biology
	Sandhya Mehrotra	Plant Biotechnology
	Rajesh Mehrotra	Plant Biotechnology
Chemical Engineering	SarojSundarBaral	Wastewater treatment using various processes like adsorption, anaerobic digestion and photocatalytic degradation. Extraction and purification of metals from ores and industrial waste using chemical and biological methods CO ₂ utilization and conversion
	Srinivas Krishnaswamy	Addressing challenges posed in developing practical cost effective, energy efficient and environment friendly systems from a commercialization point of view (Unmixed Combustion, Applied Process Thermodynamics, CO ₂ conversion to useful products, Process Intensification in Separation and reactor systems)
	Sutapa Roy Ramanan	Nano-biomaterials for labeling and drug delivery, electroceramicnano powders, thermal interface materials for electronic packaging, thin films for optical and electronic applications
	S. D. Manjare	Fuel Cell (High Temperature Proton Exchange Membrane), Supercritical Fluid Extraction (of natural products for either pharmaceuticals and nutraceuticals purpose), Life Cycle Assessment studies of the process plant, Environmental pollution control
	Manjuri Kumar	Synthesis and characterization of novel Chromium compounds using different chelating ligands. Advanced thermoset resin system. Development of composites based on polybenzoxazine and studying their thermal and mechanical properties. Removal of toxic substances using modified polymer.
	JegathaNambi Krishnan	Bio-MEMS – Microfluidic separation and detection technologies, Nanomaterials for sensor applications.
	AsimaShaukat	Rheology of lubricating greases, rheological dynamics of polymer-layered silicate clay nanocomposites, yielding behavior of jammed systems
	Dhanya Ram V	Process Control and Dynamics of MIMO systems, unstable systems, systems with inverse response, Process Identification, Modelling and Simulation, Process Optimization
	RajagopalVellingiri	Thin film flows, Wetting dynamics, Hydrodynamic instabilities, Low-dimensional modeling
	Vivek R	Bioprocess, Biosurfactants, Bioactives for cosmetic applications
	Pradeep Kumar Sow	Hydrogen production using thermochemical cycles, Fuel cell, Electro-electrodialysis, Electrochemical engineering, Materials with controlled wettability: fabrication and applications, Diagnostic system design.
	RichaSinghal	Nanomaterials, Electrochemical energy storage (EES) devices, CO ₂ Mitigation
	Anirban Roy	Membrane Separation, Biomedical Engineering, Water Treatment
	Sharad M Sontakke	UV/ Solar assisted photocatalysis, Catalysis, Value added materials from industrial waste, Solar cells, Polymeric and ceramic membranes, conducting metal oxide synthesis and applications
	Amol Deshpande	Unmixed combustion for heat transfer applications, Transport Phenomena, Computational Fluid Dynamics (CFD) and Reaction engineering (Modeling)
	ParulSahu	Phase Equilibrium Studies, Molecular Simulation , (Gas hydrates, Natural Gas, Polymers)
	Sutapa Roy Ramanan	Nano-biomaterials for labeling and drug delivery, electroceramicnano powders, thermal interface materials for electronic packaging, thin films for optical and electronic applications
S. D. Manjare	Fuel Cell (High Temperature Proton Exchange Membrane), Supercritical Fluid Extraction (of natural products for either pharmaceuticals and nutraceuticals purpose), Life Cycle Assessment studies of the process plant, Environmental pollution control	

Chemistry	Prof. A.P. Koley	Inorganic biochemistry, Coordination Chemistry
	Prof. Sunil Bhand	Biosensor, Environmental Analytical Chemistry, Biochips, Microfluidics for chemical analysis
	Prof. N.N. Ghosh	Nanochemistry and nanomaterials Polymer, Materials Science
	Prof. R.N. Behera	Molecular simulation of soft matter, electronic structure calculations
	Prof. Anjan Chattopadhyay	Computational Photochemistry (Radiative decay, fast non-radiative decay channels- conical intersections)
	Prof. Ranjan Dey	Thermodynamics and Transport properties of Liquid Mixtures, Excess Properties, New and Renewable Energy
	Prof. P. Bhavana	Synthetic porphyrin chemistry, Photochemistry and Bioinorganic chemistry
	Prof. R. N.Panda	Solid State Chemistry, Nano-technology, Nanochemistry and nanomaterials
	Prof. Halan Prakash	Photochemistry - Antimicrobial Photosensitiser, Environmental Chemistry- Advanced Oxidation Process, Bioinorganic -Bioconjugates Peptide and Protein Chemistry
	Prof. Mainak Banerjee	Heterogeneous Catalysis, Green Chemistry, Development of Chemosensors, Supramolecular Chemistry
	Prof. Amrita Chatterjee	Synthetic Organic Chemistry, Molecular sensors, Green Chemistry
	Dr. Tincy Thomas	Fluorescence and Photophysical Chemistry
	Dr. Rashmi Chauhan	Polymer Chemistry
	Dr. K.P. Jayadevan	Oxide Nanomaterials (Nanoparticles, Thin films), Computation of Thermodynamic properties of solvated (charged) species
	Dr. Subhadeep Banerjee	Synthetic Porphyrin Chemistry, Chemistry of Organic Chromophores
Dr. Tanmoy Mondal (DST INSPIRE Faculty)	Ultrafast relaxation dynamics of biomolecules – Photobiology, Excited state phenomena and Jahn-Teller effect	
Economics and Finance	Dr. Aswini Kumar Mishra	Applied Econometrics, Industrial Economics & Behavioural Economics
	Dr. Ch.V.V.S.N.V. Prasad	Operations Management, Strategic Management, Marketing, and Information Technology
	Dr. Debasis Patnaik	Social sciences, Financial Economics, Environment Economics
	Prof. Mridula Goel	International Economic order, Business environment, Entrepreneurship, Gender Issues
	Dr. Rajorshi Sen Gupta	Intellectual Property Management, Principal-Agent contracts, Transportation Economics, Simulation
	Dr. Sukumar Vellakkal	Macroeconomic policies and health; Impact evaluation; Universal healthcare
HUMANITIES & SOCIAL SCIENCES	Prof. BasavadattaMitra	Cross Cultural Communication in the Age of Globalization (Values,Tradition,Culture,Religion,Faith,Beliefs,Negotiation and Negotiating,Leadership) Renaissance Drama and William Shakespeare in Management Studies Adaptation of Literary Works in Cinema ELT: Non-Verbal Communication, Micro Expressions. Women Empowerment(Laws for Protection of Women and children)
	Prof. R. P. Pradhan	Development Economics /International Trade / International Business / Diaspora and Migration Studies / Maritime Economics / Poverty and Development Studies / International Strategic Issues/.
	Prof. Geetha B	Digital Humanities, Film and Literature Studies, Interface between Science Fiction and Philosophy, Integration of Liberal Arts and Engineering
	Dr. ReenaCheruvallath	Ethics, Cognitive Science, Philosophy of Mind, Education
	Dr. ShaliniUpadhyay	Spiritual Intelligence, Pedagogical Issues in Instructional Technology. Communication, Effective Public Speaking
	Dr. K. A. Geetha	Post colonial Literatures, Women studies, Dalit studies, Psychology, Culture studies, Literatures of the Marginalised
	Dr. Rayson K. Alex	Ecocriticism, Media and Ethnography, Ecodocumentary Aesthetics, Cinema

HUMANITIES & SOCIAL SCIENCES	Dr. NilakDatta	Postmodern theory, Tourism theory in relation to nationalism, Literary and Cultural Studies, Industrial Expositions in 19th century America, Theories of Nationalism, American Frontier (Theory, Fiction, Applications), Academic Writing (for research oriented students)
	Dr. Amitendu Bhattacharya	Poetry; Non-fiction Prose; Green Studies; Victorian and Twentieth Century English Literature; Indian Literature(s) in English; Comparative Studies and Translation.
	Dr. ParichayPatra	Cinematic transnationalism, modes of realism, global art cinema, 'slow cinema', cinephilia, histories of the film society movement in India, 1970s New Waves, methods and modes of film criticism.
	Dr. Sreejith K. K.	Epistemology - Virtue Epistemology, Social Epistemology Philosophy of Science - Role of values in science, Notion of Objectivity.
	Mrs. PragyanBarik	Corporate Social Responsibility and Business Ethics
	Mr. Solano Da Silva	Land use planning, Electoral Politics, Urbanisation, Development Policy
Electrical and Electronics Engineering	Raghurama G.	Communication Systems, Telecommunication Networks, Cognitive Radio, Software Testing,
	M.K. Deshmukh	Renewable Energy, Wind, SPV Electric Power Generation, Smart Grids
	K.R. Anupama	Network Embedded Systems - WSN, Vehicular Networks, Biomimetics
	Dipankar Pal	DSP, VLSI, RF Harvesting,
	Anita B. Agrawal	System study and simulation, System on chip, Embedded System prototype design using FPGA/PSoC., Sensors and data acquisition system
	A. Amalin Prince	FPGA based signal processing systems, VLSI signal processing architectures, Reconfigurable computing architectures and algorithms, MEMS and applications.
	Ramesha C.K	Device Modelling and Simulation, Microelectronics, VLSI Design
	Narayan S Manjarekar	Non-linear Control Systems, Control of Electrical Power Systems
	Nitin Sharma	Wireless Communication Systems, MU-MIMO Communications, OFDM systems, Femto cell networks, cognitive radios, SDR, Algorithms for engineering applications (Signal & Image Processing)
	ShashidharaMechaKotian	Power System Dynamics
	Gautam G. Bacher	Micro & Nano Biosensors, Impedimetric sensors & Electrochemical Impedance Spectroscopy
	Pravin Mane	VLSI Design, FPGA, Performance evaluation
	Sarang C Dhongdi	Underwater Acoustic Sensor Network
	Meetha V. Shenoy	Distributed Embedded Systems, Wireless sensor networks & Swarm Intelligence, Estimation & Optimization of Power dissipation in high speed VLSI systems
	Ch. S. Sankhar Reddy	Wireless Sensor networks
	ShailendraK Dhakad	RF MEMS Devices, Microwave Tubes, Tunable Filters, Communication & DSP Tools, Analog Design
	MetildaSagaya Mary N J	Instrumentation
	SudeepBaudha	Radio Frequency and Microwave Engineering
	HrishikeshSonalikar	Radomes
	Ashish Chittora	Microwave Engineering, Antenna design, Image processing
Jitendra Kumar	Development of advanced protection algorithms for transmission line protection in the presence of FACTS controllers, HVDC, Power Swing. Micro-grid Protection, Smart-grid Protection, Signal processing techniques used for Noise reduction in power System	
ChembiyanThambidurai	Wireless system design	
Mathematics	ALPESH D	Commutative Algebra, Graph Theory and Combinatorics, Algebraic Geometry
	MAYANK GOEL	Portfolio Optimization Problems. Financial Mathematics
	SHILPAGONDHALI	Algebraic Topology. Homotopy Theory
	ANIL KUMAR	Control Theory , Ordinary and Partial Differential Equation
	PRASANNA KUMAR	Geometric Function Theory, Approximation Theory Mathematical Geosciences

Mathematics	HIMADRI MUKHERJEE	Commutative algebra, Algebraic geometry, Graph theory Combinatorics
	P. DHANUMJAYA	Finite Element Methods, Numerical Analysis, Computational Partial Differential Equations, Mathematical Biology
	MANOJ KUMAR P.	Hyperbolic Systems of Partial Differential Equations Nonlinear Gasdynamics, Group Theoretic Methods for PDEs
	PRABAL PAUL	Cryptography, Number theory, Coding theory
	BIJIL PRAKASH	Linear Algebra, Image Processing, Genetic Algorithms, Integral Equations, Optimisation
	AKSHAY S RANE	Numerical Functional Analysis
	J K SAHOO	Statistical Learning Theory, Regularization of inverse problem and ill-posed problem.
	G SAMANTA	Cosmology, Inventory Models
	AMIT SETIA	Fracture Mechanics, Integral Equations
T. SINGH	Graph Theory	
Physics	Kinjal Banerjee	Classical and quantum gravity
	Gaurav Dar	Nonlinear Dynamics
	Prasanta Kumar Das	High energy Physics & Astrophysics
	P N Deepak	Nuclear Physics
	Tarun Kumar Jha	Nuclear Astrophysics
	Teny Theresa John	Condensed matter
	Toby Joseph	Condensed matter
	A V Kulkarni	Nuclear Physics
	E S Kannan	Condensed matter
	P Nandakumar	Nonlinear optics
	Ram Shanker Patel	Condensed Matter
	Raghunath Ratabole	High energy Physics
	V Sunil Kumar	High energy Physics
	Chandradew Sharma	High energy Physics
Radhika Vathsan	Quantum physics	
Computer Science & Information Systems	Ashwin Srinivasan	Data Science, Machine Learning: Inductive Logic Programming, Machine Learning and ILP to real-world problems: computational Biology, optimal search theory.
	Neena Goveas	Condensed matter physics, spin chains statistical models, Matter physics magnetic material
	Baskar A	Formal Languages and Automata Theory, Logic in Computer Science, Security Protocols and Verification
	Bharat M. Deshpande	Optimization, Data Mining
	Biju K. Raveendran	Real-Time/Embedded systems, Operating systems for multicore architectures, Energy Cache architectures
	Debasis Das	Computer Networks, Wireless Sensor Networks, Cloud Computing, Network Security
	Ramprasad Joshi	Formal theory of computing and Evolutionary computing
	S K. Sahay	Data Analysis, Numerical simulation, operating systems, Gravitational waves, Shell scripting
	Santonu Sarkar	Software engineering, Optimization of energy consumption- for distributed, virtualized and mobile platforms
	Rahul Thakur	Energy Efficient Femtocell Network, Device-to-Device Communication, Internet of Things (IoT), Vehicular Networks
	Swati Agarwal	Security Informatics, Social Computing, Machine Learning, Text Mining and Analytics, Information Visualization, Natural Language Processing
	Rizwan Praveen (Lect)	Software
	S.R.K.P Talasila (Lect)	Network science
	Sreejith V	Computer networks, wireless sensor networks
Tirtharaj Dash	Data Science	
Hemant Rathore	Networks	
Mechanical Engineering	D.M. Kulkarni	Fracture, Biotribology
	P.M. Singru	Dynamics, Vibration
	Shibu Clement	Experimental Aerodynamics
	Sachin D.Waigaokar	Rotational Moulding
	Ranjit S. Patil	Fluid-Thermal
	G. Karthikeyan	Micromachining
	Vikas V. Chaudhari	Fracture Mechanics
	Varinder Singh	Manufacturing System
	Gaurav Singh	Mechanics, Fracture
	Kiran D. Mali	Mechanics, Vibrations

Mechanical Engineering	Sandeep Jose	Solid Mechanics
	Sandeep Singh	Solid Mechanics
	Pritanshu Ranjan	Computational Fluid Dynamics
	Abhilash Tilak	SCNCL, Microchannel
	Ravindra Saluja	CAD/CAM
	Amal Siju	Manufacturing Engineering

Hyderabad Campus

Department	Name	Specialization
Biological Sciences	Suman Kapur	Genetic markers, Medicinal phyto-chemicals, Biomarkers and Medical devices
	Vidya Rajesh	Malaria vaccine candidates, Analysis of candidate genes for autism, Bioremediation
	V. Ramakrishna	Structural Biology; Protein Folding; Protein Engineering: Self-assembly/amyloids and nano- materials; Protein Modeling and Drug discovery
	Kumar Pranav Narayan	Gene delivery system, Indian medicinal plants for cancer therapeutics, Biodiversity analysis of agriculturally useful microorganisms, inter-strain competition of microorganisms of agricultural importance, Bacteriocin for development of biofertilizers
	Sankar Ganesh	Nano (eco) toxicology, Anaerobic digestion, Composting, Vermicomposting PHA production, Termigradation, Solid waste management, Algal biofuel, Technology for Pedagogy
	K. Naga Mohan	Human Molecular Genetics, Epigenetic mechanisms of development, Genetics of psychiatric disorders and Genetic diagnostics
	Jayati Ray Dutta	Microbial, Food and Environmental Biotechnology, Enzymology and Biotechnological applications, Bioenergy
	Sridev Mohapatra	Plant-microbial interaction, plant signalling, stress tolerance and induced stress resistance in plants
	Debashree Bandopadhyay	Structure function relationship in macromolecular assemblies including DNA, proteins and ligands both under normal and diseased condition
	Vivek Sharma	Role of lncRNAs and their associated RBPs in maintenance of genome stability, regulation of gene expression in cancer and modulating of host responses upon infection with Japanese Encephalitis virus.
	Gireesha T Mohannath	Epigenetics of Ribosomal RNA (rRNA) gene regulation and genomic instability, antiviral defense.
	Ruchi Jain Dey	Mucosal Associated Invariant T cells (MAITs), dysbiosis in various medical conditions, Development of point of care diagnostic tool to diagnose dysbiosis in clinical conditions such as pre-term birth, infertility, Genito-urinary TB, HIV and gut tuberculosis and Crohn's disease.
	Piyush Khandelia	Specific posttranscriptional regulatory processes, namely reversible RNA modifications i.e. epitranscriptomics and RNA degradation mediated by the RNA exosome multiprotein complex.
Chemical Engineering	I. Sreedhar	Process Development
	Srikanta Dinda	Petroleum Engineering
	D. Purnima	Polymer Science and Technology
	Balaji Krishnamurthy	Electro -Chemical Engineering
	Ramesh Babu Adusumalli	Pulp & Paper Technology
	Karthik Chetan. V	Material Science and Engineering
	Asma Ahmed	Bio-Chemical Engineering
	Vikranth Kumar Surasani	Mathematical Modelling and Simulation
	Lakshmi Sirisha	Bio-Chemical Engineering
Angan Sengupta	Continuum modeling of flames, confined and unconfined vapour cloud explosions, Optimal safe layout of fuel tank farms during fire spread, adsorption and desorption properties and hysteresis of fluids, thermodynamic phase properties and dynamic properties of nano-confined fluids.	
Chemistry	N.Rajesh	Environmental analytical chemistry
	K. Sumithra	Theoretical/Computational Chemistry
	K V G Chandra Sekhar	Medicinal Chemistry
	Krishnan Rangan	Inorganic Chemistry

Chemistry	Jayanty Subbalakshmi	Materials Chemistry
	Manab Chakravarty	Organophosphonates
	Anupam Bhattacharya	Synthetic Organic Chemistry
	Balaji Gopalan	Material Chemistry
	Ramakrishnan Ganesan	Materials Chemistry
	Amit Nag	Spectroscopy
	Sounak Roy	Material Chemistry, Catalysis
	Subhas Ghosal	Theoretical Chemistry
	Durba Roy	Physical Chemistry, Computation.
Tanmay Chatterjee	Development of New Synthetic Methodologies	
Civil Engineering	P N Rao	Structures
	K S Raju	Water Resources
	V Vinayaka Ram	Transportation
	A Vasani	Water Resources
	Jagadeesh Anmala	Water Resources
	Sridhar Raju	Transportation
	K Rajitha	Remote Sensing & GIS
	Murari R R Varma	Water Resources
	Chandu Parimi	Structures
	Mohan SC	Structures
	Anasua Guharay	Geotechnical
	Arkamitra Kar	Structures
	Sri Kalyana Rama J	Structures
Bahurudeen A	Concrete structures	
CS&IS	Chittaranjan Hota	Analytics, IoT, Networks, Security
	R.Gururaj	Databases, Information Systems, WSN
	N.L.Bhanu Murthy	Machine Learning, Software Intelligence & Engineering
	Anand M. Narasimhamurthy	Pattern Recognition, Optimization
	Tathagata Ray	Computational Geometry, Graphics
	G Geethakumari	Information security, Cloud Computing, Cloud Security
	Aruna Malapati	Big Data, Data Mining, Information Retrieval, Bio Informatics
	Barsha Mitra	Security Analysis of Access Control Models
	Suvadip Batabyal	Mobile Opportunistic/Delay Tolerant Networks, Visible Light Communication, Quantum Computing, Security with Scheduling in Real-Time Systems
	Subhrakanta Panda	Program Slicing , Change Impact Analysis Software Testing, Regression Testing, Software Metrics, Aspect Mining, Semantic Analysis, Graph Theory Applications, Security Testing, Cloud Computing
	Sudeepta Mishra	Radio resource allocation, Interference management. Heterogeneous cellular networks. Femto cells, mmWave communication in 5G cellular networks.
Surender Singh Samant	Data Mining, Information Retrieval	
Gokul Kannan Sadasivam	Networks Security	
Economics and Finance	Niranjan Swain	Finance
	China Hussain Yaganti	Macroeconomics, derivatives
	Durgesh Chandra Pathak	Development Economics
	Sudatta Banerjee	Growth & Development Economics
	Archana Srivastava	International Economics
	Swati Alok	Management
	Rishi Kumar	Poverty & Chronic Poverty, Decentralization ,Impact Evaluation, applied, Econometrics
	Thota Nagaraju	Financial Economics, Development Economics
	Dushyant Kumar	Conflict theory , Organization Theory
	Mini Thomas	International Trade in Services, Service Sector, and Global Value Chains, Macroeconomics, Economic Growth and Structural Transformation
	Bheemeshwar Reddy	labour economics, development economics and demography
Sunny Kumar Singh	Macro-Monetary Policy; Central Banking; Payment Systems; Economics of Corruption	
Electrical & Electronics Engineering	M. B. Srinivas	VLSI Arithmetic, Mixed Signal Design, Low power Design, Renewable Energy, Wireless Sensor Networks, Biomedical instrumentation, Tele- medicine, Reversible Computing, Signal Processing
	BVVSN Prabhakar Rao	Biomedical Signal Processing and Modelling of Organic materials for solar cells

Electrical & Electronics Engineering	Sanket Goel	Microfluidics, MEMS, Lab-on-a-chip, Nanomaterials, Nanofabrication, Medical Diagnostics, Point-of-Care devices, 3D printing, Fuel Cells (Biofuel Cells), Hydrogen, Solar, Smart grids, Decentralized and Distributed Generation.
	Subhendu Kumar Sahoo	VLSI architecture for Digital Signal Processing
	Alivelu Manga Parimi	Power Systems: FACTS, Power system stability, Power Quality
	Prasant Kumar Pattnaik	Photonics, Optical Communications, Photonic Integrated Circuits, MEMS
	Venkateswaran Rajgopalan	Human brain mapping using Magnetic Resonance Imaging (MRI), Transcranial Magnetic Stimulation(TMS), Electroencephalography (EEG), Positron Emission Tomography (PET), Biomedical signal processing (EMG, EEG, Motor Evoked Potential(MEP)), Biomedical Image processing (MRI functional MRI, diffusion MRI), Machine Learning, Graph Theory (brain network analysis).
	Runa Kumari	Dielectric Resonator Antenna, Log periodic Antenna, Reconfigurable Antenna, Microstrip antenna, Antenna Array.
	Sumit Kumar Chatterjee	Digital VLSI Design, Video Compression
	Souvik Kundu	Nanoelectronics; Semiconductor Physics and Devices; Thin Films; Materials for Electronics; Design & Fabrication of Nano/Micro-Electronic Devices, etc.
	Soumya J	Network-on-Chip (NoC) design Application-Specific Synthesis of NoC Reconfigurable NoC design.
	Surya Shankar Dan	Device physics of 'beyond CMOS' state-of-the-art device technologies and simulation Physics based nanoscale electronic device compact modeling for state-of-the-art VLSI IC designs Methodology / algorithms for characterization and numerical simulation of electronic devices
	Shaikshavali Chitraganti	Modeling, identification, control of Networked control systems, Switching systems, Statistical signal processing
	Syed Ershad Ahmed	VLSI Arithmetic Circuits, Low Power VLSI Design
	Chetan Kumar,	Computer Arithmetic, CNFET based Multi-valued logic design, Reversible Arithmetic circuits
	Ramakant,	Digital Image Processing, Computer Vision (HCI), Machine Learning, Signal Processing.
	Humanities and Social Sciences	Prasuna M G
Aruna Lolla		Communication Skills, Indian Philosophy and Spiritual Poetry
Maya Vinai		Indian English Fiction, Diasporic Fiction, Postcolonial Literature, Gender Studies
Santosh Kumar Mahapatra		Language Assessment
Sunny Jose G		Development Studies, Public Policy, Gender Studies
Biswanath Dash		Cosmology and Relativity, Modified Gravity
Mathematics	Dipak Kumar Satpathi	Mathematical Modelling of Biological Systems, Fluid Mechanics, Financial Mathematics
	Addepalli Ramu	Computational Fluid Dynamics
	Bivudutta Mishra	Cosmology and Relativity, Modified Gravity
	Kota Venkata Ratnam	Dynamic optimization, mathematical modelling neural networks
	Praveen Kumar P T V	Multivariate data analysis bio statistics
	Pradyumn Kumar Sahoo	Relativity, Cosmology, Dark energy
	A Michael Alphonse	Graph Theory
	Sai Lakshmi Radhika Tantravahi	Fluid Dynamics
	Manish Kumar	Pseudo-Differential Operators, Wavelet Analysis, Image Processing
	Jaganmohan Jonnalagadda	Discrete Fractional Calculus
	Sumit Kumar Vishwakarma	Seismic Wave propagation
	Naraparaju Kishore Kumar	Numerical solutions to partial differential equations
	Sharan Gopal	Topological Dynamics
N Anil	Discrete adjoint approaches for steady and unsteady flows (URANS/LES/DNS) Discrete adjoint approach for meshfree methods, Adjoint based error estimators and goal oriented adaptation in meshfree framework, Aerodynamic shape optimization, Optimal active flow control High performance computing	

Mechanical Engineering	Morapakala Srinivas	Thermal
	Nandanavanam Jalaiah	Thermal
	Amit Kumar Gupta	Production/Manufacturing
	Srinivasa Prakash Regalla	Manufacturing
	Kurra Suresh	Manufacturing
	Jeevan Jaidi	Thermal
	Y Venkat Daseswara Rao	Design Engineering
	N Suresh Kumar Reddy	Manufacturing
	Nitin Rameshrao Kotkunde	Manufacturing
	Sandip Shridharrao Deshmukh	Thermal
	Phaneendra Kiran C	Manufacturing
	Khalid Anwar	Thermal
	Amrita Priyadarshini	Manufacturing
	Sabareesh Geetha Rajasekharan	Design
	R Parameshwaran	Thermal
	Satish Kumar Dubey	Thermal
	Arshad Javed	Design
	Supradeepan K	Thermal
	Sujith R	Materials Science
	Ram Chandra Murthy Kalluri	Computational Fluid Dynamics and its Applications
Santanu Prasad Datta	Refrigeration and Air-Conditioning, Experimental Thermo-Fluid Science, Energy Monitoring, Compact Heat Exchangers, Dynamic System Estimation and Control, Thermal Issues in Automobile	
Pavan Kumar Penumakala	Simulation of metal casting processes, Thermal- mechanical modeling using FEM, Electrical- mechanical coupled problems	
Siva Prasad A V S	Computational Solid Mechanics , Fracture and Fatigue, Meshless Methods	
PHARMACY	D Sriram	Medicinal Chemistry
	P Yogeewari	Medicinal Chemistry
	Punna Rao Ravi	Pharmaceutics
	A Sajeli Begum	Pharmaceutical Chemistry (Natural Products)
	Venkata Vamsi Krishna Venuganti	Pharmaceutics
	Swati Biswas	Pharmaceutics
	Balaram Ghosh	Medicinal Chemistry
	Onkar P Kulkarni	Pharmacology
	Arti Dhar	Pharmacology
PHYSICS	P K Thiruvikraman	Computational Physics, Condensed Matter Physics
	Souri Banerjee	DNA Electronics
	Kannan Ramaswamy	Nanophotonics, Nanoplasmonics, Magneto-Optics
	Aravinda Narayanan Raghavan	Micro-fluidics, Polymer Nanocomposites
	B Harihara Venkataraman	Dielectric and Ferroelectric materials, Non-linear optical materials
	Meenakshi V	Soft Lithography, Micro and nano-fluidics, Molecular nanomagnetism
	V Satya Narayana Murthy	Magnetic thin films, Spintronics, Non-destructive testing of Materials
	Sashideep Gutti	General Relativity, Mathematical Physics
	K V S Shiv Chaitanya	Quantum Optics and Quantum Information, Mathematical Physics
	Asrarul Haque	Quantum Field Theory, Particle Physics
	Rahul Nigam	Astrophysics, Gravitation, Theoretical Physics
	Sarmishtha Banik	Nuclear Astrophysics

Dubai Campus:

Department	Name of the Faculty	Research Area
Biotechnology	Dr. R.N. Saha	Pharmaceutics and Pharmacokinetics, Nano particulate Drug Delivery Systems, Buccal Delivery Systems, Ocular Delivery Systems, Oral Novel Drug Delivery Systems, Pharmacokinetics, Bioavailability and Biodistribution Studies, Pharmaceutical Analysis, Computer Aided Drug Design
	Dr. D. J. Shariff	Environmental Biotechnology; Studies on photoreception; Ethological studies; Studies on nutritional values of animal tissues.
	Dr. Neeru Sood	Agricultural Biotechnology , Bioremediation, Biosensors, Nanoparticle synthesis & applications
	Dr. GokhaleTrupti Swarup	Biodegradable plastics, Bioremediation, Development of Biosensors, Synthesis of metal nanoparticles.
	Dr. S. Ramachandran	Environmental Biotechnology, Microalgal biodiversity, Photobioreactors, Carbon capture and sequestration, Agroforestry
	Dr. Namita Khanna	Biofuels
	Dr. Mainak Dutta	Metabolomics
	Dr. Pallab Sanpui	Nanotechnology
Chemical	Dr. Bharat BhushanGulyani	Process systems engineering, heat transfer, fluid engineering, process optimization.
	Dr. B G Prakash Kumar	Preparation and characterization of Activated Carbons, Separation Process, Solar Photocatalysis, Waste Water Treatment, Renewable Energies,
	Dr. Nishant Harishbhai Pandya	Technical computation & programming, Computer aided chemical engineering, Consequence modeling, Modeling of atmospheric gas dispersion of toxic/flammable materials, Global Sensitivity Analysis, Computer aided molecular design, Advanced techniques in wastewater treatment)
	Dr. Eldhose Iype	Thermo chemical energy storage, advanced functional polymers, energy and heat transfer at nano-scale level, nano-particles, force field fitting, parameter optimization at very high dimensional systems
	Dr. Rajib Ghosh Chaudhuri	Colloid and Interfacial Phenomena, Nanotechnology
	Civil Engineering	Ms. Sree Lakshmi Babu
	Dr. Meghana Charde	Passive Solar Archtitechre, Energy Efficient Building Design
	Dr. Sridhar G	Geotechnical Engineering
Computer Science	Dr. Vadivel S.	Web Services & Security; Enterprise Java applications; Pervasive Computing applied to Hospital Management System; Semantic web and web services; Windows and J2ME enabled mobile applications;
	Dr. Vijayakumar B.	Distributed Database Systems; Component Based Software Development; Web Mining Algorithms, Multimedia Information Retrieval
	Dr. Santhosh Kumar V	Data Mining, Computer Networks (Protocol Verification). Performance Evaluation of Computer Systems.
	Dr. Sujala D. Shetty	Big Data, Artificial Intelligence Applications, Machine Learning, Web Services, Network Security
	Dr. SiddhalingUrolagin	Machine learning, Pattern recognition, Data mining, Document image analysis, Bioinformatics, Big data analysis.
	Mr. Nand Kumar	Cloud Computing, Database efficiency, Website design, Website Application development
	Mr Gaurav Saxena	Machine Learning & AI
	Mr Saurabh Jain	Network Security & Computer network
Electrical & Electronics	Dr. Thomas T.G.	Speech processing for hearing impaired; Communication Theory.
	Dr. Anand Kumar	VLSI Design/Testing/Architectures, Microsystems; Telecom, Cloud, ICT; Project/Technology/Innovation Management.

Electrical & Electronics	Dr. Chattopadhyay A. B.	Electrical Machines and Drives; Power Electronics and Electromagnetic Fields and Waves, Control Systems and Power Systems
	Dr. Mary Lourde R.	Power Electronics & Drives, Digital Signal Processing, Applications of Image Processing, Digital Electronics and VLSI Design.
	Dr. JagadishNayak	Medical Image Processing and Communication.
	Dr. Raja Muthalagu	Signal Processing for Wireless Communications, Future Aeronautical Communication, Cognitive Radio Networks
	Dr. Abdul Rajak A R	Wireless Communications.
	Dr. R. GomathiBhavani	Intelligent Control in Buildings, Automated lighting Control, Energy Efficient Buildings, Simulation assisted light control, Daylighting control, Integrated lighting, Zero energy buildings.
	Dr. R. Swarnalatha	Biomedical Instrumentation; Fetal ECG extraction in early pregnancy. Process Control & Instrumentation ; Neural network & Fuzzy logic.
	Dr. V. Kalaichelvi	Process Control, Control Systems, Image Compression using Neural Networks, Fuzzy Classification, Modelling and Control techniques using ANN and Fuzzy applied to power electronic circuits, wind turbine, welding process, Robotics etc. ,
	Dr. Shazia Hasan	Wide-Area Visualization and Monitoring, Angle and Frequency Monitoring, Sinusoidal parameters, Statistical Filter Design, Non Linear System Identification, Signal Processing Application to Power Signals
	Dr. Vilas HaridasGaidhane	Image Processing, Control Techniques, VLSI Design.
	Dr. Sunil Thomas	Electrical Machines and Drives/ Power Electronics
Nilesh Goel	Semiconductor Devices. Characterization, modeling and Reliability. Reliability aware digital/analog circuit design. Compact modeling and circuit simulations. BTI, HCI, TDDB and SHE. Device variability and its impact on circuits. Memory (Flash, RRAM) characterization and reliability/performance modeling.	
General Sciences	Dr. Kavitha S. Jerath	EXAFS and XANES study of local ordering in metallic glasses like Fe-B, Cu- Zr systems and superconducting materials like YBaCu system.
	Dr. Priti Bajpai	Approximation Theory.
	Dr. R. Roopkumar	Crystal Growth, Biomaterials, Nanotechnology.
	Dr. S. Karthiyayini	Deep inelastic scattering of leptons on nucleons; Ultrasonic studies on molecular interactions of liquid mixtures; Elastic constants of nanomaterials using ultrasonic interferometer;
	Dr. B Muralidharan	Electroorganic; Environmental Chemistry; Textile Chemistry;
	Dr. K Kumar	Magneto hydro dynamics, Non-linear convection in cavities.
	Dr. K.K. Singh	Quark Gluon Plasma, MEMS/NEMS based Sensors, Nanoscience
	Dr. A. Somasundaram	Domination Theory.
	Dr. Geetha	Air, Water and Soil Pollutant analysis and control; Desalination and electrochemical water treatment studies.
	Dr. Maneesha	Sample surveys
	Dr. T K. Datta	Mathematical Modelling of Inventory Systems.
	Dr. Vijayallango	Heterogeneous catalysis, Studies on pillared clay catalysts, Environmental Chemistry.
	Dr. Amaranath G	Spectroscopy, Material Science and Laser Physics.
	Dr. Rajan R	Water Treatment; Corrosion and Antifouling paints.
	Dr. Rusal Raj	Biological activities (Antibacterial, antifungal and DNA binding) of metal complexes. Theoretical chemistry.
	Dr. S. Baskaran	Boundary layer flows with suction, injection and Heat Transfer Analysis.
	Dr. Suhail Ahmad Khan	Existence of solutions for certain equilibrium problems; Study of vector variational inequalities;
Dr. Shilpee Srivastava Saxena	Qualitative behaviour of solutions of functional differential and difference equations	

Humanities and Social Sciences	Dr.A.Srinivasa Rao	HRM, Organizational Behaviour, Leadership Development.
	Dr. Sartaj Rasool	Applied Macroeconomics and Policy
	Dr. Shazi Shah Jabeen	Phonology, Language Teaching Methods (Applied Linguistics), Middle East History, Business/ Technical Communication.
	Dr. Mrutyunjaya Sahu	Political Science
	Dr. Natesa Prasad	emerging area of finance literature with strong links to agency theory, capital structure, corporate governance and strategy
Mechanical Engineering	Dr. C. Periasamy	Multiphase flows, Laser optical diagnostics in fluid flow, Turbulent flows, Renewable Energy.
	Dr. R. Karthikeyan	Materials and manufacturing, Composite materials, Computer Aided Engineering, Modelling, Simulation & Control
	Dr.R.Udaya Kumar	Internal combustion Engines, Automobile Engineering, Alternate fuels, Renewable energy, Emission control, Heat and mass transfer.
	Dr. M.V.N. Sankaram	Condition Monitoring and Diagnostics Analysis of machinery, Machine Design, Kinematics of machines, Vibrations.
	Dr. Vishal Gangadhar Naranje	Artificial intelligence applications, to Manufacturing Engineering, Development of Expert System/Intelligent Systems for sheet metal die design, Sheet metal die design, Fatigue life prediction of sheet metal die, Industrial Engineering, Manufacturing Processes
	Dr. Vincent	Materials Engineering, Bulk Metallic Glasses, Biocompatibility Studies, Corrosion and Mechanical Properties, Thermodynamic Predictions
	Dr. Priyank Upadhyaya	Multi-scale modelling of composites
	Dr. Shashank Khurana	Experimental Fluid Mechanics, Bluff Body Aerodynamics, Flow Control and Visualization, Hypersonic Aerothermodynamics
	Dr. Gudipadu Venkatesh	Advanced Manufacturing Processes, Abrasive Flow Machining, Surface Engineering.
	Dr. Naveen Kumar Shrivatsava	Fuel Cell, Renewable Energy, Thermo-Fluid Analysis
	Dr.Snehaunshu Chowdhury	Thermal-Fluid Sciences



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Chancellor

Smt. Shobhana Bhartia

Pro-Chancellor

Prof. Souvik Bhattacharyya

Vice-Chancellor

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Prof. G Raghurama

Director, K.K. Birla Goa Campus

Prof. G. Sundar

Director, Hyderabad Campus & Off-Campus
Programmes and Industry Engagement

Prof. Ranendra N. Saha

Director, Dubai Campus

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Chief Financial Officer (on-deputation)

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Dean, Academic Research (Ph.D. Programme)

Prof. S. Balasubramaniam

Dean, Academic and Resource Planning

Prof. R. Mahesh

Dean, Faculty Affairs

Prof. Niranjana Swain

Dean, Practice School

Prof. S. Gurunaryanan

Dean, Admissions and Work Integrated Learning Programmes

Prof. Suman Kapur

Dean, International Programmes and Collaboration



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