Biographies

Brief Biography of the Candidate

AK Singh is currently a PhD Student in the Department of Computer Science & Information Systems at Birla Institute of Technology & Science (BITS), Pilani Campus, India. He is presently serving in the Indian Defence Forces. He received his B.Tech. degree in Communications and IT from JNU, India in 2004. He completed MS in Software Systems in 2011. His research interests include Web Mining, Web Security, Android Security, and use of Data Mining for Cyber Security applications. He is a member of IEEE. He has over 16 years of experience in the field of communication, IT and Cyber Security.

Brief Biography of the Supervisor

Navneet Goyal did his PhD from IIT Roorkee in 1995 in Mathematics. He joined BITS-Pilani in 1995 and has been there since then. He is currently a Professor of Computer Science. He served as HoD of the Computer Science department from 2011 to 2014. His research interests include Artificial Intelligence, Machine Learning, Data Mining, Big Data Analytics, High Performance Computing, & Multimodal Analytics. He has received two globally competitive research awards in the areas of AI and Big Data Analytics. He is a co-recipient of the Google Impact Scholar Award under their "AI for Social Good" initiative. The project, one among 30 projects selected globally, is related to reducing wildlife crime using AI. The award money is USD $10,000. He is also a recipient of the IBM Scalable Data Analytics Innovation Faculty Award 2010 under their "Smarter Planet Initiative". The award is in the area of Scalable Data Analytics for the research concept titled "Developing a Smart Crop Management System using Data Analytics". The award carried a cash prize of USD $15,000. He has completed one major funded project (funding amount – INR 1.20 crores) from Dept. of Electronics & Information Technology, Govt. of India, on "Developing a New Distributed Computing Solution for Data Mining". He is currently handling three research projects in the broad area of AI. He is Coordinator of the APPCAIR AI Research Center, BITS Pilani, Pilani Campus. The research center has been established with a funding of USD $1 million by BITS alumni.

He is also one of the founding members and currently the Coordinator of the Advanced Data Analytics and Parallel Technologies Lab. (ADAPT Lab.) at BITS-Pilani. He has successfully supervised 3 PhD students and is currently supervising 5 PhD students. At present, he is in-charge of setting up a Disruptive Technologies Lab. at BITS-Pilani. The labs' main objective is to solve societal problems which are at the intersection of disruptive technologies viz., AI/ML, Blockchain, & IoT.

Brief Biography of the Co-supervisor

Lt Gen (Dr) R S Panwar, SM, VSM (retd), has served in the Indian Army in various capacities. During his career, he has extensively handled assignments related to communication, networking and cybersecurity. He did his BTech in Telecommunication from MCTE Mhow, his MTech and PhD in Computer Science and Engineering from IIT Mumbai. His research interests include cybersecurity and networking technologies.