

Dr. Vijaya Kumar B. P pursued his Ph.D in Electrical Communication Engineering in 2003, Indian Institute of Science, Bangalore, M.Tech in Computer Science and Technology, India Institute of Technology, in 1993, BE in Electronics and Communication, First class with distinction, Mysore University in 1987. Presently he is a Professor, Information Science and Engg., Dept, M S Ramaiah Institute of Tech., Bangalore. His research interest Applying Computational Intelligence - to meet the future smart-network's requirement such as cognitive computing approaches for intelligent networks. Involved in designing an adaptable, reliable, scalable and stabilizable routing algorithms for mobile adhoc and sensor networks, and also includes mobility based issues and context-aware service strategies by using intelligent techniques, i.e., swarm & bio-inspired computing and Neural Networks to solve the optimization or/and function approx. problems in mobile networks for better services. He is having 33 years of Teaching and 20 years of Research experience. He has published around 70+ papers which include journals, conferences and project proposals. His name is listed in Marquis Who's Who in the World, and Marquis Who's Who in Asia, 2012,14. Recognized as mentor for Innovative projects at MSRIT for Nokia Mobile innovation lab., under university relations, Finland. Mobile app for testing the Mobile OS, by IT-BZ, Govt. of Karnataka, 2011, winner award for Smart India Hackthon 2018, 2019, Infosys Faculty achievement award. PROJECTS-PI and Co-PI for many research projects from Govt. like TIFAC, FIST DST; ICMR, Govt. of India, and industry projects, to name a few includes "Road Traffic accidents: A Comprehensive Emergency Care and Trauma Registry for Road Traffic Injuries in India-Bengaluru, Karnataka. and ii) Heart Rescue India, Govt. of India, National Task Project. iii) Co-PI for DST project on "Design and Development of a Low cost Portable Gait Motion analysis System" Rs. 55 Lakhs , ii) Chief Coordinator, TIFAC CORE in Pervasive Computing Technologies, Rs. 5.12 Crores, TIFAC, DST, New Delhi. Iii) Coordinator, DST-FIST program, Level I, Rs 24.7 Lacks, DST - New Delhi, 2007. iv) Co-ordinator, at MSRIT "Test Rig - Innovative International Industry collaboration: Condition Monitoring of Conveyor belt using embedded and monitoring systems" MOU with HoneyWell, CREATIVE PRODUCTS - * Designed a Neural Network computing tool for solving Linear programming problems, optimization; Classification, prediction and forecasting; and function approximation problems. *Developed a Graph search recursive algorithm for reachability analysis: Computer Network Protocol specification, verification and conformance testing. * Design and development of Intelligent adaptive applications having rural and social impact using mobile computing platforms, wireless networks and portable devices with the support of UG students.