

Faculty Competencies in correlation to specialization and curriculum:

S. No	Engineering Specialization	Relavant Courses	Competent Faculty Members
1	Modern Computing	Service Oriented Architecture, Cloud Computing, Grid Computing, Next generation Cloud, Parallel Computing, Quantum Computing, Storage Area Networks, Functional Programming using SCALA, Concurrency Models, Advanced Infrastructure Management, Pervasive Computing and relevant Mathematics , Programming and data structure, Software engineering and testing.	Dr. G. Sumathi Dr. V. M. Sivagami, Dr.N.GobalaKrishnan Dr.G.Sangeetha, Ms.A. Indumathi, Ms.N. Uma , Mr.V.Praveen Kumar,
2	Network and Cyber Security	Computer Networks, Mobile Computing, Wireless Networks, Design and Management of Computer Networks, Network programming, Network Performance Analysis, Network Protocols, Simulation of Computer Systems and Networks, 4G Technologies, High Speed Switching Architecture, Advanced Network Algorithms, Next Generation Networks, Convergence Technologies, Network Virtualization, Multimedia Communication Networks and relevant Mathematics Information Security, Ethical Hacking, Cyber Forensics, Security Principles and Techniques, Information System Security Engineering and Management, Digital Forensic Tools and Techniques and relevant Mathematics	Dr. T.Sukumar Mr.AR.GuruGokul, Ms.R. Saktheeswari, Ms.S. Jerusha, Dr.B.Prakash Ms. P. Nirmala
3	IoT and Cyber physical Systems	Internet Of Things, Information and Coding Theory, Digital Signal Processing, Ad hoc and Sensor Networks, Cognitive Radio Networks, Embedded & Real Time Systems, Multimedia Compression Techniques, Free and Open Source Software, Analog & Digital Communication, Computer Architecture, Digital Principles & System Design, Multicore Architecture, Sensing Techniques and Sensors, Wireless Sensor Networks , Robotics, Microprocessors, IT Essentials and relevant Mathematics	Dr. C. Yaasuwanth Ms.P. Leela Rani, Dr.K. Suresh, Dr.V. Rajaram, Ms.M. Sugacini, Mr.V. Ranjith
4	Natural Language Processing & Data Science	Data Science using Python, Statistical analysis using R- Programming, Business Intelligence, Bio Informatics, Deep Learning, Big Data Analytics, Computer Vision, Image Processing & Analysis, Paradigms of Algorithm Design and relevant Mathematics .Web Programming, Computational Intelligence, Information Retrieval, Text Mining, Social Network mining, Artificial Intelligence, Theoretical foundations of Computer Science, Advanced Databases, Speech processing & Synthesis, Graphics and Multimedia, Ubiquitous Computing, Human Computer Interaction, Data mining & Analytics, Automata and Compiler Design, Paradigms of Algorithm Design and relevant Mathematics	Dr. V. Vidhya Dr. N.Devi, Ms.B.T.Shobana Ms.,S. Kalavathi, Mr.E. Sivakumar Dr.D. Jayanthi, Ms.A. Kala, Dr. P. Sharon Femi, Ms.S.Aiswarya, Mr.A.Thiyagarajan, Ms.P.Meenakshi