Department of Electronics & Communication Engineering

Research Areas available for Ph. D. Guidance:

Automation, Signal Processing in VLSI, Speech Processing and Recognition, Image Processing, Fibre Optic Instrumentation and Communication, Photonics, Optoelectronic Semiconductor Devices, VLSI Design, Embedded System Design, RF/Microwave/Mm. Wave Filters/Circuits/Components design, analysis and synthesis. Metamaterials, Microwave propagation in any media, Smart, Reconfigurable, UWB and Fractal Circuits/Antennas, AI techniques in Microwave Circuits/Antennas, Antenna Design for SDR, Antennas for Wearable application and Wireless Communications, Microwave material characterization, EMI/EMC, Electromagnetics in Space, MIC, MMIC, Numerical Techniques, Monte Carlo Methods, Stochastic processes, Nonlinear Analysis, Wireless Communication, Cognitive Radio, Spectrum Sharing and Radio Resource management.