Thrust Areas of Research

S. No	Name of the Department	Thrust Areas of Research
1	Electrical & Electronics Engineering	• Power Electronics & Control • Power System Optimization • Renewable Energy & Micro-Grid/Smart-Grid • Application of Soft Computing in Electrical Engineering • Analog Circuit Design
2	Mechanical Engineering	• Fabrication and characterization of composite material • Production and Industrial Engineering • Automation and Automobile Engineering • Design and Simulation • Thermal and Fluid Engineering
3	CSE and allied branches including Computer Application	• Machine Learning • Artificial Intelligence • Image Processing • Computer Network • Web Security • Mobile Adhoc Network (MANET) • IOT • Data Mining / Data Analytics / Big Data /Statistical Analysis • Metaverse • Computer Network/ Web Security • Cloud Computing • Internet of Medical Things • Smart City Infrastructure • Real Trend Monitoring and Forecasting • Neural Network& Fuzzy Logic • Pattern Recognition & Image Processing • Natural Language Processing
4	Electronics and Communication Engineering	• RF/Microwave and Antenna Design • VLSI & Embedded Systems • Advanced Communication Technologies • Optics and Photonics

5	Applied Science and Humanities	• Materials Science: Multiferroics Materials, Dielectric Materials, • Glass Materials, Nano Composites, Nano Materials, solid Ionics • Optical Cryptography • Fuzzy logic, Fuzzy and Rough set theory, and Applications • Applied Cryptography • Analysis and Approximation • Special Functions and Functional Analysis • Finite Element Methods • Computational Fluid Dynamics • Operation Research • Heterocyclic Synthesis • Yield Synthesis