

Details of Departments and Area of Specialization

S. .No.	Department	Area of Specialization
1.	Bio Technology	Bioprocess Engineering, Microbial Biotechnology, Genetic Engineering, Cell and Tissue Culture, Bioinformatics, Enzyme Technology, Environmental Biotechnology, Immunology, Pharmaceutical Biotechnology
2.	Chemical Engineering	Transport Phenomena, New and Renewable Energy, Hydrocarbon Engineering, Upstream and Downstream Petroleum Technology, Energy Technology, Environmental Engineering, Chemical Process Safety, Process Dynamic and Control, Heat Transfer, Nanotechnology, Process Modeling and Simulation, Catalysis and Reaction Engineering, Computer Aided Design, Polymers, Thermodynamics, Membrane Separation Processes, New Trends in Chemical Engineering
3.	Civil Engineering	Structural Engineering, Geotechnical Engineering, Transportation Engineering, Environmental Engineering, Earthquake Engineering, Survey and Remote Sensing, Hydraulics and Water Resources
4.	Computer Science & Engineering	Computer Networks, Artificial Intelligence, Databases and Data Mining, Information Security, Digital Image Processing, Software Engineering, Natural Language and Image Processing, Scientific Computing, Software Systems
5.	Electronics & Communication Engineering	Biomedical Signal Processing, Medical Image Processing, ECG Signal Analysis/processing and its Interpretation, Heart Rate variability Signal Analysis/processing and its Interpretation, Digital and Image Processing and Its Applications, Filter Banks, Embedded Systems, Microprocessor & Microcontrollers, Signal Processing, Medical Imaging and Computational Modelling, Artificial Intelligence and Machine Learning, Soft computing, Computer Vision, Electronics and Communication Engineering, Electrical Engineering, Digital Communication Systems, Wireless Communication Systems, RF Circuits and Microwave Communication, Antenna Design, VLSI Design, Microelectronics, Nano Technology, Nano Scale Semiconductor Devices, Low Power VLSI Design, Microelectronics and VLSI Design, Cognitive Radios, Assisted Technologies, Instrumentation and Control Engineering, Electronics and Instrumentation Engineering.
6.	Instrumentation & Control Engineering	Control Theory and Applications, Robust Control, Robotics and Artificial Intelligence, High Speed Networks and Sensor Networks, Biomedical Instrumentation, Process Control, Intelligent Instrumentation and Control, Power System-Operation and Control, Biomedical Imaging and Signal Processing
7.	Industrial & Production Engineering	Production Engineering, Industrial Engineering Manufacturing Technology, CAD/ CAM & Automation, System Engineering and allied areas.

8.	Mechanical Engineering	Thermal Engineering, Design Engineering
9.	Textile Technology	Textile Engineering, Textile Technology, Textile Chemistry, Fibre Science, Garment Yarn Manufacturing, Fabric Manufacturing, Chemical Processing, Fibre Science, Garment Technology, Technical Textiles any other area of Textiles
10.	Mathematics	Operations Research, Finite Element Methods , Wavelet Methods, Statistics, Modelling and Simulations, Numerical Analysis, Applied Mathematics, Pure Mathematics, Graph Theory
11.	Humanities & Management a) Management b) English	a) Finance, Human Resource Management, Marketing b) English Communication and Soft Skills
12.	Physics	Plasma Physics, Nuclear Physics, Radiation Physics, Condensed Matter Physics, Particle Physics, Nano Materials/Nano Technology
13.	Chemistry	Physical, Analytical, Inorganic, Organic
14.	Training and Placement	Only post of Professor Training and Placement is there