



Department of Computer Engineering

Research Areas:

- 1) Distributed and Cloud Computing
- 2) Wired & Wireless Networks
- 3) Security (cyber & Information)
- 4) Pattern Recognition
- 5) Augmented and Virtual Reality
- 6) Database and Data Sciences
- 7) Internet of Things
- 8) Blockchain

Department of Information Technology

Research Areas:

- 1) Cloud Computing
- 2) Deep Learning
- 3) Computer Vision & Image Processing
- 4) Machine Learning & Data Science
- 5) Cyber Security and Digital Forensics
- 6) Networking & Internet of Things
- 7) Social Networking

Department of Electronics Engineering

Research Areas:

- 1) GPU Computing
- 2) Power Electronics
- 3) Fractional-order Modelling and Control
- 4) Broadband Communication and Wireless Networks
- 5) Digital Signal Processors
- 6) Control Systems
- 7) Robotics
- 8) Digital System Design
- 9) Optical Fiber Communication
- 10) Artificial Intelligence and Machine Learning
- 11) Signal and Image Processing
- 12) Biomedical Engineering
- 13) Renewable Energy
- 14) Embedded System & IoT
- 15) Analog VLSI Design
- 16) FPGA based Design

Department Electronics and Telecommunication

Research Areas:

- 1) Speech/Audio/Image /Video Signal Processing
- 2) Biomedical signal processing
- 3) Computer Vision
- 4) Electromagnetics, Microwave and Antennas
- 5) Control system and Robotics.
- 6) Communication Engineering
- 7) Network on chip
- 8) Wireless and Optical Network
- 9) Embedded System and IoT
- 10) Microelectronics and VLSI

Department of Instrumentation Engineering

Research Areas:

- 1) Industrial Automation
- 2) Process Control
- 3) Control System
- 4) Signal and Image Processing
- 5) Sensor Design and Electronic Instrumentation
- 6) Biomedical Instrumentation
- 7) Embedded Systems & IoT

Department of Engineering Sciences

Research Areas:

Sr. No.	Subject Name	Research Areas
1	Communication Skills	Application of Literary Theory, Interpersonal skills, Team building, Ethics and Corporate Communication, Organizational Behavior
2	Mathematics	Algebraic Number Theory, Graph Theory, Algebra, Image Processing, Topology, Approximation Theory, Applied Mathematics
3	Mechanics	Suppression of Thermo-acoustic Instability, Computational Fluid Dynamics, Biogas Technology, Supply Chain Management
4	Chemistry	Pharmaceutical chemistry, Spectroscopic characterization, phytochemical analysis, synthesis of chemical compounds and formulation of various products, Finite Element Analysis of free orthogonal cutting process
5	Physics	Nanomaterials and Nanotechnology - Metal and Metal Oxide Nanomaterials - Synthesis and



		<p>Characterizations - Thin Film Depositions</p> <ul style="list-style-type: none">- Chemical (Gas) Sensors Development - Glucose Sensor Development - Biomedical Applications- Photo-catalysis for dye degradation - Porous Nanomaterials for fuel cell applications- Super-capacitor - ZnO, SnO₂, TiO₂, Vanadium Oxide, Graphene and Transition metal doped Metal Oxides.- COMSOL Multiphysics
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