

KEYWORDS

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

- Machine Learning
- Big data Analytics
- Big data security
- Data Science,
- Soft Computing,
- Bioinformatics
- Sensor Network
- Computational Geometry
- Network & Routing
- Cognitive Science
- Network security
- Cryptography

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

- Microwave & Millimeter Wave
- Digital Communication
- Signal Processing

DEPARTMENT OF ELECTRICAL ENGINEERING

- Modelling and simulation of Thermal Power Plant and Nuclear Power Plant.
- Demand response management in Smart Grid.
- Study of deregulation in Power System.
- Grid integration of Solar System.
- Energy management in deregulated Power scenario.
- Economy and Grid stability in renewable energy integrated Power System.
- Bio-medical image processing.
- Energy Audit.
- Sliding mode Control.

DEPARTMENT OF MATHEMATICS

- Applied Mathematics
- Numerical Analysis
- Generalized Thermoelasticity
- Mathematical and Computational Methods

DEPARTMENT OF STATISTICS

- Statistical Computing
- Statistical Pattern Classification
- Biomedical Image Analysis

DEPARTMENT OF PHYSICS

- Monte Carlo Simulation of Cosmic Ray Air Shower
- Theoretical Modelling of Magneto-acoustic Waves in Solar and Solar-Terrestrial Atmosphere.
- Numerical Simulation of the set of Hydrodynamic Equations.
- Analysis of High Energy Gamma-Ray data indirect detection of Dark Matter in the Dwarf Spheroidal Galaxies.
- light- matter interaction, optical switching, electromagnetically induced transparency, slowing and stopping light.
- Detection of environmental pollutants utilising nano-particles
- Evaluation of superiority of various teaching interfaces for modern day applied physics.

DEPARTMENT OF CHEMISTRY

- DNA Damage
- Anticancer therapy
- Small molecule design & synthesis
- Ex-vivo array with different cancerous cells
- Human topoisomerase assay
- Physical Chemistry
- Biophysical Chemistry
- Protein fibrillation
- Spectroscopy

DEPARTMENT OF BIOTECHNOLOGY

- Cancer
- Cell Biology
- Cell Signaling
- Molecular Biology
- Cell Structure

DEPARTMENT OF MICROBIOLOGY

- Anaerobic
- Aerobic
- Electron transport chain
- Electron acceptor
- Bioenergetics
- PCR, RT-PCR
- Cryo-Electron Microscope

DEPARTMENT OF COMMERCE & ECONOMICS

- Indian Share Market
- Indian Primary Market
- Initial Public Offering (IPOS)

DEPARTMENT OF MANAGEMENT

- Strategic Management,
- Marketing Research,
- Organizational Restructuring.

- Technology branding & Innovation Management,
- Rural Development
- Human Resource Management

DEPARTMENT OF ENGLISH

- Indian Writing in English,
- Partition Studies,
- South Asian History and Culture.

DEPARTMENT OF MASS COMMUNICATION & JOURNALISM

- Media Literacy & Communication
- Media
- Censorship and Propaganda