



Department of Electrical Engineering

School of Engineering and Technology

Islamic University of Science and Technology

Powering Ideas for a Smarter, Sustainable Future

Established in 2012, the Department has expertise in Power Systems, Control Systems, Power Electronics, Smart Grids, Renewable Energy and AI applications in Energy.

Vision

To become a leading centre of excellence in Electrical Engineering through quality education, innovative research and sustainable technological solutions for society.

Programs Offered

- B.Tech (Electrical Engineering)
- M.Tech (Electric Vehicle Technology)
- Honours/Minor Specialization in
 - Energy Systems
 - Electric Vehicle Technology
- Ph.D. (Electrical Engineering)

Key Achievements

- 20 patents granted
- 100+ research papers
- 9 book chapters
- 4 Crore+ sponsored research
- Funding from DST, MHRD, ANRF and JKSTIC
- Strong collaborations with industry
- 50% placement in core sectors
- 20+ GATE and JKAS qualifiers
- 3 FDPs and 11+ workshops
- Collaborations with NIT Srinagar, DTU and JMI

Infrastructure and Facilities

Modern laboratories in

- Electrical Machines
- Power Systems
- Power Electronics
- Drives
- Control Systems
- Instrumentation

Dedicated laboratories

- Electric Vehicle Technology Lab
- Solar PV Skilling Lab

Specialized Facilities

- Dissectible Machine System
- 14 kW Grid-Tied and Hybrid PV Systems
- EV Drivetrain and Battery Management System
- PV/Battery Analyzers
- Irradiance Meters
- Software: MATLAB/Simulink, PSCAD, HOMER, ANSYS

Address

Department of Electrical Engineering, Academic Block - III, School of Engineering and Technology, IUST, Awantipora, 192122, Jammu and Kashmir.