

The Electrical & Electronics Engineering Department has the state-of-the-art laboratories conducive to conduct experiments. They include:

- A.C. & D.C. Machines Laboratory
- Electrical Drives Laboratory
- Power Electronics Laboratory
- Microprocessor and Microcontroller Laboratory
- Power Systems Laboratory
- Simulation Laboratory
- High Voltage Testing Laboratory
- Control System Laboratory

In addition, facilities such as 300kV,300kVA AC Test Transformer, 280kV Lightning Impulse Generator, 140kV Switching impulse generator, 100kV AC and 140kV DC Test Transformers, 60kV Transformer oil test kit, 60kV Partial discharge meter, Hot air oven, Measuring and calibration Sphere, Compensating reactor, Vacuum and pressure vessel chamber, Vacuum pump and air compressor, Arbitrary function generator, PLC based regenerative load test setup for Induction motor connected back to back, Computer Controlled Industrial Drives, for AC & DC, Power Quality Analyzer and Power Electronic System Simulator.

The Power Systems laboratory has augmented with facilities such as Generator Protection Simulation Study Unit, Transformer Protection Simulation Study Unit, Three Phase Energy Meter Test Bench, Relay Test Set, Electro Mechanical Type Over Current & Earth Fault Relay, Micro - Controller Based Over Current Relay, Under Voltage Relay, Negative Sequence Relay Trainer Units.

Software packages like MATLAB Academic Package, OrCAD, PSPICE, PSCAD, ETAP are available in the department for students and faculty.



