

About Electrical Science Lab: Department of ECE offers one laboratory course of Electrical Science to all the branches (ECE, CSE, IT, ME, ASH) of first year undergraduate course and courses of Network Analysis & Synthesis, Electronics Measurement and Instrumentation mainly to ECE students. In this lab, experiments are conducted which include study of various laws of electrical energy like thevenin's theorem, Norton's theorem, Maximum Power transfer theorem, Reciprocity theorem etc, analysis of AC and DC circuits, study of different network techniques like Z-, Y-, ABCD, H-parameters, study of characteristics of different types of transducer, photo transistor, photo voltaic cell, photoconductivity cell, PIN photodiode, analog and digital multimeter, ammeter, voltmeter.

The lab is equipped with the AC and DC power supplies, auto transformer, oscilloscope, function generator, multimeter, voltmeter, wattmeter, ammeter, digital portable meter, energy meter, D/A to A/D converter, transmission line kit, Integrating differentiating clamping circuit kit, LCR meter, rheostat, AC motor position controller, DC motor, AC servo meter, advance PID controller, strain gauge trainer, optical transducer trainer, water level transducer trainer, LVDT and pressure trainer.