

ELECTRONIC DEVICES AND CIRCUITS LABORATORY

LAB INCHARGE : Mr.M.MUTHUKUMAR

Ms.S.HEMALATHA

DESCRIPTION OF THE LAB

In this lab, the students will acquire hands-on experience with electrical and electronic circuits. It gives knowledge of basic resistive circuits, natural and step responses of RLC networks and analysis of sinusoidal AC networks containing resistive, capacitive, and inductive circuit elements. Provide the students the experience of designing, constructing, testing, and debugging Electrical and Electronic circuits. It is designed to provide students with fundamental concepts of Electrical and Electronic Circuits for lab experience. Application of simulation tools (PSPICE/MATLAB/MUTISIM) to understand the circuit characteristics. The basic electrical laws and phenomena are demonstrated after being discussed in the electric circuit courses. It facilitates the students to design Electrical and Electronic circuits and to measure and document performance of electronic circuits.

MAJOR EQUIPMENTS

Regulated Power Supply: 0 –15 V D.C	10 Nos
Function Generator :	10 Nos
Single Phase Energy Meter	1 Nos
CRO (30MHz)	10 Nos
Digital Storage Oscilloscope (20 MHz)	1 Nos
Pspice / Matlab /other Equivalent software Package) with PC :	5

PHOTO

