

SHRI VISHNU ENGINEERING COLLEGE FOR WOMEN

(Autonomous)

Department of Electronics & Communication Engineering

Vishnupur, Bhimavaram - 534202

ELECTRONIC DEVICES AND CIRCUITS LAB

Laboratory-In-charge : Dr. K.PADMA VASAVI

Laboratory-Technician : Mr. A.SRIRAMA VARMA

OBJECTIVE:

The objective of this lab is to introduce the students about to provide an overview of the principles, operation and application of the basic electronic components, understand the characteristics of the active devices and frequency response of different amplifiers.

LAB EQUIPMENT:



Lab Equipment:

| S.No. | Item Description | Qty |
|--------------|--|------------|
| 1 | Stabilizer-(10 K VA 22 Amps) | 1 |
| 2 | Dual Trace Oscilloscope (30 M Hz) | 11 |
| 3 | Digital Multimeter - 3.5 Dig(Hand Held) | 22 |
| 4 | Function Generator (1 M Hz) | 14 |
| 5 | Variable Power Supply (RPS 0-30 V) | 12 |
| 6 | Decade Resistance Box | 18 |
| 7 | Decade capacitance Box | 21 |
| 8 | Decade Inductance Box | 17 |
| 9 | Analog Voltmeters(0-1V, 0-10V, 0-15V, 0-20V, 0-30V, 0-50V) | 89 |
| 10 | Analog Ammeters(0-50uA, 0-100uA , 0-200uA,0-2mA,0- 10mA, 0-30mA, 0-50mA,0-100mA) | 170 |