



CIRCUITS AND DEVICES LABORATORY

Laboratory In-charge : Ms. A. K. Thasleem Sulthana AP/ECE

Technical supporting staff: Ms. A.Rashmi Joyline



Snapshot of circuits and devices laboratory

Area of the laboratory: 95.12 Sq.m



Major Equipment:

- Cathode Ray Oscilloscope
- Function Generators
- Dual Regulated Power Supply

List of Experiments:

- Characteristics of PN Junction Diode
- Zener diode Characteristics & Regulator using Zener diode
- Common Emitter input-output Characteristics
- Common Base input-output Characteristics
- FET Characteristics
- SCR Characteristics
- Clipper and Clamper & FWR
- Verifications Of Thevinin & Norton theorem
- Verifications Of KVL & KCL
- Verifications Of Super Position Theorem
- Verifications of maximum power transfer &
- Verifications of reciprocity theorem
- Determination Of Resonance Frequency of Series & Parallel RLC Circuits
- Transient analysis of RL and RC circuits

Beyond the syllabus experiments:

- RC Phase Shift Oscillator

Utilization of the laboratory:

- Circuits and Devices Laboratory for I year ECE/II sem