



Department of Electronics and Communication Engineering

ELECTRONIC DEVICES AND ANALOG CIRCUITS LABORATORY

II B.Tech I Semester

Course Code: A223483

L	T	P	C
0	0	2	1

COURSE OUTCOMES:

After going through this course the student will be able to:

1. Outline the characteristics of different semiconductor devices.
2. Interpret the ripple factor, regulations of rectifiers.
3. Sketch the frequency response of small signal amplifiers.
4. Understand the concepts of UJT and observe its characteristics.
5. Design and analyze oscillator circuits.

Note: Minimum of 10 experiments:

1. Forward & Reverse Bias Characteristics of PN Junction Diode.
2. Zener diode characteristics.
3. Half Wave Rectifier with & without filters.
4. Full Wave Rectifier with & without filters.
5. Input & Output Characteristics of Transistor in CE Configuration
6. FET characteristics.
7. Clippers Clampers
8. UJT Characteristics
9. Frequency Response of CE Amplifiers
10. Frequency Response of Common Source FET amplifier.
11. Two Stage RC Coupled amplifiers
12. RC Phase shift Oscillator