

Semester IV

PAPER-1: Analog Electronic Devices & Circuits

Course Objectives:

This course will enable students to learn basic of semiconductor devices and design amplifier circuit by using transistor and operational amplifier.

Learning Outcomes:

By the end of this course, students will be able to

- Understand the working principles of BJT, JFET & MOSFET
- Design amplifier circuit by using transistors and Operational amplifiers
- Design Comparator, Adder, subtractor, basic filters Oscillator circuits by using Operational amplifiers