

EC8312 ELECTRONIC CIRCUITS AND DIGITAL LABORATORY

DETAILED SYLLABUS

OBJECTIVE:

- To practically train the student to study the characteristics of electronic components and circuits.

LIST OF EXPERIMENTS:

1. Characteristics of diode and clipper circuits.
2. Characteristics of Zener diode and Zener voltage regulator
3. Characteristics of BJT.
4. Characteristics of JFET
5. Application of BJT as an amplifier and switch.
6. Study of Basic Digital ICs.
7. Implementation of Adder and Subtractor circuits
8. Design of Code converters.
9. Study of Multiplexer and Demultiplexer.
10. Design and Implementation of Counters and registers