**Analog Electronic Circuits Laboratory**
**Code: EC394.**
Contacts: 3P
**Credits: 2**

1. Study of Diode as clipper & clamper

2. Study of Zener diode as a voltage regulator

3. Study of ripple and regulation characteristics of full wave rectifier without and with capacitor filter

4. Study of characteristics curves of B.J.T & F.E.T .

5. Construction of a two-stage R-C coupled amplifier & study of it's gain & Bandwidth.

6. Study of class A & class B power amplifiers.

7. Study of class C & Push-Pull amplifiers.

8. Realization of current mirror & level shifter circuit using Operational Amplifiers.

9. Study of timer circuit using NE555 & configuration for monostable & astable multivibrator.

10. Construction & study of Bistable multivibrator using NE 555.

11. Study of Switched Mode Power Supply & construction of a linear voltage regulator using regulator IC chip.

12. Construction of a simple function generator using IC.

13. Realization of a V-to-I & I-to-V converter using Op-Amps.

14. Realization of a Phase Locked Loop using Voltage Controlled Oscillator (VCO).

15. Study of D.A.C & A.D.C.