

JIS College of Engineering

Department of Electronics & Communication Engineering

Course Name: Analog Circuits Lab

Course Name: EC 393

Contact: 0:0:3

Credit:1.5

List of Experiments:

1. Design of RC coupled amplifier in CE mode & study of its frequency response using BJT.
2. Design of RC Phase shift oscillator using BJT and measurement of its output frequency.
3. Design of Wien bridge oscillator using BJT and measurement of its output frequency.
4. Design of class A & class B push-pull power amplifiers and measurement of its power conversion efficiency.
5. Study of single stage voltage amplifier & study of its frequency response using JFET.
6. Design of Integrator using OPAMP (IC-741) and study of its frequency response.
7. Design of Differentiator using OPAMP (IC-741) and study of its frequency response.
8. Design of low pass active filter using OPAMP (IC-741) and study of its frequency response.
9. Design of high pass active filter using OPAMP (IC-741) and study of its frequency response.
10. Design of Schmitt trigger circuit using OPAMP (IC-741) and study of its voltage characteristic.
11. Design of astable multivibrator using timer (IC-555) and measurement of its duty cycle.
12. Design of monostable multivibrator using timer (IC-555) and measurement of its duty cycle.
13. Innovative Experiments