

JIS College of Engineering
Department of Electronics & Communication Engineering

Course Name: Analog & Digital Communication System Lab

Course Code: EC 494

Contacts: 0:0:3 Credit: 1.5

List of Experiments:

1. Measurement of output power with varying modulation index of an AM signal (for both DSB-SSB).
2. Measurement of the demodulated output with varying modulation index of an AM signal (for both DSB-SC & SSB).
3. Measurement of power of different frequency components of a frequency modulated signal & the measurement of the bandwidth.
4. Design a PLL using VCO & to measure the lock frequency.
5. Study of pulse amplitude modulation (PAM) and demodulation.
6. Study of PCM and demodulation.
7. Study of Delta modulator and demodulator.
8. Study of ASK modulator and demodulator.
9. Study of BPSK modulator and demodulator.
10. Study of BFSK modulator and demodulator.
11. Study of QPSK modulator and demodulator.
12. Innovative project: Breadboard realization of digital communication circuit for voice communication.