



B. P. PODDAR INSTITUTE OF MANAGEMENT & TECHNOLOGY

Department of Electronics & Communication Engineering

Academic Year: 2018 - '19, Semester: Odd

Laboratory Name: Sir J. C. Bose Lab

Room No.: B 504

Course Name: Analog Communication Laboratory (EC591)

3 ECE 1st Semester

List of Experiments to be conducted



Sl. No.	Name of Experiment	CO	PO	PSO
1	Measurement of modulation index of an AM signal	1, 2	1	2
2	Double Side Band Suppressed Carrier (DSB-SC) Modulation and Demodulation	1, 2	1	2
3	Single Side Band Suppressed Carrier (SSB-SC) Modulation and Demodulation	1, 2	1	1
4	Measurement of power of different frequency components of a frequency modulated signal & the measurement of the bandwidth	4	2	2
5	Design a FM demodulator using PLL	1	3	2
6	Design a PLL using VCO & to measure the lock frequency	3	3	1
7	Measurement of SNR of a RF Amplifier	5	1	2
8	Measurement of Selectivity, Sensitivity, Fidelity of a Super Heterodyne Receiver	3	2	1
9	Study of waveforms for various functional points (output of RF, IF, video etc) of a Black & White TV Receiver	3	1	2
10	One Additional Experiment: a) Design of Pulse Width Modulation	1	3	2

	b) Design of Pulse Position Modulation c) Study of Voltage Controlled Oscillator			
11	One Micro Project: a) Design of 2 km FM Transmitter circuit b) Design of Cell Phone Detector c) Design of FM Receiver using Telescopic Antenna d) Design of Mighty Mike Transmitter (5W, 40mtr)	3	3	2