



B. P. Poddar Institute of Management & Technology
Department of Electronics & Communication Engineering



List of Experiments to be Conducted

Academic Year: 2018-19

Semester: 6th

Laboratory Name: Shannon Laboratory

Room No.: B 605

Course Name: Digital Communication Laboratory

Sl. No.	Name of Experiment	CO	PO	PSO
1.	Design, implementation and study of all the properties of 7-length and 15-length p-n sequences using shift register.	CO1	PO1,PO2, PO3,PO4, PO8,PO9,PO10,PO12	1,2
2.	Study of PAM modulation and demodulation.	CO2	PO1,PO2, PO3, PO8,PO9,PO10,PO12	1,2
3.	Study of PCM and demodulation	CO3	PO1,PO2, PO3, PO8,PO9,PO10,PO12	1,2
4.	Study of line coders: polar/unipolar/bipolar NRZ ,RZ and Manchester.	CO6	PO1,PO2, PO3, PO8,PO9,PO10,PO12	1,2
5.	Study of delta modulator and demodulator.	CO4	PO1,PO2, PO3,PO4, PO8,PO9,PO10,PO12	1,2
6.	Study of adaptive delta modulator and demodulator.	CO4	PO1,PO2, PO3,PO4, PO8,PO9,PO10,PO12	1,2
7.	Study of BPSK modulator and demodulator.	CO5	PO1,PO2, PO3, PO8,PO9,PO10,PO12	1,2
8.	Study of BFSK modulator and demodulator.	CO5	PO1,PO2, PO3, PO8,PO9,PO10,PO12	1,2
9.	Study of ASK modulator and demodulator.	CO5	PO1,PO2, PO3, PO8,PO9,PO10,PO12	1,2
10.	Study of QPSK modulator and demodulator.	CO5	PO1,PO2, PO3, PO8,PO9,PO10,PO12	1,2