

Digital Communication Laboratory

Semester - ODD (2019-20)

List of Experiments:

S. No.	Aim of Experiments
1	(a) To generate Delta modulated signal and Demodulation. (b) Determine the conditions for slope overloading and step size.
2	To study of Pseudo Random Binary Sequence (PRBS) and Generate various Line Codes i.e. Polar NRZ, Unipolar RZ, Bipolar Manchester.
3	To implement BPSK Modulation and Demodulation.
4	To implement Carrier Recovery using Square Loop Method and demodulate the BPSK Signal using the recovered carrier.
5	Implementation of FSK Modulation and Non-Coherent Demodulation.
6	Implementation of ASK Modulation and Non-Coherent Demodulation.
7	To implement Matched Filter Receiver for Rectangular Pulse Shaped Transmitted Symbols.
8	Performance analysis of BPSK/QPSK/QAM over AWGN channel.
9	Performance analysis of Linear Block Codes/Repetition Coding.
10	Performance analysis of Convolutional Encoding and Viterbi Decoding.