Date:- 11-Aug-2020

Course:- Digital signal processing 1:
Application

- Digital Communications and Appli:-

→ Introduction to digital communication
Systems

- Introduction
- The Success factors for digital commu-nication Systems
- The analog channel Constrains.
- The design problem

→ Controlling bandwidth and power.
- Introduction
- Unsampling
- fitting the transmitter spectrometer
- Noise and probability of error
- PAM and QAM

→ Transmitter and receiver:-
- Introduction
- Modulation and demodulations
- Design example.

- Receiver design
- Delay Compensation
- Adaptive equalization

→ ADSL :-
- Introduction
- ADSL design
- Discrete multitone modulation

→ Python Note books
- The telephone channel
- Simple data transmission