



Module PMRF-ISSS050/2022

Digital Communication

Name of the PMRF student

Jashaswini Bhuyan

Required background of the students taught

3rd and 4th year UG and PG students from
Electronics and Communication
Engineering Background

Online session coordinator

Will be chosen from the list of registrants



Image Credits: VectorStock

Schedule of the module

Start date: 22nd Jan 2023

End date: 5th Mar 2023 (Tentative)

Class Schedule: Sat and Sun, 3:00 pm - 5:00 pm (IST)

Details of the content of the module

1. Probability Theory Basics
2. Baseband Representation of Bandpass Signals
3. Uncoded Systems
 - a. Vector and Waveform Channels
 - b. Optimum Receiver Implementation
 - c. Probability of Error Calculation
4. Introduction to Information Theory
5. Coded Systems
 - a. Linear Block Codes
 - b. Convolutional Codes
 - c. Trellis Codes
6. Communication over Bandlimited Channels

Meeting link : Will be shared later

[Link](#)

Contact email ID: issf.forum@gmail.com

Registration link: Click [here](#)