

Course Name - Communication Engineering

Faculty Name - Prof. Surendra Prasad

Institute Name - IIT Delhi

Course Syllabus -

- 1 Introduction to Communication Engineering
- 2 Brief Review of Signals and Systems
- 3 The Hilbert Transform
- 4 Fundamentals of Analog Signal Transmission
- 5 Amplitude Modulation
- 6 Single Side Band, Suppressed Side Band & VSB Modulation
- 7 Superhetrodyne Receivers
- 8 Angle Modulations
- 9 Frequency Modulation Generation and Detection
- 10 Demodulation of Modulated Signals
- 11 Feedback Demodulators
- 12 FM Receivers
- 13 TV Transmission
- 14 Review of Probability Theory and Random Variables
- 15 Random Processes
- 16 Behavior of Communication System in the presence of Noise
- 17 PWM and PPM
- 18 Lecture Delta Modulation
- 19 PCM
- 20 Lecture