

NPTEL Video Lecture Topic List - Created by LinuXpert Systems, Chennai

NPTEL Video Course - Electronics and Communication Engineering - Digital Communication

Subject Co-ordinator - Prof. Bikash Kumar Dey

Co-ordinating Institute - IIT - Bombay

Sub-Titles - Available / Unavailable | MP3 Audio Lectures - Available / Unavailable

Lecture 1 - Introduction to Digital Communication
Lecture 2 - Sampling
Lecture 3 - Quantization, PCM and Delta Modulation
Lecture 4 - Probability and Random Processes (Part-1)
Lecture 5 - Probability and Random Processes (Part-2)
Lecture 6 - Channels and their Models (Part-1)
Lecture 7 - Channels and their Models (Part-2)
Lecture 8 - Information Theory (Part-1)
Lecture 9 - Information Theory (Part-2)
Lecture 10 - Bandpass Signal Representation (Part-1)
Lecture 11 - Bandpass Signal Representation (Part-2)
Lecture 12 - Digital Modulation Techniques (Part-1)
Lecture 13 - Digital Modulation Techniques (Part-2)
Lecture 14 - Digital Modulation Techniques (Part-3)
Lecture 15 - Digital Modulation Techniques (Part-4)
Lecture 16 - Digital Modulation Techniques (Part-5)
Lecture 17 - Digital Modulation Techniques (Part-6)
Lecture 18 - Digital Modulation Techniques (Part-7)
Lecture 19 - Digital Modulation Techniques (Part-8)
Lecture 20 - Digital Modulation Techniques (Part-9)
Lecture 21 - Digital Modulation Techniques (Part-10)
Lecture 22 - Probability of Error Calculation
Lecture 23 - Calculation of Probability of Error
Lecture 24 - Calculation of Probability of Error
Lecture 25 - Equalizers
Lecture 26 - Source Coding (Part-1)
Lecture 27 - Source Coding (Part-2)
Lecture 28 - Source Coding (Part-3)
Lecture 29 - Source Coding (Part-4)

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- Lecture 30 - Channel Coding
- Lecture 31 - Fundamentals of OFDM
- Lecture 32 - Conclusion