

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

NPTEL Video Course - Computer Science and Engineering - Computer Networks

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Co-ordinating Institute - IIT - Kharagpur

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

Lecture 1 - Emergence of Networks & Reference Models
Lecture 2 - Network Topology
Lecture 3 - Physical Medium - I
Lecture 4 - Physical Medium - II
Lecture 5 - Multiplexing (Sharing a Medium)
Lecture 6 - Telecom Networks
Lecture 7 - Switches - I
Lecture 8 - Pocket Switches
Lecture 9 - SONET/SDH
Lecture 10 - Fiber Optic Components
Lecture 11 - Routing and Wavelength Assignment
Lecture 12 - Protection and Restoration
Lecture 13 - Multiple Access
Lecture 14 - Token Based Mac
Lecture 15 - Data Link Protocols
Lecture 16 - Error Control
Lecture 17 - Stop & Wait Protocol
Lecture 18 - Satellite Communication
Lecture 19 - Ethernet - CSMA/CD
Lecture 20 - Modern Ethernet
Lecture 21 - Local Internetworking
Lecture 22 - Cellular Networks
Lecture 23 - Wireless Network
Lecture 24 - ATM
Lecture 25 - ATM Signaling, Routing and LAN Emulation
Lecture 26 - Introduction to Routing
Lecture 27 - RIP - Distance Vector Routing
Lecture 28 - IP version 4
Lecture 29 - IP Version 6 & Mobile IP

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- Lecture 30 - UDP & Client Server
- Lecture 31 - TCP
- Lecture 32 - IP Multicasting
- Lecture 33 - DHCP and ICMP
- Lecture 34 - DNS & Directory
- Lecture 35 - Congestion Control
- Lecture 36 - QOS & Multimedia
- Lecture 37 - Network Management
- Lecture 38 - Security
- Lecture 39 - FTP - SMTP
- Lecture 40 - HTTP