

Computer Networks

Course Covered

- Chapter 1: Introduction
- Chapter 2: Layered Tasks
- Chapter 3: Data and Signals
- Chapter 4: Digital Transmission
- Chapter 5: Analog Transmission
- Chapter 6: Bandwidth Utilization: Multiplexing and Spreading
- Chapter 8: Switching
- Chapter 10: Error Detection and Correction.
- Chapter 11: Data Link Control
 - 11.1, 11.2, 11.3, 11.4, 11.5

Course Covered

- Chapter 12: Multiple Access
- Chapter 19: Network Address: Logical addressing
 - 19.1.
- Chapter 20: Internet Protocols
 - 20.1, 20.2
- Chapter 22: Delivery, Forwarding and Routing
 - 22.1, 22.2, 22.3
- Chapter 23: UDP, TCP, SCTP
- Chapter 24: Congestion Control and QoS
 - 24.1, 24.2, 24.3, 24.4, 24.5, 24.6(Scheduling and traffic shapping)
- Chapter 25: DNS
- Chapter 26: Remote Logging, Electronic Email and File transfer