

Computer Networks

Faculty - Munesh

| Lecture | Topic | PDF | Video |
|-----------|--|------------------------|------------------------------|
| Lec 1 | Intro | Slides | Lecture 1 |
| Lec 2 | Computer Network Devices and Media | Slides | Lecture 2 |
| Lec 3 | Computer Network Devices | Slides | Lecture 3 |
| Lec 3- II | "" | "" | Lecture 3-II |
| Lec 4 | Open system Interconnection (OSI) | Slides | Lecture 4 |
| Lec 5 | OSI physical layer | Slides | Lecture 5 |
| Lec 6 | OSI physical layer | Slides | Lecture 6 |
| Lec 7 | Physical Layer Transmission Impairment & Performance Metrics | Slides | Lecture 7 |
| Lec 7-II | "" | "" | Lecture 7-II |
| Lec 8 | Digital to Digital Conversion or Line Coding | Slides | Lecture 8 |
| Lec 9 | Transmission Modes | Slides | Lecture 9 |
| Lec 10 | Bandwidth Utilization: Multiplexing and Spreading | Slides | Lecture 10 |
| Lec 11 | DataLink Layer , Flow Control , Stop and wait | Slides | Lecture 11 |
| Lec 12 | Flow control , Stop and Wait ARQ | Slides | Lecture 12 |
| Lec 13 | Problems on Stop and Wait | Slides | Lecture 13 |
| Lec 14 | Sliding Window and problems | Slides | Lecture 14 |
| Lec 15 | Go Back N and problems | Slides | Lecture 15 |
| Lec 16 | Selective Repeat and problems , Review of all protocols | Slides | Lecture 16 |
| Lec 17 | DataLink Layer Error Control (Parity,CRC) | Slides | Lecture 17 |
| Lec 18 | Checksum and Access Control | Slides | Lecture 18 |
| Lec 19 | Polling & CSMA/CD | Slides | Lecture 19 |
| Lec 20 | CSMA/CD , Binary Exponential BackOff Algorithm | Slides | Lecture 20 |
| Lec 21 | Problems on CSMA / CD and Backoff algo | Slides | Lecture 21 |
| Lec 22 | Token Passing, DTR and ETR | Slides | Lecture 22 |
| Lec 23 | Aloha-slotted;pure,Ethernet | Slides | Lecture 22 |

| Lecture | Topic | PDF | Video |
|---------|------------------------------|------------------------|----------------------------|
| Lec 24 | Switching | Slides | Lecture 24 |
| Lec 25 | Routing algorithms | Slides | Lecture 25 |
| Lec 26 | IP address, Casting | Slides | Lecture 26 |
| Lec 27 | CIDR,Subnetting | Slides | Lecture 27 |
| Lec 28 | Subnetting | Slides | Lecture 28 |
| Lec 29 | IPv4,Fragmentation,IPv6 | Slides | Lecture 29 |
| Lec 30 | Transport layer protocol-TCP | Slides | Lecture 30 |
| Lec 31 | TCP | Slides | Lecture 31 |
| Master | All slides in one file | Slides | - |