## **Computer Networks**

## Faculty - Munesh

| Lecture   | Торіс  | 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 | III  | 1111   | 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  | III  | 1111   | 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   |