➢ **The aim of this subject is to understand how the communication between networking device is being done and how data exchange between any points in the world.**

1. *This is one of the **most important subject** in your B.tech curriculum and it is very imp. For gate, placement and for getting into networking sector.*
2. This is very interesting subject when you imagine the practical examples.
3. *Reference 1*. **Forouzan B.** Book is the only book which you must have to follow try to finish as much as portion you can, start this subject from first day of your semester else it become difficult to finish out the portions.
4. Try to use the tools like *wireshark* and *Nmap* for practical if you get free time then.

…….**From Exam Point of View**…….

- Download previous year questions: http://dspace.cusat.ac.in/jspui/handle/123456789/14
- In my opinion followings are the important topics in each modules which you should cover:

   1. Topology, Transmission media, OSI model, Digital to Digital conversion, Analog to Digital and switching.
   2. Error Detection(CRC Link), Error Correction(Hamming code Link), Flow control(Sliding window protocol), Error control(Go Back and Selective Repeat), Bit Stuffing, CSMA/CD .
   3. IPV4 and IPV6(datagram) Routing Table, Routing Algorithms(DVR, LSR,OSPF).
   4. TCP and UDP(Segment and Difference), Congestion Control, HTTP, DNS, FTP, SNMP.

Links:
   1. **https://www.tutorialspoint.com/data_communication_computer_network/**
   2. **https://www.geeksforgeeks.org/computer-network-tutorials/**
   3. **https://www.studytonight.com/computer-networks/**
   4. **https://www.sanfoundry.com/computer-network-questions-answers/**