

NPTEL LINKS

Sem:-VI (ECE)

Subject: Computer Networks

Section	Topics covered	NPTEL LINK
A	Introduction to computer network, Examples, Network topologies, OSI reference Model, Services and protocols	http://nptel.ac.in/courses/106105081/1 http://nptel.ac.in/courses/106105081/2
B	History of TCP /IP, Layers, IP Addressing, ARP, RARP, ICMP, Application Layer, Domain Name System, Email – SMTP, POP, IMAP; FTP, NNTP, HTTP,	http://nptel.ac.in/courses/106105081/31 http://nptel.ac.in/courses/106105081/28 http://nptel.ac.in/courses/106105081/39
C	Introduction to LANs, Features of LANs, Components of LANs, Usage of LANs, LAN Standards, IEEE 802 standards, Channel Access Methods, Aloha, CSMA, CSMA/CD, Token Passing, Ethernet, Layer 2 & 3 switching, Fast Ethernet and Gigabit Ethernet, Token Ring,	http://nptel.ac.in/courses/106105081/19 http://nptel.ac.in/courses/106105081/20 http://nptel.ac.in/courses/106105081/21
D	Introduction of WANs, Routing, Congestion Control, WAN Technologies, Distributed, Asynchronous Transfer Mode (ATM)	http://nptel.ac.in/courses/106105081/23 http://nptel.ac.in/courses/106105081/24 http://nptel.ac.in/courses/106105081/25