

		SAGAR INSTITUTE OF SCIENCE & TECHNOLOGY DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING <u>STUDY MATERIAL</u> (Unit-4)	FORM NO	
BRANCH	CSE		REV. NO	
SEMESTER	VI		REV. DT	
SUBJECT/CODE : COMPUTER NETWORKS/ CS-602				

S.No.	Unit no.	Topic Name	Resources Links
1.	4	Network Layer: Need, Services Provided , Design issues	https://www.youtube.com/watch?v=aP346youQOk [Nptel]
2.	4	Routing algorithms: Least Cost Routing algorithm	https://www.youtube.com/watch?v=_SxlpxqIs-s [Nptel]
3.	4	Dijkstra's algorithm	https://www.youtube.com/watch?v=XB4MIexjvY0
4.	4	Bellman-ford algorithm	https://www.youtube.com/watch?v=FtN3BYH2Zes
5.	4	Hierarchical Routing	Tanenbaum, Andrew S. Wetherall, David - Computer networks-Pearson Education (2014) Page No. 378-380.
6.	4	Broadcast Routing	Tanenbaum, Andrew S. Wetherall, David - Computer networks-Pearson Education (2014) Page No. 380-381.
7.	4	Multicast Routing	Tanenbaum, Andrew S. Wetherall, David - Computer networks-Pearson Education (2014) Page No. 382-385 https://www.youtube.com/watch?v=TApIo_BiX6U
8.	4	IP Addresses (IPv4)	https://www.youtube.com/watch?v=5vbPS-KnhvI https://www.youtube.com/watch?v=H-R3KUPX1v4 [Nptel]
9.	4	ICMP	https://www.youtube.com/watch?v=jbCET7fn9aI [Nptel]
10.	4	IPv6	https://www.youtube.com/watch?v=FkaFr3cpg6U [Nptel]