



Charotar University of Science and Technology

Devang Patel Institute of Advance Technology and Research

Department of Computer Science & Engineering

Subject: Computer Networks Semester: 6 Subject Code: CS 362 Academic Year: 2022-23

Course Outcomes (COs) :

After completion of the course students will be able to:

- 1.** Analyse layered network architecture and passage of data over communication links
- 2.** Analyse delay models in Data Networks using Queueing Systems for messaging and delay sensitive applications
- 3.** Design and analyse routing algorithms for Internet and multi-hop autonomous networks
- 4.** Analyse flow and rate control algorithms between a sender and receiver in wide area networks
- 5.** Apply the network fundamentals to analyse performance
- 6.** Use key networking algorithms in simulation

Practical List

Sr. No.	AIM	Hrs	COs	POs	PEOs
1	Demonstrate the configuration of VLAN (Virtual LAN) using cisco packet tracer	2	1,6	1,2,3,5	1,4
2	Demonstrate the connection between two LAN connections with one router using cisco packet tracer	2	1,5,6	1,2,3,5	1,4
3	Demonstrate the static routing configuration between 3 routers using cisco packet tracer	2	1,3,5	1,2,3,5	1,4
4	Demonstrate the Dynamic routing configuration	2	1,3,5,6	1,2,3,5	1,4

	using RIP and OSPF protocol using cisco packet tracer				
--	---	--	--	--	--



5	Demonstrate the EIGRP and BGP protocol configuration using cisco packet tracer	2	1,3,5,6	1,2,3,5	1,4
6	Demonstrate the static and dynamic configuration of NAT using cisco packet tracer	2	2,3,5,6	1,2,3,5	1,4
7	Observing different cables and connectors, configuring Wifi Access Point.	2	1	1,2,3,4	1,4
8	Creating different topologies (using different types of medium) in Packet Tracer and NS-3.	2	1,2,3	1,2,3,5	1,4
9	Observing propagation delay using NS-3.	2	1,4,6	1,2,3,5	1,4
10	Observing queuing delay using NS-3.	2	1,2,4	5,9,10,12	2,3,5,6,7

Prepared By:

Ms. Bansari Patel Ms. Naina Parmar