VISVESVARAYA TECHNOLOGICAL UNIVERSITY "JnanaSangama", Belgaum -590014, Karnataka.



LAB REPORT on

COMPUTER NETWORKS

Submitted by

OM BHANDANKAR(1BM20CS101)

in partial fulfillment for the award of the degree of BACHELOR OF ENGINEERING COMPUTER SCIENCE AND ENGINEERING



(Autonomous Institution under VTU) BENGALURU-560019 October-2022 to Feb-2023 B. M. S. College of Engineering, Bull Temple Road, Bangalore 560019 (Affiliated To Visvesvaraya Technological University, Belgaum) Department of Computer Science and Engineering

B.M.S. COLLEGE OF ENGINEERING



CERTIFICATE

This is to certify that the Lab work entitled "LAB COURSE COMPUTER NETWORKS" carried out by OM BHANDANKAR(1BM20CS101), who is bona fide student at B. M. S. College of Engineering. It is in partial fulfillment for the award of Bachelor of Engineering in Computer Science and Engineering of the Visvesvaraya Technological University, Belgaum during the year 2022. The Lab report has been approved as it satisfies the academic requirements in respect of a Computer Networks - (20CS5PCCON) work prescribed for the said degree.

BMSC `	E, Bengaluru	BMSCE, Bengaluru
Inde	ex	
SI. Date No.	Experimen	t Title Page No
	nnecting	ng a topology and simulate sending a simple PDU from source to destination using hub and switch
– Destir	11/22 Configunation unreaction unreaction unreaction out,	
3 ^{01/}	12/22 Config	uring default route to the Router.
4 ^{15/}	12/22 Config	uring DHCP within a LAN in a packet Tracer.
5 ^{08/}	12/22 Config	uring RIP Routing Protocol in Routers.
6 ^{15/}	12/22 Demor	stration of WEB server and DNS using Packet Tracer.
7 ^{29/}	12/22 Write a	program for error detecting code using CRC-CCITT (16-bits).
8 ^{12/}	01/23 Write a	program for distance vector algorithm to find suitable path for transmission.
9 ^{12/}	01/23 Implem	ent Dijkstra's algorithm to compute the shortest path for a given topology.
10 ^{0:}	5/01/23 Write	a program for congestion control using Leaky bucket algorithm.
to ser	nd back the	TCP/IP sockets, write a client-server program to make client sending the file name and the server uested file if present.
1 2	02/02/23	Using UDP sockets, write a client-server program to make client sending the file name and the server to send back the contents of the requested file if present.









































































