



Vishnu Waman Thakur Charitable Trust's
VIVA Institute of Technology

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And Affiliated to University of Mumbai

ACCREDITED by NAAC with "B++" Grade

Academic Year: 2023-24

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Subject: Skill based Lab Course Networking with Linux Lab Course Code: MCAL26

Sr. No.	Problem Statement	Signature
1	Installation of NS3.	
2	Installation of NetAnim.	
3	Installation of WireShark.	
4	Write a Program to simulate Point-to-Point topology using NS3 and animate using NetAnim.	
5	Write a Program to simulate Star topology using NS3 and animate using NetAnim	
6	Write a Program to simulate Bus topology using NS3 and animate using NetAnim	
7	Write a Program to simulate Mesh topology using NS3 and animate using NetAnim	
8	Write a Program to simulate Hybrid topology using NS3 and animate using NetAnim	
9	Write a Program to simulate UDP server client using NS3 and animate using NetAnim.	
10	Write a Program to simulate DHCP server and n clients using NS3 and animate using NetAnim.	
11	Program to simulate FTP using TCP protocol	
12	Animate Three way handshake for TCP connection using NetAnim.	
13	Program to assign IPv4 Addresses in NS3	
14	Analyze the network traffic using WireShark.	
15	Analyze the performance parameters of network using Wire Shark	
16	Real Time Problem Solving: - a) TASK-1: implement of a network and generation of the real time throughput. b) TASK-2:Analyse the congestion and plot the graph of congestion window using NS3.	
17	Program to Simulate Wireless wifi-80211e-txop network.	
18	Program to simulate wifi-he-network.	