Xavier Institute of Engineering
Mahim, Mumbai 400016
Department of Information Technology
(Affiliated to University of Mumbai)

Certificate

This is to certify that **Soham Desai** of **Second Year Semester IV** of Information Technology Engineering having

Roll No. **11** has performed the experiments during academic year 2021-22.

Practical In-charge

Head of the department

Examiner

Principal

Date:05/05/2022
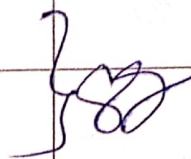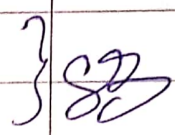
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Index of Experiments for **Network Lab** for the Academic Year **2021-22**

Sr. No.	Title of the Experiment	Date	Remarks
1	Execute and analyze basic networking commands	13/01/2022	
2	Installation and configuring of NS-2 simulator and introduction to Tcl using Hello program	20/01/2022	
3	Write TCL scripts to create topologies. Create and run traffics and analyse the result using NS2	27/01/2022	
4	Write TCL scripts for topology with Graphical simulation of traffic consideration (TCP, UDP) using NAM and plot the graph	03/02/2022	
5	Implement distance vector and link state routing protocols in NS2.	10/02/2022	
6	Study and Implement Socket Programming using TCP.	03/03/2022	
7	Study and Implement Socket Programming using UDP.	10/03/2022	
8	Study various network protocol analyser tools and analyse the network traffics using one of the network protocol analyser tools.	17/03/2022	

9	Perform remote login using Telnet Server	24/03/2022	
10	Case Study: (Group Activity):Design a network for an organization using the concepts of Addressing (IP Address Assignment), Naming (DNS) and Routing.	31/03/2022	
	Assignments		
1	NL Assignment-1	25/03/2022	
2	NL Assignment-2	08/04/2022	