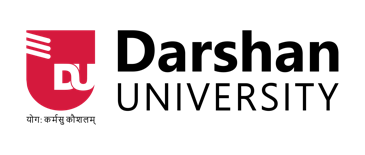
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**Darshan Institute of Engineering & Technology**

***Certificate***

**This is to certify that**

**Mr./Miss Kagathara Nirav G. Enrolment No. 22010101443, B.Tech. CSE Semester 5th has satisfactorily completed the course in the Subject *Computer Networks (2101CS501)* in this Institute.**

**Submission Date: \_\_\_/\_\_\_/\_\_\_\_\_\_\_**

**Staff in Charge Program Coordinator**

**\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Index**

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| --- | --- | --- | --- |
| Sr. | Title | Date | Sign |
| 1 | Study of basic networking commands and IP configuration. | 11/06/2024 |  |
| 2 | Study of different types of network cables & connectors and practically implement the cross-wired cable and straight through cable using clamping tool. | 18/06/2024 |  |
| 3 | Study of different network devices in detail. | 10/07/2024 |  |
| 4 | Installation of Network Simulator (Packet Tracer) and Implement different LAN topologies. | 12/07/2024 |  |
| 5 | Study the concept of VLAN using packet tracer. | 07/07/2024 |  |
| 6 | Study the application layer protocol DNS, DHCP, FTP. | 06/08/2024 |  |
| 7 | Study Client-Server Socket programming - TCP & UDP | 20/08/2024 |  |
| 8 | Study Packet capture and header analysis by Wireshark (TCP, UDP, IP). | 20/08/2024 |  |
| 9 | Study of IP Addressing and sub-netting. | 11/09/2024 |  |
| 10 | Study the concept of routing using packet tracer. (Static Routing) | 16/09/2024 |  |
| 11 | Study the concept of routing using packet tracer. (Dynamic Routing) | 16/09/2024 |  |
| 12 | To develop network using distance vector routing protocol and link state routing protocol. | 20/09/2024 |  |
| 13 | Study & Survey of Institute organization network infrastructure. | 20/08/2024 |  |