

**UNIVERSITY INSTITUTE OF ENGINEERING**

Subject Name – Computer Networks Subject Code – 21CSH-256

**Submitted To: Submitted By:**

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**Section: 611**

**Group: A**

Department of Computer Science & Engineering

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| **Exp. No** | **List of Experiments** | **Conduct** | **Viva** | **Record** | **Total** | **Remarks** |
| **12** | **10** | **8** | **30** |
| **1.1** | **Study of different types of Network cables and practically implement the cross-wired cable and straight through cable using clamping tool.** |  |  |  |  |  |
| **1.2** | **Study the basic network command and network configuration commands like ping, variations of ipconfig, tracert, nslookup, netstat, arp, rarp, hostname, pathping etc.** |  |  |  |  |  |
| **1.3** | **Configure and understand working of network devices Hub, Switch, Routers.** |  |  |  |  |  |
| **2.1** | **Implement different network topologies like Star and Bus Topology with the help of packet tracer or NS2 software.** |  |  |  |  |  |
| **2.2** | **Implement Mesh Topology with the help of packet tracer or NS2 software.** |  |  |  |  |  |
| **2.3** | **Configure a network using Distance Vector routing Protocol using Packet Tracer or NS2.** |  |  |  |  |  |
| **2.4** | **Configure a network using Link State Routing Protocol using Packet Tracer or NS2.** |  |  |  |  |  |

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| **3.1** | **Sharing of resources with two connected nodes. Understanding FTP.** |  |  |  |  |  |
| **3.2** | **Configure DHCP server using Packet Tracer.** |  |  |  |  |  |
| **3.3** | **Configuration of TCP/IP Protocols.** |  |  |  |  |  |