**SRM Institute of Science and Technology**

**Faculty of Engineering and Technology**

**Department of Computer Science and Engineering**

Subject Code/Subject Name : **18CSC302J/ Computer Networks Lab**

**Experiments:**

1. Study of necessary header files with respect to socket programming.
2. Study of Basic Functions of Socket Programming
3. Simple TCP/IP Client Server Communication
4. UDP Echo Client Server Communication
5. Concurrent TCP/IP Day-Time Server
6. Half Duplex Chat Using TCP/IP
7. Full Duplex Chat Using TCP/IP
8. Implementation of File Transfer Protocol
9. Remote Command Execution Using UDP
10. ARP implementation Using UDP
11. Study of IPV6 Addressing & Subnetting
12. Implementation of NAT
13. Implementation of VPN
14. Communication Using HDLC
15. Communication Using PPP