

**18CSC302J Computer Networks Laboratory**

Record Work

**Register Number :**

**Name of the Student :**

**Semester / Year : V Semester/III Year**

**Department : CSE**

**Specialization :**



***SRMI INSTITUTE OF SCIENCE AND TECHNOLOGY***

S.R.M. NAGAR, KATTANKULATHUR -603 203

**BONAFIDE CERTIFICATE**

**Register No. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

*Certified to be the bonafide record of work done by*

*of* CSE

*, B. Tech Degree course in the Practical* **18CSC302J Computer Networks Laboratory** *in SRM Institute of Science and Technology, Kattankulathur during the academic year 2022-2023(Odd Sem)***.**

# Signature of the Faculty Signature of the HOD/NWC

Submitted for University Examination held on SRM Institute of Science and

Technology, Kattankulathur.

# Examiner-1 Examiner-2

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| --- | --- | --- | --- | --- | --- |
| **Sl.No.** | **Date of Completion** | **NAME OF EXPERIMENT** | **Page No.** | **Marks**  **(10)** | **Faculty**  **Signature** |
| 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 Network Address Translation |  |  |  |
| 13. |  | Implementation of VPN |  |  |  |
| 14. |  | Communication Using HDLC |  |  |  |
| 15. |  | Communication Using PPP |  |  |  |

**List of Experiments**