NETWORKS LABORATORY

CS8581(ODD Semester)   **Regulations:** R17

List of experiments recommended as per Anna University

1. Learn to use commands like tcpdump, netstat, ifconfig, nslookup and traceroute. Capture ping and trace route PDUs using a network protocol analyzer and examine.

2. Write a HTTP web client program to download a web page using TCP sockets.

3. Applications using TCP sockets like:

- Echo client and echo server
- Chat
- File Transfer

4. Simulation of DNS using UDP sockets.

5. Write a code simulating ARP /RARP protocols.

6. Study of Network simulator (NS) and Simulation of Congestion Control Algorithms using NS.

7. Study of TCP/UDP performance using Simulation tool.

8. Simulation of Distance Vector/ Link State Routing algorithm.

9. Performance evaluation of Routing protocols using Simulation tool.

10. Simulation of error correction code (like CRC).

List of experiments beyond the Anna University

1. Configure a network topology using packet tracer software

2. Study of network devices in detail