

List of Experiments:

1. Simple Chat Program using TCP Sockets
2. Simulation of HTTP Protocol using TCP Sockets
3. Simulation of DNS using UDP Sockets
4. Learn to use commands like TCP Dump, Netstat, Trace Route
5. Simulation of Ping using Raw Sockets
6. Simulation of Distance Vector/ Link State Routing algorithm
7. Study and configure functionalities of a router and switches (or by simulation)
8. Study of TCP/UDP performance using Simulation tool
9. Performance comparison of Routing protocols using Simulation tool
10. Simulation of error correction code (like CRC)

TOTAL: 45

LABORATORY REQUIREMENTS FOR BATCH OF 30 STUDENTS

1. Linux Server - 1
2. Terminals for 30 students