

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Networks Laboratory

EC8563 (ODD Semester)

Regulations: R17

List of Experiments as per Anna University

1. Implementation of Error Detection / Error Correction Techniques
2. Implementation of Stop and Wait Protocol and sliding window
3. Implementation and study of Goback-N and selective repeat protocols
4. Implementation of High Level Data Link Control
5. Implementation of IP Commands such as ping, Traceroute, nslookup.
6. Implementation of IP address configuration.
7. To create scenario and study the performance of network with CSMA / CA protocol and compare with CSMA/CD protocols.
8. Network Topology - Star, Bus, Ring
9. Implementation of distance vector routing algorithm
10. Implementation of Link state routing algorithm
11. Study of Network simulator (NS) and simulation of Congestion Control Algorithms using NS2
12. Implementation of Encryption and Decryption Algorithms

Beyond the Syllabus

13. Fixed and Variable length Sub netting
14. Basic Switches and Router operation using Packet Tracer Tool