

COMPUTER NETWORKS LAB

List of Experiments:

1. Study of network Devices in Detail.
2. Implement data Link layer Framing Methods:
 - a) Character Stuffing Method
 - b) Bit Stuffing method.
3. Implement a data link framing method for even and odd parity.
4. Implement a simple data link layer that performs the flow control using the sliding window protocol.
5. Implement the CRC encoding mechanism in data link layer.
6. Write a Program for Dijkstra's algorithm to compute the shortest path through a graph?
7. Configure a network using Distance Vector Routing Protocol?
8. Configure a network using Link State Vector Routing Protocol?
9. Write a program for congestion control using leaky bucket algorithm?
10. Write a program for congestion control using token bucket algorithm?
11. Implementation of IP address masking.

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