



COMPUTER NETWORKS LAB TWO REPORT



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B. TECH COMPUTER SCIENCE AND ENGINEERING (SEC-C 3RD YEAR, 5TH SEMESTER)
(FROM SRM INSTITUTE OF SCIENCE AND TECHNOLOGY – TRICHY)

Objective:

To design and implement various network topologies using Cisco Packet Tracer and to test the connectivity between devices.

Procedure:

1. Open Packet Tracer:

- Launch Cisco Packet Tracer on your computer.

2. Implement a Bus Topology:

- Drag three computers onto the workspace.
- Connect them using a single backbone cable (Coaxial Cable).

3. Implement a Star Topology:

- Drag three computers and a switch onto the workspace.
- Connect each computer to the switch using straight-through Ethernet cables.

4. Implement a Ring Topology:

- Drag three computers onto the workspace.
- Connect them in a circular manner using crossover cables.

5. Implement a Mesh Topology:

- Drag three computers onto the workspace.
- Connect each computer to every other computer using crossover cables.

6. Test Connectivity:

- For each topology, assign IP addresses to the computers.
- Use the ping command to test connectivity between all computers.

Screenshots:

