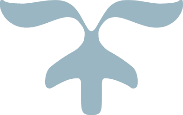


COMPUTER

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:

## Open Packet Tracer:

* + Launch Cisco Packet Tracer on your computer.

## Implement a Bus Topology:

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

## Implement a Star Topology:

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

## Implement a Ring Topology:

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

## Implement a Mesh Topology:

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

## Test Connectivity:

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

# Screenshots:

