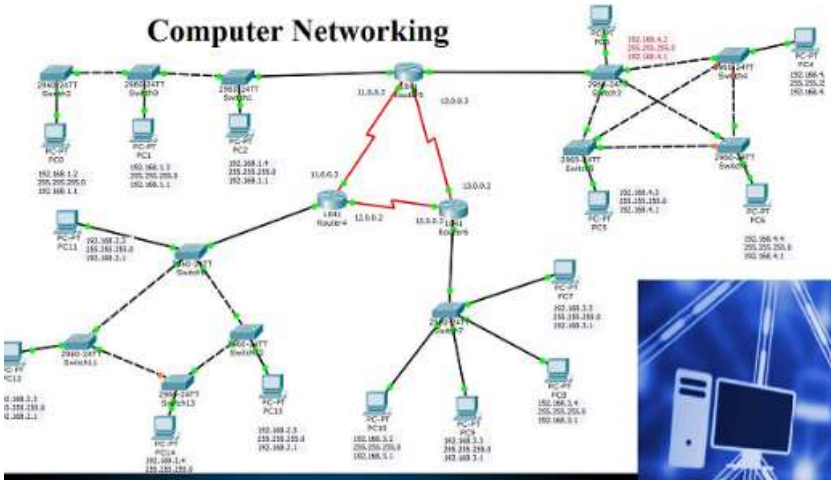

COMPUTER NETWORKS

NETWORK SIMULATOR SOFTWARES

Learn Networking Practically

Syllabus

Module 1: Introduction to Computer Networking

- Overview of computer networks
- The importance of computer networking
- Key networking terminologies
- Historical development of networking

Module 2: Network Models and Protocols

- OSI and TCP/IP networking models
- Understanding protocols and their role
- Introduction to Ethernet, IP, and TCP/UDP
- Common network services (DNS, DHCP, etc.)

Module 3: Network Devices

- Routers, switches, hubs, and access points
- Network cables and connectors
- Network addressing (IP addressing, subnetting)
- Introduction to network security

Module 4: Network Configuration and Setup

- Configuring network devices (routers and switches)
- IP address assignment
- Basic network troubleshooting
- Setting up a home/small office network