Computer Networks

- Computer Network Notes

Lab 1:

- Activiation of accounts: University email, eduroam, Microsoft 365
- Join Class in Microsoft Teams

Cisco Packet Tracker

- **Lab 1:** Installation of Cisco Packet Tracker

- **Lab 2:** Basic Networking Concepts

  - Overview of computer networks, protocols, and topologies.
  - Hands-on activity: Identify star of network topology using network simulation tools (cisco packet tracer)

- **Lab 3:** How to configure DHCP server in Packet Tracer

Wireshare

- **Lab 1:** Installation Wireshark and understanding of Interface

  - Download Wireshark

- **Lab 2:** Use of Wireshark

- Slide

- Hands-on activity

Windows

- **Lab 1:** Windows Networking Commands
  - Hands-on activity: ping, ipconfig

Lab 2: Windows Networking Commands - Hands-on activity: nslookup, tracert

Lab 3: Finding Your Public IP Address

- **Lab 4:** Understanding Network Devices
  - Introduction to routers, switches, hubs, and modems.
  - Hands-on activity: Configure basic settings on a router and switch using cisco packet tracker