CSC226 COMPUTER SYSTEMS AND NETWORKING LAB

Learning Outcomes

- Identify and describe the functions of common networking devices.
- Construct a local area network (LAN) using a switches/hubs.
- Configure TCP/IP for the LAN.
- Construct a wide area network (WAN) using routers.
- Implementation of a WLAN.

Content

Installation, configuration, operation, and troubleshooting medium-size routed and switched networks; Basic mitigation of security threats; Introduction to wireless networking performance-based skills; Use of protocols: IP, Enhanced Interior Gateway Routing Protocol (EIGRP), Serial Line Interface Protocol Frame Relay, Routing Information Protocol Version 2 (RIPv2), VLANs, Ethernet, access control lists (ACLs).

Pre-requisites

- CSC123 Data Communications
- CSC225 Computer Networks

Delivery

Demonstrations and Hands-on practicals.