Faculty of Computers and Information Technology

Computer Networks

Information :

Course Code :	CSS221	**Level**	: Undergraduate	**Course Hours :**	3.00- Hours

Department : Faculty of Computers and Information Technology

Description :

ThE course provides the fundamentals of computer networking. Topics covered in this course are the Internet architecture and protocols, the fundamental concepts, and principles of OSI and TCP/IP layers, the Ethernet communication technology, switching techniques, network performance metrics, data link layer, network layer, routing protocols, IP networking and addressing, transport layer protocols (TCP and UDP), Application layer protocols (e.g., BGP, SSH, SMTP, DNS, HTTPS, among others), Wireless and mobile networks technologies, network traffic analysis, the client-server model. Hhands-on experience is provided through a series of exercises, assignments, and projects.