Course Code	Course Title			Р	С
BECE401P	BECE401P Computer Communications and Networks Lab				1
Pre-requisite	BECE306L, BECE306P	Syllabus Version			
		1.0			

Course Objectives:

- 1. To familiarize the students with the basic terminologies and concepts of OSI, TCP/IP reference model and functions of various layers.
- 2. To make the students understand the design and performance issues associated with the functioning of LANs and WLANs.
- 3. To introduce the students to analyze the IP addressing and basics of transport and application layer protocols.

Course Outcome:

The students will be able to:

- 1. Analyze the performance of internetworking devices and network topologies using simulation tools.
- 2. Analyze the performance of error detection and medium access control protocols using simulation tools.
- 3. Implement and analyze the routing algorithms and transport layer protocols using simulation tools.

List of Challenging Experiments (Indicative)								
Task 1	Simulation and performated delay of different ne mechanisms.				6 hours			
Task 2	Analyze the spanning tre among the switches.	e priority	4 hours					
Task 3	Simulation of framing and		4 hours					
Task 4	Simulation and performa Access Control schemes.	Medium	4 hours					
Task 5	Implementation of various shortest path.	npute the	6 hours					
Task 6	Analysis of transport layer	control.	6 hours					
	ry Hours	30 hours						
Mode of Assessment: Continuous Assessment and Final Assessment Test								
Recommended by Board of Studies 14-05-2022								
Approved by Academic Council		No. 66	Date	16-06-2022				