

Course code	Course Title	L	T	P	C
BITE305P	Computer Networks Lab	0	0	2	1
Pre-requisite	BITE203L	Syllabus version			
		1.0			
Course Objectives:					
1. To develop an understanding of data communication and computer networks related tools.					
2. To familiarize with computer network simulation analysis and programming.					
Course Outcomes:					
1. Identify and use functionality of network commands and simulation.					
2. Establish basic network connectivity using Socket Programming.					
3. Analyze a given network using prescribed tools.					
Indicative Experiments					Hours
1.	Network commands to test the network functionality				4 Hours
2.	Network Topologies and Device Configurations				4 Hours
3.	Access Control Lists and Firewall Configurations				4 Hours
4.	TCP Socket Programming				7 Hours
5.	UDP Socket Programming				7 Hours
6.	Network Traffic Analysis				4 Hours
Total Laboratory Hours					30 hours
Mode of Assessment: Continuous Assessments, Final Assessment Test					
Recommended by Board of Studies		20-05-2022			
Approved by Academic Council		No. 66	Date	16-06-2022	