

Program	Bachelor of Engineering (B.E.)	Semester - 5
Type of Course	-	
Prerequisite	-	
Course Objective	-	

Teaching Scheme (Contact Hours)				Examination Scheme					
	Tutorial	Practical	Credit	Theory Marks		Practical Marks		Tatal	
Lecture				External Marks	Internal Marks	External Marks	Internal Marks	Total Marks	
4	0	2	5	70	-	30	-	150	

SEE - Semester End Examination, CIA - Continuous Internal Assessment (It consists of Assignments/Seminars/Presentations/MCQ Tests, etc.)

Course Content T - Teaching Hour		Wei	ghtag					
Sr.	Topics		Т	W				
1	Introduction to	Computer Networks and Internet						
	1	of network and Internet, The network edge, The network core, Understanding of Delay, Loss and Throughp g network, protocols layers and their service model, History of the computer network.	ut in	the				
2	Application Lay	er						
	Principles of computer applications, Web and HTTP, E-mail, DNS, Socket programming with TCP and UDP.							
3	Transport Layer							
		I transport layer services, Multiplexing and Demultiplexing, Connection less transport (UDP), Principles of connection oriented transport (TCP), Congestion control.	frelia	ble				
4	Network Layer							
		tual and Datagram networks, study of router, IP protocol and addressing in the Internet, Routing algorith Multicast routing.	ms,					
5	The Link Layer a	and Local Area Networks						
	Introduction and link layer services, error-detection and correction techniques, Multiple access protocols, addressing, Ethernet, Switches, VLAN.							
	•	Total						

List of Practical

Printed on: 18-09-2022 07:37 AM Page 1 of 1