

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Lesson Plan & Work-done Diary for AY: 2026-27, ODD Semester

Course with Code: Computer Networks(BCS502)					Faculty:		Semester & Section: V	
Module	Class No.	Date planned (DD/MM)	Topics to be covered	TLP Planned	Date of Conduction (DD/MM)	Topics Covered	TLP Executed	Remarks if any deviation
MODULE-1	1		Bridge course-Basics of CN	PPT, Chalk & Talk				
	2		Bridge course-Basics of CN	PPT, Chalk & Talk				
	3		Data Communications, Networks, Network Types,	PPT, Chalk & Talk				
	4		Networks Models: Protocol Layering	PPT, Chalk & Talk				
	5		TCP/IP Protocol suite	PPT, Chalk & Talk				
	6		The OSI model	PPT, Chalk & Talk				
	7		Introduction to Physical Layer: Transmission media,	PPT, Chalk & Talk				
	8		Guided Media	PPT, Chalk & Talk				
	9		Unguided Media: Wireless.	PPT, Chalk & Talk				
	10		Switching: Packet Switching and its types.	PPT, Chalk & Talk				

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MODULE-2	11		Data Link Layer: Error Detection and Correction: Introduction	PPT, Chalk & Talk				
	12		Block Coding, Cyclic Codes	PPT, Chalk & Talk				
	13		Data link control: DLC Services: Framing	PPT, Chalk & Talk				
	14		Flow Control, Error Control,	PPT, Chalk & Talk				
	15		Connectionless and Connection Oriented	PPT, Chalk & Talk				
	16		Data link layer protocols	PPT, Chalk & Talk				
	17		High Level Data Link Control	PPT, Chalk & Talk				
	18		Media Access Control: Random Access	PPT, Chalk & Talk				
	19		Controlled Access	PPT, Chalk & Talk				
	20		Check Sum and Point to Point Protocol	PPT, Chalk & Talk				

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MODULE-3	21		Network Layer: Network layer Services,	PPT, Chalk & Talk				
	22		Packet Switching,	PPT, Chalk & Talk				
	23		IPv4 Address	PPT, Chalk & Talk				
	24		IPv4 Datagram	PPT, Chalk & Talk				
	25		IPv6 Datagram	PPT, Chalk & Talk				
	26		Introduction to Routing Algorithms	PPT, Chalk & Talk				
	27		Unicast Routing Protocols: DVR, LSR, PVR	PPT, Chalk & Talk				
	28		Unicast Routing Protocols: DVR, LSR, PVR	PPT, Chalk & Talk				
	29		Unicast Routing protocols: RIP, OSPF, BGP	PPT, Chalk & Talk				
	30		Multicasting Routing-MOSPF	PPT, Chalk & Talk				

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MODULE-4	31		Introduction to Transport Layer: Introduction	PPT, Chalk & Talk				
	32		Transport-Layer Protocols: Introduction	PPT, Chalk & Talk				
	33		User Datagram Protocol	PPT, Chalk & Talk				
	34		Transmission Control Protocol: services	PPT, Chalk & Talk				
	35		features	PPT, Chalk & Talk				
	36		segments	PPT, Chalk & Talk				
	37		TCP connections	PPT, Chalk & Talk				
	38		flow control,	PPT, Chalk & Talk				
	39		Error control	PPT, Chalk & Talk				
	40		Congestion control	PPT, Chalk & Talk				

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MODULE-5	41		Introduction to Application Layer: Introduction	PPT, Chalk & Talk				
	42		Client-Server Programming	PPT, Chalk & Talk				
	43		Standard Client Server Protocols: World Wide Web	PPT, Chalk & Talk				
	44		HTTP	PPT, Chalk & Talk				
	45		FTP	PPT, Chalk & Talk				
	46		Electronic Mail	PPT, Chalk & Talk				
	47		Domain Name System (DNS)	PPT, Chalk & Talk				
	48		TELNET	PPT, Chalk & Talk				
	49		Secure Shell (SSH)	PPT, Chalk & Talk				
	50		Revision	PPT, Chalk & Talk				

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	Activity	Planned	Actual	Remarks
1	Theory Classes	50		
2	Assignments/Quizzes/ Self-study	2/5		
3	Tutorials/ Extra classes	-		
4	Internal Assessments	3		
5	ICT based Teaching (% of usage in Curriculum)	100%		
Planning			Execution	
Faculty Signature:			Faculty Signature:	
HoD Signature:			HoD Signature:	