

## DEPARTMENT OF COMPUTER SCIENCE &amp; ENGINEERING

## Lesson Plan &amp; Work-done Diary for AY: 2025-26, ODD Semester

Course with Code: Computer Networks(BCS502)				Faculty:		Semester & Section: 5A		
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	Chalk & Talk				
	2		Bridge course-Basics of CN	Chalk & Talk				
	3		Data Communications, Networks, Network Types,	PPT				
	4		Networks Models: Protocol Layering	PPT				
	5		TCP/IP Protocol suite	PPT				
	6		The OSI model	Chalk & Talk				
	7		Introduction to Physical Layer: Transmission media,	PPT				
	8		Guided Media	PPT				
	9		Unguided Media: Wireless.	PPT				

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

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

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

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

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	50		Revision	PPT					
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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)			
<b>Planning</b>			<b>Execution</b>	
<b>Faculty Signature:</b>			<b>Faculty Signature:</b>	
<b>HoD Signature:</b>			<b>HoD Signature:</b>	

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