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

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

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

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MODULE-3							
17.		Network layer Services, Packet Switching	PPT Chalk & Talk				
18.		IPv4 Address, IPv4 Datagram	PPT Chalk & Talk				
19.		IPv6 Datagram, Introduction to Routing Algorithms	PPT Chalk & Talk				
20.		Unicast Routing Protocols: DVR,	PPT Chalk & Talk				
21.		LSR, PVR	PPT Chalk & Talk				
22.		Unicast Routing protocols: RIP, OSPF	PPT Chalk & Talk				
23.		BGP,	PPT Chalk & Talk				
24.		Multicasting Routing-MOSPF	PPT Chalk & Talk				

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MODULE-4							
25.		Transport-Layer Protocols: Introduction	PPT Chalk & Talk				
26.		User Datagram Protocol	PPT Chalk & Talk				
27.		Transmission Control Protocol: services	PPT Chalk & Talk				
28.		TCP: Features, segments	PPT Chalk & Talk				
29.		TCP connections	PPT Chalk & Talk				
30.		Flow control,	PPT Chalk & Talk				
31.		Error control,	PPT Chalk & Talk				
32.		Congestion control	PPT Chalk & Talk				

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MODULE-5							
33.		Introduction to Application Layer	PPT Chalk & Talk				
34.		Client-Server Programming	PPT Chalk & Talk				
35.		Standard Client- Server Protocols: World Wide Web and HTTP	PPT Chalk & Talk				
36.		FTP	PPT Chalk & Talk				
37.		Electronic Mail	PPT Chalk & Talk				
38.		Domain Name System (DNS)	PPT Chalk & Talk				
39.		TELNET, Secure Shell (SSH)	PPT Chalk & Talk				
40.		Revision, Module End Question discussion, Quiz	PPT Chalk & Talk				

	Activity	Planned	Actual	Remarks
1	Theory Classes	40		
2	Assignments/ Quizzes/ Self-study	4		
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:**