



## LESSON PLAN

<b>Department: CSE</b>		<b>Semester: 4<sup>th</sup>, Name of Faculty: MISS KHIPTITA MUKHI</b>
<b>Subject: Computer Networks (CN) (TH:3)</b>	<b>No. of days/ week Class allotted: 3</b>	<b>Effective From Date: 22.12.2025 to 18.04.2026</b>
		<b>No. Of Week-15</b>
		<b>Topic to be Covered:</b>
<b>Week</b>	<b>Class Day</b>	<b>Theory</b>
<b>1<sup>st</sup></b>	<b>1st</b>	<b>UNIT 1: Introduction</b> 1.1 Introduction to computer networks
	<b>2nd</b>	1.2 Network Models
	<b>3rd</b>	1.2 Network Models
<b>2<sup>nd</sup></b>	<b>1st</b>	1.3 OSI Reference Model
	<b>2nd</b>	1.3.1 The OSI layer architecture
	<b>3rd</b>	1.4 4Layer of TCP/IP suite
<b>3<sup>rd</sup></b>	<b>1st</b>	1.4 4Layer of TCP/IP suite
	<b>2nd</b>	1. Doubt Clearing class 2. Quiz test 3. Assignment
	<b>3rd</b>	<b>UNIT 2: Physical Layer</b> 2.1 Transmission Media–Principles and issues
<b>4<sup>th</sup></b>	<b>1st</b>	2.2 Wired Media-Coaxial, UTP, STP, Fiber Optic
	<b>2nd</b>	2.3 Cables -Single Mode & Multimode
	<b>3rd</b>	2.4 Wireless Media–HF, VHF, UHF, Microwave, Ku Band, WIFI 802.11 a/b/g/n/ac
<b>5<sup>th</sup></b>	<b>1st</b>	2.5 CellularData-2G,3G,4G,&5G
	<b>2nd</b>	2.6 Network topologies
	<b>3rd</b>	2.6 Network topologies
<b>6<sup>th</sup></b>	<b>1st</b>	1. Doubt Clearing class 2. Quiz test 3. Assignment
	<b>2nd</b>	<b>UNIT 3: Data Link Layer</b> 3.1 Design issues
	<b>3rd</b>	3.2 DLL protocols (Ethernet, WLAN, Bluetooth)
<b>7<sup>th</sup></b>	<b>1st</b>	3.2 DLL protocols (Ethernet, WLAN, Bluetooth)
	<b>2nd</b>	3.3 Switching Techniques, VLAN
	<b>3rd</b>	1. Doubt Clearing class 2. Quiz test 3. Assignment
<b>8<sup>th</sup></b>	<b>1st</b>	<b>UNIT 4: Network Layer</b> 4.1 Design issues

	2nd	4.2 Internet Protocols (IPv4& IPv6)
	3rd	4.2 Internet Protocols (IPv4& IPv6)
9 <sup>th</sup>	1st	4.3 Routing—principles and issues
	2nd	4.4 Routing Algorithms: Distance-vector, Link-state
	3rd	4.4 Routing Algorithms: Distance-vector, Link-state
10 <sup>th</sup>	1st	4.5 Routing Protocols: RIP, OSPF
	2nd	1. Doubt Clearing class 2. Quiz test 3. Assignment
	3rd	UNIT 5: Transport Layer 5.1 Design issues
11 <sup>th</sup>	1st	5.2 UDP&TCP
	2nd	5.2 UDP&TCP
	3rd	1. Doubt Clearing class 2. Quiz test 3. Assignment
12 <sup>th</sup>	1st	UNIT 6: Application Layer 6.1 Design Issues
	2nd	6.2 DNS, DHCP, SNMP
	3rd	6.2 DNS, DHCP, SNMP
13 <sup>th</sup>	1st	6.3 FTP & TFTP
	2nd	6.4 SMTP, WWW
	3rd	6.5 Telnet & SSH
14 <sup>th</sup>	1st	1. Doubt Clearing class 2. Quiz test 3. Assignment
	2nd	UNIT 7: Network Devices 7.1 NIC, Hub, Router
	3rd	7.2 Switch-Core, Distribution & Access Switches
15 <sup>th</sup>	1st	7.3.1 WiFi Access-Point
	2nd	7.3.2 Wireless LAN Controller
	3rd	1. Doubt Clearing class 2. Quiz test 3. Assignment

Khushi Mukhi

Signature of Faculty

Rasmita Patra  
HOD 22/12/25  
21/12/25

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