LESSON PLAN (SUMMER-2023)		
Discopline: ETC	**Semester: 4TH**	**Name of the Teaching Faculty: R.R. SETH**
Subject:Data Comm. & Computer Network	**No of Days /per week class allotted: 4**	**Semester From date: 14.02.2023 To 23.05.2023** **No of Weeks:14**
Week	**Class Day**	**Theory / Practical Topics**
1st	1st	**Unit-1. Network& Protocol (8)** 1.1 Data Communication
	2nd	1.1 Data Communication
	3rd	1.2 Networks
	4th	1.2 Networks
2nd	1st	1.3 Protocol & Architecture,
	2nd	1.3 Protocol & Architecture,
	3rd	1.3 Standards, OSI, TCP/IP
	4th	1.3 Standards, OSI, TCP/IP
3rd	1st	**Unit-2. Data Transmission & Media (8)** 2.1 Data transmission Concepts and Terminology
	2nd	2.1 Data transmission Concepts and Terminology
	3rd	2.2 Analog and Digital Data transmission
	4th	2.2 Analog and Digital Data transmission
4th	1st	2.3 Transmission impairments, Channel capacity
	2nd	2.3 Transmission impairments, Channel capacity
	3rd	2.4 Transmission media, Guided Transmission, Wireless Transmission
	4th	2.4 Transmission media, Guided Transmission, Wireless Transmission
5th	1st	**Unit-3. Data Encoding (8)** 3.1 Data encoding, 3.2 Digital data digital signals,
	2nd	3.2 Digital data digital signals,
	3rd	3.3 Digital data analog signals
	4th	3.3 Digital data analog signals
6th	1st	3.4 Analog data digital signals
	2nd	3.4 Analog data digital signals
	3rd	3.5 Analog data analog signals
	4th	3.5 Analog data analog signals
7th	1st	**Unit-4. Data Communication & Data link control (8)** 4.1 Asynchronous and Synchronous Transmission
	2nd	4.2 Error Detection
	3rd	4.3 Line configuration
	4th	4.4 Flow Control,
8th	1st	4.5 Error Control
	2nd	4.6 Multiplexing
	3rd	4.7 FDM synchronous TDM
	4th	4.8 Statistical TDM
9th	1st	**Unit-5. Switching & Routing (10)** 5.1 Circuit Switching networks
	2nd	5.2 Packet Switching principles
	3rd	5.3 X.25

	4th	5.4 Routing in Packet switching
10th	1st	5.5 Congestion
	2nd	5.6 Effects of congestion, congestion control
	3rd	5.6 Effects of congestion, congestion control
	4th	5.7 Traffic Management
11th	1st	5.8 Congestion Control in Packet Switching Network.
	2nd	5.8 Congestion Control in Packet Switching Network.
	3rd	**Unit-6. LAN Technology (10)** 6.1. Topology and Transmission Media
	4th	6.2 LAN protocol architecture
12th	1st	6.2 LAN protocol architecture
	2nd	6.3. Medium Access control
	3rd	6.3. Medium Access control
	4th	6.4 Bridges, Hub, Switch
13th	1st	6.5 Ethernet (CSMA/CD), Fiber Channel
	2nd	6.5 Ethernet (CSMA/CD), Fiber Channel
	3rd	6.6 Wireless LAN Technology..
	4th	6.6 Wireless LAN Technology..
14th	1st	**Unit-7. TCP/IP (8)** 7.1 TCP/IP Protocol Suite
	2nd	7.2 Basic Protocol functions
	3rd	7.2 Basic Protocol functions
	4th	7.3 Principles of Internetworking
15th (EXTRA)	1st	7.3 Principles of Internetworking
	2nd	7.4 Internet Protocol operations
	3rd	7.4 Internet Protocol operations
	4th	7.5 Internet Protocol

Signature of the Faculty