

LESSON PLAN:

Discipline: IT	Semester: 4th	Name of the Teaching Faculty: Ms. Supriya Mishra
Subject: Data Communication & Computer Network	No. Of Days per week : 4 periods per week (Wed, Thurs, Fri & Sat - 1 period each)	Semester: From Date:14-02-2023 To 23-05-2023
WEEK	CLASS DAY	THEORY /PRACTICAL TOPICS
1st	15-02-2023	Syllabus Discussion
	16-02-2023	1. Network & Protocol 1.1 Data Communication 1.2 Networks
	17-02-2023	1.3 Protocol & Architecture, Standards
2nd	22-02-2023	1.3 OSI, TCP/IP
	23-02-2023	Recap of Chapter 1 2. Data Transmission & Media 2.1 Data transmission Concepts and Terminology
	24-02-2023	2.2 Analog and Digital Data transmission
	25-02-2023	2.3 Transmission impairments, Channel capacity
3rd	01-03-2023	2.4 Transmission media, Guided Transmission, Wireless Transmission
	02-03-2023	Recap of Chapter 2 3. Data Encoding 3.1 Data encoding,
	03-03-2023	3.2 Digital data digital signals,
	04-03-2023	3.3 Digital data analog signals
4th	09-03-2023	3.4 Analog data digital signals
	10-03-2023	3.5 Analog data analog signals
	11-03-2023	Recap of Chapter 3 4. Data Communication & Data link control 4.1 Asynchronous and Synchronous Transmission
5th	15-03-2023	Class Test -1 (Chapter 1 &2)
	16-03-2023	4.1 Error Detection
	17-03-2023	4.3 Line configuration
	18-03-2023	4.4 Flow Control
6th	22-03-2023	4.5 Error Control
	23-03-2023	4.6 Multiplexing
	24-03-2023	4.7 FDM
	25-03-2023	4.7 Synchronous TDM
7th	29-03-2023	4.8 Statistical TDM Assignment -1 (Chapters 1-4)
	31-03-2023	Recap of Chapter 4 5. Switching & Routing 5.1 Circuit Switching networks
8th	05-04-2023	5.2 Packet Switching principles
	06-04-2023	5.3 X.25

	08-04-2023	5.4 Routing in Packet switching 5.5 Congestion 5.6.1 Effects of congestion,
9th	12-04-2023	5.6.2 Congestion control 5.8 Congestion Control in Packet Switching Network.
	13-04-2023	5.7 Traffic Management
	15-04-2023	Class Test -2 (Chapter 3 &4)
10th	19-04-2023	Recap of Chapter 5 6. LAN Technology 6.1. Topology and Transmission Media
	20-04-2023	6.2 LAN protocol architecture
	21-04-2023	6.3. Medium Access control
	22-04-2023	6.4 Bridges, Hub, Switch
11th	26-04-2023	6.5 Ethernet (CSMA/CD), Fiber Channel
	27-04-2023	Internal Assessment (Tentative as per Academic Calender)
	28-04-2023	6.6 Wireless LAN Technology
	29-04-2023	Recap of Chapter 6 7. TCP/IP 7.1 TCP/IP Protocol Suite
12th	03-05-2023	7.2 Basic Protocol functions
	04-05-2023	7.3 Principles of Internetworking
	06-05-2023	7.3 Internet Protocol operations 7.4 Internet Protocol
13th	10-05-2023	Class Test -3 (Chapter 5 &6) Assignment -2 (Chapters 5-7)
	11-05-2023	Recap of Chapter 1&2
	12-05-2023	Recap of Chapter 3
	13-05-2023	Recap of Chapter 4
14th	17-05-2023	Recap of Chapter 5
	18-05-2023	Recap of Chapter 6 & 7
	20-05-2023	Last Date for submission of Notes by students