

LESSONPLAN:		
Discipline: IT	Semester: 4th	Name of the Teaching Faculty: Mrs. Supriya Mishra
Subject: Data Communication & Computer Network	No. Of Days per week : 4 (Wed, Thurs, Fri & Sat -1 period each)	Semester: From Date : 16-01-2024 To 26-04-2024
WEEK	CLASSDAY	THEORY/PRACTICALTOPICS
1st	17-01-2024	No Classes due to Centenary Celebrations of BOSE
	18-01-2024	
	19-01-2024	
	20-01-2024	
2nd	24-01-2024	Introductory Class & Interaction with new batch
	25-01-2024	Introduction to the subject and Key Take-aways
3rd	31-01-2024	Syllabus Discussion
	01-02-2024	1. Network & Protocol 1.1 Data Communication 1.2 Networks
	02-02-2024	1.3 Protocol & Architecture, Standards, Introduction to OSI
	03-02-2024	1.3 Introduction to TCP/IP Difference between OSI and TCP/IP models
4th	07-02-2024	Recap of Chapter 1 2. Data Transmission & Media 2.1 Data transmission Concepts and Terminology 2.2 Analog and Digital Data transmission
	08-02-2024	2.3 Transmission impairments, Channel capacity
	09-02-2024	2.4 Transmission media, Guided Transmission, Wireless Transmission
	10-02-2024	Recap of Chapter 2 3. Data Encoding 3.1 Data encoding,
5th	15-02-2024	3.2 Digital data digital signals,
	16-02-2024	3.3 Digital data analog signals
	17-02-2024	3.4 Analog data digital signals
6th	21-02-2024	3.5 Analog data analog signals
	22-02-2024	Recap of Chapter 3 4. Data Communication & Datalink control 4.1 Asynchronous and Synchronous Transmission
	23-02-2024	4.2 Error Detection
	24-02-2024	Class Test – 1 (Chapter 1 & 2)
7th	28-02-2024	4.3 Line configuration
	29-02-2024	4.4 Flow Control
	01-03-2024	4.5 Error Control
	02-03-2024	4.6 Multiplexing
8th	06-03-2024	4.7 FDM
	07-03-2024	4.7 Synchronous TDM
	09-03-2024	4.8 Statistical TDM Assignment – 1 (Chapters 1 - 4)

9th	13-03-2024	Recap of Chapter 4 5. Switching & Routing 5.1 Circuit Switching networks
	14-03-2024	5.2 Packet Switching principles
	15-03-2024	5.3 X.25 5.4 Routing in Packet switching
	16-03-2024	5.5 Congestion 5.6.1 Effects of congestion,
10th	20-03-2024	5.6.2 Congestion control 5.8 Congestion Control in Packet Switching Network.
	21-03-2024	5.7 Traffic Management
	22-03-2024	Recap of Chapter 5 6. LAN Technology 6.1. Topology and Transmission Media
	23-03-2024	Class Test – 2 (Chapter 3 & 4)
11th	27-03-2024	6.2. LAN protocol architecture
	28-03-2024	6.3 Medium Access control
	30-03-2024	6.4 Bridges, Hub, Switch
12th	03-04-2024	Internal Assessment (Tentative as per Academic Calender)
	04-04-2024	6.5 Ethernet (CSMA/CD), Fiber Channel
	05-04-2024	6.6 Wireless LAN Technology
	06-04-2024	Recap of Chapter 6 7. TCP/IP 7.1 TCP/IP Protocol Suite
13th	10-04-2024	7.2 Basic Protocol functions
	12-04-2024	7.3 Principles of Internetworking
	13-04-2024	7.3 Internet Protocol operations 7.4 Internet Protocol
14th	18-04-2024	Recap of Chapter 1 & 2
	19-04-2024	Recap of Chapter 3
	20-04-2024	Recap of Chapter 4
15th	24-04-2024	Recap of Chapter 5
	25-04-2024	Recap of Chapter 6 & 7
	26-04-2024	Last Date for submission of Notes by students