

Lesson Plan

Discipline: ETC		Semester- 4th Summer- 2024	Name of the Teaching Faculty: Sri Jogeswar Naik(Lect. ETC Engg)
Sl. No.	Subject-TH-2 DATA COMMUNICATION & COMPUTER NETWORK	No. Of Days/Week class allotted:04	Semester From date: 16.01.2024 To date: 26.04.2024 (No of weeks: 15)
Weeks/Months		Class Day	Topic
1	3rd week 16 jan To 20 jan	1st	Unit-1. Network & Protocol (INTRODUCTION)
		2nd	1.1 Data Communication.
		3rd	1.2 Networks.
		4th	1.3 Protocol & Architecture, Standards, OSI, TCP/IP
2	4th week 22 jan To 27 jan	1st	Protocol & Architecture, Standards, OSI, TCP/IP
		2nd	Unit-2. Data Transmission & Media.
		3rd	2.1 Data transmission Concepts and Terminology.
		4th	Data transmission Concepts and Terminology
3	5th week 29 jan To 1st week 03 feb	1st	2.2 Analog and Digital Data transmission
		2nd	2.3 Transmission impairments, Channel capacity.
		3rd	Transmission impairments, Channel capacity
		4th	2.4 Transmission media, Guided Transmission, Wireless Transmission.
4	2nd week 05 feb To 10 feb	1st	Unit-3. Data Encoding (INTRODUCTION)
		2nd	3.1 Data encoding,
		3rd	3.2 Digital data digital signals,
		4th	3.3 Digital data analog signals
5	3rd week 12 feb To 17 feb	1st	3.4 Analog data digital signals
		2nd	3.5 Analog data analog signals
		3rd	Unit-4. Data Communication & Data link control
		4th	4.1 Asynchronous and Synchronous Transmission
6	4th week 19 feb To 24 feb	1st	4.1 Error Detection
		3rd	4.3 Line configuration.
		3rd	4.4 Flow Control,
		4th	4.5 Error Control
7	5th week 26 feb To 1st week 02 march	1st	4.6 Multiplexing
		2nd	4.7 FDM synchronous TDM
		3rd	4.8 Statistical TDM.
		4th	Unit-5. Switching & Routing.
8	2nd week 04 march To 09 march	1st	5.1 Circuit Switching networks
		2nd	5.2 Packet Switching principles.
		3rd	5.3 X.25.
		4th	5.4 Routing in Packet switching.
9	3rd week 11 march To 16 march	1st	5.5 Congestion.
		2nd	5.6 Effects of congestion, congestion control.
		3rd	5.7 Traffic Management.
		4th	5.8 Congestion Control in Packet Switching Network.

10	4th week 18 march To 23 march	1st	Unit-6. LAN Technology.
		2nd	6.1. Topology and Transmission Media.
		3rd	6.2 LAN protocol architecture.
		4th	6.3. Medium Access control.
11	5th week 25 march To 30 march	1st	6.4 Bridges, Hub, Switch.
		2nd	6.5 Ethernet (CSMA/CD), Fiber Channel.
		3rd	6.6 Wireless LAN Technology.
		4th	Unit-7. TCP/IP(INTRODUCTON)
12	1st week 01 april To 06 april	1st	7.1 TCP/IP Protocol Suite.
		2nd	7.2 Basic Protocol functions.
		3rd	7.3 Principles of Internetworking
		4th	7.4 Internet Protocol operations
13	2nd week 08 april To 13 april	1st	7.4 Internet Protocol.
		2nd	Congestion Control in Packet Switching Network.
		3rd	LAN Technology.
		4th	Ethernet (CSMA/CD), Fiber Channel.
14	3rd week 15 april To 20 april	1st	Topology and Transmission Media.
		2nd	Multiplexing
		3rd	LAN Technology.
		3rd	Internet Protocol operations
		4th	Congestion Control in Packet Switching Network.
15	4th week 22 april To 26 april	1st	Switching & Routing.
		2nd	Topology and Transmission Media.
		3rd	Asynchronous and Synchronous Transmission.
		3rd	Internet Protocol operations
		4th	Ethernet (CSMA/CD), Fiber Channel.

Signature of the Faculty