

Lesson Plan

Discipline: ETC		Semester-4th Summer-2025	Name of the Teaching Faculty: Sri Rabindra kumar Satapathy(Lect. ETC Engg)
Sl. No.	Subject:-(Th.2)- DATA COMMUNICATION & COMPUTER NETWORK	No. Of Days/Week class allotted:04	Semester From date:-04.02.2025 To date: 17.05.2025 (No of weeks: 15)
Weeks/Months		Class Day	Topic
1	1st week 4th feb To 8th feb	1st	Network& Protocol
		2nd	Data Communication
		3rd	Protocol & Architecture
		4th	Protocol & Architecture
2	2nd week 9th feb To 15th feb	1st	Network & classification
		2nd	Standards, OSI, TCP/IP
		3rd	Standards, OSI, TCP/IP
		4th	Data transmission Concepts
3	3rd week 16th feb To 22th feb	1st	Data transmission Concepts
		2nd	Terminology
		3rd	Analog and Digital Data transmission
			Analog and Digital Data transmission
		4th	Transmission impairments
4	4th week 23th feb To 1st march	1st	Channel capacity
		2nd	Transmission media
		3rd	Guided Transmission,
		4th	Wireless Transmission
5	1st week 2nd march To 8th march	1st	Data Encoding
		2nd	Digital data digital signals,
		3rd	Digital data analog signals
		4th	Digital data analog signals
6	2nd week 9th march To 15th march	1st	Data Communication
		2nd	Data link control- Asynchronous and Synchronous
		3rd	Data link control- Asynchronous and Synchronous
		4th	Error Detection
7	3rd week 16th march To 22th march	1st	Line configuration
		2nd	Flow Control
		3rd	Error Control
		4th	Multiplexing,
8	4th week 23th march To 29th march	1st	FDM synchronous TDM,
		2nd	FDM synchronous TDM,
		3rd	Statistical TDM
		4th	Switching & Routing
9	1st week 1st april To 5th april	1st	Circuit Switching networks
		2nd	Packet Switching principles
		3rd	X.25
		4th	Routing in Packet switching
		5th	Congestion

10	2nd week 6th april To 12th april	1st	Effects of congestion
		2nd	congestion control
		3rd	Traffic Management
		4th	Congestion Control in Packet Switching Network.
11	3rd week 13th april To 19th april	1st	Congestion Control in Packet Switching Network.
		2nd	LAN Technology-Topology and Transmission Media
		3rd	LAN Technology-Topology and Transmission Media
		4th	LAN protocol architecture
12	4th week 20th april To 26th april	1st	Medium Access control
		2nd	Bridges
		3rd	Hub, Switch
		4th	Ethernet (CSMA/CD)
13	1st week 27th april To 3rd may	1st	Fiber Channel
		2nd	Wireless LAN Technology..
		3rd	TCP/IP-TCP/IP Protocol Suite
		4th	TCP/IP-TCP/IP Protocol Suite
14	2nd week 4th may To 10th may	1st	Basic Protocol functions
		2nd	Basic Protocol functions
		3th	Principles of Internetworking
		4th	Principles of Internetworking
15	3rd week 11th may To 17th may	1st	Internet Protocol operations
		2nd	Internet Protocol operations
		3rd	Internet Protocol
		4th	Revision

Salvador K. S. S. S.
Signature of the Teacher