Lesson Plan

DISCIPLINE: **Electronics** and Telecommunication Engineering	SEMESTER: 4th	NAME OF THE TEACHING FACULTY: **Er. Priyambika Sahoo**
SUBJECT: Th. 2 - DATA COMMUNICATION & COMPUTER NETWORK	**NO. OF DAYS/ PERIODS PER WEEK CLASS ALLOTTED: 4**	Semester From Date: **13.02.2023** **To Date: 23.05.2023** No. of Weeks: **15**

Weeks/Months	Class Day	Topic
1st	1st	Network& Protocol
	2nd	Data Communication
	3rd	Protocol & Architecture
	4th	Protocol & Architecture
2nd	1st	Network & classification
	2nd	Standards, OSI, TCP/IP
	3rd	Standards, OSI, TCP/IP
	4th	Data transmission Concepts
3rd	1st	Data transmission Concepts
	2nd	Terminology
	3rd	Analog and Digital Data transmission
	4th	Transmission impairments
4th	1st	Channel capacity
	2nd	Transmission media
	3rd	Guided Transmission,
	4th	Wireless Transmission
5th	1st	Data Encoding
	2nd	Digital data digital signals,
	3rd	Digital data analog signals
	4th	Digital data analog signals

6th	1st	Data Communication
	2nd	Data link control- Asynchronous and Synchronous
	3rd	Data link control- Asynchronous and Synchronous
	4th	Error Detection
7th	1st	Line configuration
	2nd	Flow Control
	3rd	Error Control
	4th	Multiplexing,
8th	1st	FDM synchronous TDM,
	2nd	FDM synchronous TDM,
	3rd	Statistical TDM
	4th	Switching & Routing
9th	1st	Circuit Switching networks
	2nd	Packet Switching principles
	3rd	X.25
	4th	Routing in Packet switching
10th	1st	Congestion and Effects of congestion
	2nd	congestion control
10th	3rd	Traffic Management
	4th	Congestion Control in Packet Switching Network.
11th	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
12th	1st	Medium Access control
	2nd	Bridges
	3rd	Hub, Switch
	4th	Ethernet (CSMA/CD)

13th	1st	Fiber Channel	
	2nd	Wireless LAN Technology..	
	3rd	TCP/IP-TCP/IP Protocol Suite	
	4th	TCP/IP-TCP/IP Protocol Suite	
14th	1st	Basic Protocol functions	
	2nd	Basic Protocol functions	
	3th	Principles of Internetworking	
	4th	Principles of Internetworking	
15th	1st	Internet Protocol operations	
	2nd	Internet Protocol operations	
	3rd	Internet Protocol	
	4th	Revision	