

Academic Lesson Plan of Summer 2024

Department Information Technology	Semester 4th	Name of the teaching faculty Manalisa Giri
Subject: Data Communication & Computer network	No. of days/per week class allotted . 4p/week	Semester from : 16th Jan 2024 to 26th April 2024
		No. of weeks:15 weeks
Week	Days	Theory
1st week	1 st	Network & Protocol, Data Communication
	2 nd	Networks, Protocol & Architecture,
	3 rd	Standards, OSI, TCP/IP
	4 th	CONTINUE
2nd week	1 st	CONTINUE
	2 nd	REVISION
	3 rd	Data Transmission & Media, Data transmission Concepts and Terminology
	4 th	CONTINUE
3rd week	1 st	Analog and Digital Data transmission
	2 nd	Transmission impairments, Channel capacity
	3 rd	Transmission media, Guided Transmission, Wireless Transmission
	4 th	CONTINUE
4th week	1 st	REVISION
	2 nd	Data Encoding, Digital data digital signals,
	3 rd	Digital data analog signals
	4 th	CONTINUE
5th week	1 st	Analog data digital signals
	2 nd	Analog data analog signals
	3 rd	CONTINUE
	4 th	REVISION
6th week	1 st	Data Communication & Data link control, Asynchronous and Synchronous Transmission
	2 nd	Error Detection, Line configuration
	3 rd	Flow Control, Error Control, Multiplexing
	4 th	CONTINUE
7th week	1 st	FDM synchronous TDM, Statistical TDM
	2 nd	REVISION
	3 rd	Circuit Switching networks
	4 th	Packet Switching principles, X.25
8th week	1 st	Routing in Packet switching, Congestion
	2 nd	Effects of congestion, congestion control
	3 rd	CONTINUE
	4 th	REVISION
9th week	1 st	Continue
	2 nd	Traffic Management, Congestion Control in Packet Switching Network.
	3 rd	Continue
	4 th	MCQ'S
10th week	1 st	REVISION
	2 nd	LAN Technology, Topology and Transmission Media
	3 rd	CONTINUE
	4 th	REVISION
11th week	1 st	LAN protocol architecture
	2 nd	Medium Access control
	3 rd	Continue
	4 th	Bridges, Hub, Switch
12th week	1 st	Ethernet (CSMA/CD), Fiber Channel
	2 nd	Wireless LAN Technology..
	3 rd	REVISION
	4 th	TCP/IP
13th week	1 st	TCP/IP Protocol Suite
	2 nd	Basic Protocol functions, Principles of Internetworking
	3 rd	Continue
	4 th	Internet Protocol operations
14th week	1 st	Continue
	2 nd	Internet Protocol
	3 rd	REVISION
	4 th	Revision & Semester Question Answer Discussion
15th week	1 st	Revision & Semester Question Answer Discussion
	2 nd	Revision & Semester Question Answer Discussion
	3 rd	Revision & Semester Question Answer Discussion
	4 th	Revision & Semester Question Answer Discussion


 Signature of the Faculty