

LESSONPLAN

Department:CSE		Semester:4 th ,NameofFaculty:
Subject: Data Communication & Computer Network (DC&CN)	No.ofdays/ week Class allotted: 4	Effective From Date:
		No. ofWeek-15
		TopictobeCovered:
Week	ClassDay	Theory
1 st	1st	UNIT 1: NETWORK& PROTOCOL
	2nd	1.1 Data Communication
	3rd	1.2 Networks
	4th	1.3 Protocol & Architecture, Standards, OSI, TCP/IP
2 nd	1st	1. Doubt Clearing class 2. Quiz test 3. Assignment
	2nd	UNIT 2: Data Transmission & Media
	3rd	2.1 Data transmission Concepts and Terminology
	4th	2.2 Analog and Digital Data transmission
3 rd	1st	2.3 Transmission impairments, Channel capacity
	2nd	2.4 Transmission media
	3rd	2.4.1 Guided Transmission
	4th	2.4.2 Wireless Transmission
4 th	1st	1. Doubt Clearing class 2. Quiz test 3. Assignment
	2nd	UNIT 3: DATA ENCODING
	3rd	3.1 Data encoding,
	4th	3.2 Digital data digital signals
5 th	1st	3.3 Digital data analog signals
	2nd	3.4 Analog data digital signals
	3rd	3.5 Analog data analog signals
	4th	1. Doubt Clearing class 2. Quiz test 3. Assignment
6 th	1st	UNIT 4: DATA COMMUNICATION & DATA LINK CONTROL
	2nd	4.1 Asynchronous and Synchronous Transmission
	3rd	4.2 Error Detection
	4th	4.3 Line configuration
7 th	1st	4.4 Flow Control
	2nd	4.5 Error Control
	3rd	4.6 Multiplexing
	4th	4.7 FDM synchronous TDM
8 th	1st	4.8 Statistical TDM
	2nd	1. Doubt Clearing class 2. Quiz test 3. Assignment
	3rd	UNIT 5: SWITCHING & ROUTING
	4th	5.1 Circuit Switching networks
9 th	1st	5.2 Packet Switching principles
	2nd	5.3 X.25
	3rd	5.4 Routing in Packet switching

	4th	5.5 Congestion
10th	1st	5.6 Effects of congestion, congestion control
	2nd	5.7 Traffic Management
	3rd	5.8 Congestion Control in Packet Switching Network.
	4th	1. Doubt Clearing class 2. Quiz test 3. Assignment
11th	1st	UNIT 6: LAN TECHNOLOGY
	2nd	6.1 Topology and Transmission Media
	3rd	6.2 LAN protocol architecture
	4th	6.3 Medium Access control
12th	1st	6.4 Bridges, Hub, Switch
	2nd	6.5 Ethernet (CSMA/CD)
	3rd	6.5.1 Fiber Channel
	4th	6.6 Wireless LAN Technology
13th	1st	1. Doubt Clearing class 2. Quiz test 3. Assignment
	2nd	UNIT 7: TCP/IP
	3rd	7.1 TCP/IP Protocol Suite
	4th	7.2 Basic Protocol functions
14th	1st	7.3 Principles of Internetworking
	2nd	7.4 Internet Protocol operations
	3rd	7.5 Internet Protocol
	4th	1. Doubt Clearing class 2. Quiz test 3. Assignment
15th	1st	Revision
	2nd	Revision
	3rd	Previous Year Question Discussions
	4th	Previous Year Question Discussions

Signature of Faculty

Lecture, CSE
ASIAN SCHOOL OF TECHNOLOGY,
KHORDHA