Lesson Plan

Name of Faculty : Dr. Manju Devi, A.P of CSE

Discipline : CSE(DS)
Semester : 4th (EVEN)
Subject : Computer Networks(PC/CDS/42-T)
Work Load (Lecture/Practical) per week (in hours): Lectures-03hours.

Week	Theory		Topic Covered Date and Remarks		
	Lecture Day	Topic (Including Assignment/Test)	Date	HOD	Director-Principal
1st	1	Data Component, Data Representation & Data Flow			
	2	Network uses, Topologies, Network Services, Network Categories: LAN,WAN,MAN			
	3	OSI, TCP/IP Reference model			
2nd	4	Wireless Transmission Media,Switching Techniques: Packet, Message, Circuit.			
	5	Networking Devices: HUB, Repeater, Bridge			
	6	Modem, Switch, Router & Gateway.			
3rd	7	Data link Layer design issue.			
	8	Framing & error handling,Framing protocol,			
	9	error detection & correction protocol.Flow control protocol: stop & wait			
4th	10	**Assignment 1st**			
	11	Sliding window protocol			
	12	Go back N, Selective repeat.			
5th		**1st Minor Test**			
6th	13	Random access Aloha, MAC Sublayer, channel allocation method.			
	14	Slotted Aloha			
	15	CSMA, CSMA-CD			
7th	16	LAN Standards: Ethernet Fast Ethernet explanation.			
	17	Layered protocol architecture of Fast Ethernet			
	18	Gigabit Ethernet, Layered Protocol Architecture of Gigabit Ethernet			
8th	19	Network Layer-Design issues,Store & Packet Forwarding Switching.			
	20	Connection less, Connection oriented services.			
	21	Routing Algorithms like- shortest path, flooding.			
9th	22	Distance Vector routing, Link State routing.			
	23	Internetworking: IPV4,Frame Format of IPV4.			
	24	Layered Protocol Architecture of IPV4.IP Addressing of IPV4.			
10th		**2nd Minor Test**			
11th	25	**Assignment 2nd**			
	26	IP Classes. Overview of IPV6 ,Frame Format of IPV6.			
	27	IP Addressing (Classful Addressing, Classless Addressing, Sub-netting),			
12th	28	Introduction of ARP,RARP,ICMP Protocols.			
	29	Transport layer Services: Addressing, Multiplexing,			
	30	Flow Control,Buffering & Error Control of Transport Layer			
13th	31	Internet Transport Protocols: UDP,UDP Protocol Architecture.			
	32	TCP Protocol Overview,TCP Segment, TCP Connection.			
	33	Application Layer: Introduction to DNS,			
14th		**3rd Minor Test**			
15th	34	FTP, TELNET, HTTP, SMTP.			
	35	Overview of Electronics Mail.			
	36	Overview of W.W.W, Multimedia.			