Lesson Plan

Name of Faculty : **Sonam Bajaj, Assistant Professor of CSE**
Discipline : **Computer Science and Engineering**
Semester : **4th (EVEN)**
Subject : **Computer Network (CSE-206-T)**
Lesson Plan Duration : **15 weeks (from Jan to May-2021)**
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 Transmission Component, Data Representation & Data Flow			
	2	Network Topologies, Network Services			
	3	OSI, TCP/IP Reference model			
	4	Network Categories: LAN,WAN,MAN			
2nd	5	Switching Techniques: Packet, Message, Circuit.			
	6	Networking Devices: HUB, Repeater, Bridge			
	7	Modem, Switch, Router & Gateway.			
	8	Query Related to Above discussed topics.			
3rd	9	Data link Layer design issue.			
	10	Framing & error handling			
	11	Framing protocol, error detection & correction protocol.			
	12	Flow control protocol: stop & wait			
4th	13	**Assignment 1st**			
	14	Sliding window protocol			
	15	Go back N, Selective repeat.			
	16	MAC Sublayer, channel allocation method.			
5th	17	Random access Aloha			
	18	Slotted Aloha			
	19	CSMA, CSMA-CD			
	20	LAN Standards: Ethernet			
6th	21	Fast Ethernet explanation.			
	22	Layered protocol architecture of Fast Ethernet			
	23	Gigabit Ethernet			
	24	Layered Protocol Architecture of Gigabit Ethernet			
7th		**1st Minor Test**			
8th	25	Store & Packet Forwarding Switching.			
	26	Connection less, Connection oriented services.			
	27	Routing Algorithms like- shortest path, flooding.			
	28	Distance Vector routing, count to infinity problem.			
9th	29	Hierarchical & congestion control protocol.			
	30	Overview of IPV4			
	31	Frame Format of IPV4.			
	32	Layered Protocol Architecture of IPV4.			
10th	33	**Assignment 2nd**			
	34	IP Addressing of IPV4.			
	35	IP Classes.			
	36	Overview of IPV6			
11th	37	Frame Format of IPV6.			
	38	Layered Protocol Architecture of IPV6.			
	39	IP Addressing of IPV6 & CIDR.			
	40	Introduction of ARP,RARP			
12th	41	Explanation of ICMP, IRP Protocols.			
	42	UDP Protocols Overview, UDP Protocol Architecture.			
	43	Flow Control & Error Control of Transport Layer.			
	44	TCP Protocol Overview, TCP Protocol Architecture.			
13th	45	Addressing & Multiplexing in Transport Layer.			
	46	TCP Connection Management.			
	47	Overview of Domain Name System.			
	48	Query Related to UDP & TCP.			
14th		**2nd Minor Test**			
15th	49	Overview of Electronics Mail.			
	50	Application of E-Mail.			
	51	FTP, TELNET.			
	52	HTTP, SMTP.			