Lesson Plan

Name of Faculty   :   **Sonam, Assistant Professor of CSE**
Discipline   :   **Computer Science and Engineering**
Semester   :   **5th (odd)**
Subject   :   **High Speed Network (CSE-303-T)**
Lesson Plan Duration   :   **15 weeks (from August to December-2020)**
Work Load (Lecture/Practical) per week (in hours):   **Lectures-03hours.**

Week	Lecture Day	Topic (Including Assignment/Test)	Date	HOD	Director-Principal
		Theory		**Topic Covered Date and Remarks**	
1st	1	Overview of Fast Ethernet			
	2	Specification & Layered protocol Architecture of Gigabit Ethernet			
	3	Frame format & Application of Gigabit Ethernet			
	4	Specification & Layered protocol Architecture of 10 Gigabit Ethernet			
2nd	5	Frame format & Application of 10 Gigabit Ethernet			
	6	Fiber Channel Overview , Topologies , Ports			
	7	Layered Protocol Architecture, Frame Structure & Class of Services.			
	8	Problems Related to Previous Covered Topics.			
3rd	9	Frame Relay Protocol Architecture			
	10	Frame Realy Frame Format.			
	11	ISDN Channel ,Interface , Addressing			
	12	ISDN Protocol Architecture & Services.			
4th	13	**Assignment 1st**			
	14	B-ISDN Channel ,Interface , Addressing			
	15	B-ISDN Protocol Architecture & Services.			
	16	ATM Virtual Circuits, Cell Switching.			
5th	17	ATM Reference Model, Traffic Management.			
	18	Cell Switching of ATM.			
	19	Traffic Management of ATM.			
	20	Problem Related to Previous covered topics.			
6th	21	Existing & Emerging Standard of 802.11			
	22	Overview of Wireless LAN(802.11)			
	23	Broadband Wireless (802.16).			
	24	Bluetooth (802.15)			
7th		**1st Minor Test**			
8th	25	Protocol Architecture & Security of Wireless LAN.			
	26	Protocol Architecture & Security of Bluetooth.			
	27	Mobile Network GSM.			
	28	Mobile Network CDMA.			
9th	29	Problem Related to Previous covered topics.			
	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	Numerical of IPV4 & IPV6.			
12th	41	Query related to IPV4 & IPV6.			
	42	UDP Protocols Overview.			
	43	UDP Protocol Architecture.			
	44	TCP Protocol Overview.			
13th	45	TCP Protocol Architecture.			
	46	TCP Connection Management.			
	47	Overview of Domain Name Syatem.			
	48	Query Related to UDP & TCP.			
14th		**2nd Minor Test**			
15th	49	Overview of Electronics Mail.			
	50	Application of E-Mail.			
	51	Voice Over IP.			
	52	Problem Related to Whole Topics Covered.			