<div align="center">**Lesson Plan**</div>

Name of Faculty :   **Sonam, Assistant Professor of CSE**
Discipline :   **Computer Science and Engineering**
Semester :   **5th (odd)**
Subject :   **High Speed Network (PC/CSE/13-T)**
Lesson Plan Duration :   **15 weeks (from August to December-2024)**
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	Overview of Fast Ethernet			
	2	Specification & Layered protocol Architecture of Gigabit Ethernet			
	3	Frame format & Application of Gigabit Ethernet, Specification & Layered protocol Architecture of 10 Gigabit Ethernet			
2nd	4	Frame format & Application of 10 Gigabit Ethernet			
	5	Fiber Channel Overview , Topologies , Ports			
	6	Layered Protocol Architecture, Frame Structure & Class of Services.			
3rd	7	Frame Relay Protocol Architecture			
	8	Frame Realy Frame Format.			
	9	ISDN Channel ,Interface , Addressing, ISDN Protocol Architecture & Services.			
4th	10	**Assignment 1st**			
	11	B-ISDN Channel ,Interface , Addressing			
	12	B-ISDN Protocol Architecture & Services, ATM Virtual Circuits, Cell Switching.			
5th	13	ATM Reference Model, Traffic Management.			
	14	Cell Switching of ATM.			
	15	Traffic Management of ATM.			
6th	16	Existing & Emerging Standard of 802.11			
	17	Overview of Wireless LAN(802.11)			
	18	Broadband Wireless (802.16), Bluetooth (802.15)			
7th		**1st Minor Test**			
8th	19	Protocol Architecture & Security of Wireless LAN.			
	20	Protocol Architecture & Security of Bluetooth.			
	21	Mobile Network GSM, Mobile Network CDMA.			
9th	22	Overview of IPV4			
	23	Frame Format of IPV4.			
	24	Layered Protocol Architecture of IPV4.			
10th	25	**Assignment 2nd**			
	26	IP Addressing of IPV4.			
	27	IP Classes, Overview of IPV6			
11th	28	Frame Format of IPV6.			
	29	Layered Protocol Architecture of IPV6.			
	30	IP Addressing of IPV6 & CIDR.			
12th	31	Query related to IPV4 & IPV6.			
	32	UDP Protocols Overview.			
	33	UDP Protocol Architecture, TCP Protocol Overview.			
13th	34	TCP Protocol Architecture.			
	35	TCP Connection Management.			
	36	Overview of Domain Name Syatem.			
14th		**2nd Minor Test**			
15th	37	Overview of Electronics Mail.			
	38	Application of E-Mail.			
	39	Voice Over IP.			