Lesson Plan

Name of Faculty :Meenakshi
Dicipline :ECE
Subject : CN
Lesson Plan duration :16Weeks(From10'JAN 2020 to April2020)

Work load (Lecture/Practical) per week (in hours):Lectures-04

Week	Lecture day	Theory Topic(Including assignment/test)
1	1	**Concept of network basics**
	2	Peer-to –peer Network
	3	Server Client Network
	4	LAN, MAN and WAN
2	5	Network Services
	6	Topologies
	7	Switching Techniques
	8	Revision/Assignment
3	9	**OSI Model**
	10	Standards
	11	OSI Reference Model
	12	OSI Physical layer concepts
4	13	OSI Data-link layer concepts
	14	OSI Networks layer concepts
	15	OSI Transport layer concepts
	16	OSI Session layer concepts
5	17	OSI presentation layer concepts
	18	OSI Application layer concepts
	19	Revision/Assignment
	20	**Introduction to TCP/IP**
6	21	Concept of physical and logical addressing
	22	Different classes of IP addressing, special IP address
	23	Sub netting and super netting
	24	Loop back concept
7	25	IPV4 and IPV6 packet Format
	26	Configuring IPV4 and IPV6
	27	Revision/Assignment
	28	Revision/Assignment
8	29	**Cables and Connectors**
	30	Types of Cables, Shielded and Unshielded Pair of Cables
	31	(Straight wire Cable, CrossOver Cables) with colour coding.
	32	Ethernet Specification and Standardization:
9	33	10 Mbps , 100 Mbps and 1000 Mbps, Leased lines.
	34	Use of RJ45, RJ11, BNC,SCST.
	35	Revision/Assignment
	36	Revision/Assignment
10	37	**Network Connectivity**
	38	Network connectivity Devices
	39	NICs

	40	Hubs
	41	Repeaters
11	42	Switches
	43	Routers and Routing Protocols.
	44	Configuring of Routers.
	45	VOIP and Net-to-Phone Telephony
12	46	Revision/Assignment
	47	Revision/Assignment
	48	Revision/Assignment
	49	**Network Administration / Security**
13	50	Client/Server Technology
	51	Server Management
	52	RAID management and mirroring
	53	Cryptography
14	54	Ethical Hacking
	55	Revision/Assignment
	56	Revision/Assignment
	57	Wireless Networking
15	58	Basics of Wireless:
	59	Wireless MAN,
	60	, Networking
	61	Wireless LAN
16	62	Wi-Fi
	63	Wi Max (Broad-band Wireless) and Li-Fi
	64	Revision