Sardar Vallabhbhai Patel Institute Of Technology- SVIT- VASAD

LESSON PLAN

Name: PDD & VHP
Designation:Assistant Professor
Department: Information Technology

Subject: Computer Network
Subject code:2140709
Class of : IT I

Hrs/Week: 4
Total weeks: 10
Total Hrs: 40

Hrs	Details of Topics to be Covered in one lecture from GTU syllabus		Proposed Date	Actual Date
	Lesson 1: Introduction to Computer Networks and Internet			
1	Understanding of Network and Internet,	VHP	8/1	
2	The Network Edge	VHP	9/1	
3	The Network Core	VHP	16/1	
4	Understanding of Delay, Loss and Throughput in PSN	VHP	22/1	
5		VHP	23/1	
6	Protocol Layers and their service Model	VHP	29/1	
7	History of Computer Network	VHP	30/1	
	Lesson 2: Application Layer			
8	Principles of Computer Application	VHP	5/2	
9		VHP	6/2	
10	Web and HTTP	VHP	12/2	
11		VHP	26/2	
12	Email	VHP	27/2	
13	Domain Name System	VHP	5/3	
14	Socket Programming with TCP/UDP (Clubed with Lab)	VHP	19/3	
	Lesson 3: Transport Layer			
15	Introduction and Transport Layer services	VHP	23/3	
16	Multiplexing and Demultiplexing	VHP	26/3	
17	Connection Less transport(UDP)	VHP	27/3	
18		VHP	2/4	
19	Principles of Reliable Data transfer	VHP	3/4	
20		VHP	9/4	
21	Connection Oriented transport (TCP)	PDD	28/3	
22		PDD	30/3	
23	Congestion Control	PDD	4/4	
24		PDD	11/4	
	Lesson 4: Network Layer			
25	Introduction, Virtual and Datagram Networks	PDD	3/1	
26		PDD	5/1	
27		PDD	10/1	
28	Study of Router	PDD	12/1	
29	IP protocol and Addressing	PDD	17/1	
30		PDD	24/1	
31	Routing Algorithms	PDD	31/1	
32		PDD	2/2	
33	Broadcast and Multicast Routing	PDD	7/2	
34		PDD	14/2	
	Lesson 5: The Link Layer and Local Area Network			
35	Introduction and Link Layer services	PDD	16/2	
36	Error detection and correction	PDD	23/2	
37	Multiple Access Protocols	PDD	28/2	
38		PDD	7/3	
39	Addressing	PDD	9/3	
40	Ethernet, Switches	PDD	21/3	

* in which class is actually conducted

If subject is shared between two faculties then Name of the other faculty:

PDD & VHP

Text Book: Computer Networking - A top down Approach by James Kurose and Keith Ross(5th Edition)

Reference Book:

1. Computer Networks- A Top-Down approach, Behrouz Forouzan, McGraw Hill
2. Computer Networks (4th edition), Andrew Tanenbaum, Prentice Hall
3. Computer Networking and the Internet (5th edition),Fred Halsall, Addison Wesley
4. Data Communications and Networking (4th edition), Behrouz Forouzan, McGraw Hill
5. TCP/IP Protocol Suite (3rd edition), Behrouz Forouzan, McGraw Hill

Date of preparation: 20/12/2017

Signature of faculty: Vibhavari Patel **.rtment HOD signature with date**