Sardar Vallabhbhai Patel Institute Of Technology- SVIT- VASAD

LESSON PLAN

Name: Pravin Jadav   **Subject: Computer Network**   Hrs/Week: 4

Designation:Assistant Professor   **Subject code:2140709**   Total weeks: 10

Department: Information Technology   Class of : IT II   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,	26/12/2017	
2	The Network Edge	28/12/2017	
3	The Network Core	29/12/2017	
4	Understanding of Delay, Loss and Throughput in PSN	01/01/2018	
5		02/01/2018	
6	Protocol Layers and their service Model	04/01/2018	
7	History of Computer Network	05/01/2018	
	Lesson 2: Application Layer		
8	Principles of Computer Application	08/01/2018	
9		09/01/2018	
10	Web and HTTP	11/01/2018	
11		12/01/2018	
12	Email	15/01/2018	
13	Domain Name System	16/01/2018	
14	Socket Programming with TCP/UDP (Clubed with Lab)	18/01/2018	
	Lesson 3: Transport Layer		
15	Introduction and Transport Layer services	19/01/2018	
16	Multiplexing and Demultiplexing	22/01/2018	
17	Connection Less transport(UDP)	23/01/2018	
18		25/01/2018	
19	Principles of Reliable Data transfer	29/01/2018	
20		30/01/2018	
21	Connection Oriented transport (TCP)	01/02/2018	
22		02/02/2018	
23	Congestion Control	05/02/2018	
24		06/02/2018	

	Lesson 4: Network Layer		
25		08/02/2018	
26	Introduction, Virtual and Datagram Networks	09/02/2018	
27		12/02/2018	
28	Study of Router	15/02/2018	
29	IP protocol and Addressing	16/02/2018	
30		19/02/2018	
31	Routing Algorithms	20/02/2018	
32		26/02/2018	
33	Broadcast and Multicast Routing	27/02/2018	
34		01/03/2018	
	Lesson 5: The Link Layer and Local Area Network		
35	Introduction and Link Layer services	19/03/2018	
36	Error detection and correction	20/03/2018	
37	Multiple Access Protocols	22/03/2018	
38		23/03/2018	
39	Addressing	24/03/2018	
40	Ethernet, Switches	26/04/2018	

 * in which class is actually conducted

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

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

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: 16/1/2017
Signature of faculty: Pravin Jadav   t **HOD signature with date**