Sardar Vallabhbhai Patel Institute Of Technology- SVIT- VASAD

LESSON PLAN

Name: **Falguni N. Patel**   Subject: Computer Organization   Hrs/Week: 2

Designation: **Assistant Professor**   Subject code:-2140707   Total weeks: 13

Department:IT   Class of : IT-I   Total Hrs: 26

Hrs	Details of Topics to be Covered in one lecture from GTU syllabus	Proposed Date	Actual Date
	Syllabus Lesson No.3-Programming The Basic Computer		
1	Introduction, Machine Language,	29/12/2017	
2	Assembly Language	30/12/2017	
3	assembler and phases	5/1/2018	
4	Program loops	6/1/2018	
5	Programming Arithmetic and logic operations	12/1/2018	
6	subroutines, I-O Programming	13/1/2018	
	Syllabus Lesson No.5-Central Processing Unit		
7	Introduction, General Register Organization	19/1/2018	
8	Stack Organization,	20/1/2018	
9	Instruction format,	27/1/2018	
10	Addressing Modes,	2/2/2018	
11	data transfer and manipulation	3/2/2018	
12	Program Control	9/2/2018	
13	Reduced Instruction Set Computer (RISC)	10/2/2018	
	Syllabus Lesson No.7-Computer Arithmetic		
14	Introduction, Addition and subtraction,	16/2/2018	
15	Introduction, Addition and subtraction,	17/2/2018	
16	Multiplication Algorithms(Booth Multiplication Algorithm)	3/3/2018	
17	Division Algorithms	9/3/2018	
18	Floating Point Arithmetic operations	10/3/2018	
19	Decimal Arithmetic Unit	16/3/2018	
	Syllabus Lesson No.9-Memory Organization		
20	Memory Hierarchy	17/3/2018	
21	Main Memory, Auxiliary Memory	23/3/2018	
22	Associative Memory, Cache Memory,Virtual Memory.	24/3/2018	
	Syllabus Lesson No.10-Multipreocessors		

23	Characteristics of Multiprocessors	31/3/2018	
24	Interconnection Structures, Inter-processor Arbitration	6/4/2018	
25	Inter-processor Communication andSynchronization	7/4/2018	
26	Cache Coherence, Shared Memory Multiprocessors	13/4/2018	

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

Text Book: Computer System Architecture**, by** M. Morris Mano; **Publication** Pearson.

Reference Book: Computer Architecture and Organization **by** John Hayes, ; **Publication** McGrawHill

Date of preparation:15/12/2017
Signature of faculty:

Prof. Falguni N. Patel

Department HOD signature with date