Sardar Vallabhbhai Patel Institute Of Technology- SVIT- VASAD

LESSON EXECUTED

Name: **Prof. Falguni Patel** Subject: **COMPUTER PROGRAMMING AND UTILIZATION** **Hrs/Week: 3/1**

Designation: **Assistant Professor** **Subject code : 2110003** **Total week required: 12**

Department: IT **Class of : FYIT -A** **Total Hrs required: 36**

Semester : 2

LECTURE NO.	Details of Topics to be Covered in one lecture	Actual Date dd/mm/yr	Slot No *.	No. of Present Student	Sign of HOD/Principal
	Syllabus Lesson No .1 Introduction to computer and programming				
1	Introduction ,Basic block diagram and functions of various components of computer				
2	Concepts of Hardware and software,Types of softwares				
3	Compiler and interpreter, Concepts of Machine level				
4	Assembly level and high level programming				
5	Flow charts and Algorithms				
	Syllabus Lesson No.2 Fundamentals of C				
6	Features of C language, structure of C Program,				
7	comments, header files,data types				
8	constants and variables,variables,operators				
9	expressions,evaluation of expressions, type conversion				
10	precedence and associativity, I/O functions				
	Syllabus Lesson No.3 Control structure in C				
11	Simple statements				
12	Decision making statements				
13	Looping statements				
14	Nesting of control structures				
15	break and continue				
16	goto statement				
	Syllabus Lesson No.4 Array & String				
17	Concepts of array				
18	one and two dimensional arrays				
19	declaration and initialization of arrays				
20	string , string storage				
21	Built-in-string functions				
22	Basics of pointers, pointer to pointer				
23	pointer and array ,pointer to array				

24	array of pointers ,functions returning a pointer					
	Syllabus Lesson No.5 Functions					
25	Concepts of user defined functions, prototypes,					
26	definition of function , prarameters					
27	parameter passing , calling a function					
28	recursive function,Macros intoduction					
29	Macros , Pre-processing					
	Syllabus Lesson No.7 Structure					
30	Basics of structure , structure members, accessing structure members,nested structures					
31	array of structures, structure and functions, structures and pointers					
32	structure and functions, structures and pointers					
	Syllabus Lesson No.8 Dynamic memory allocation					
33	Introduction to Dynamic memory allocation,					
34	malloac, Calloc					
	Syllabus Lesson No.9 File management					
35	Introduction to file,file management					
36	file management funcations,Quiz					

 * in which it is actually conducted & mark ** if conducted due to load adjustment.

Text Book: Programming in ANSI C by Balaguru swamy

Name of the Faculty: Prof. Falguni N. Patel
Signature of the faculty: **Principal's Signature**