

TEACHING PLAN FOR THEORY

Name of Subject Teacher: Ms. Poonam Dhamal

Subject: Programming In C Class: Division D		Branch: F.Y. B. Tech.	Year 2017-2018
Lecture No	Scheduled Date	Topics to be covered on the scheduled date	
		UNIT - I Basics of Programming	
1	03/07/2017	Basics of programming: approaches to Problem solving	
2	04/07/2017	Concept of algorithm and flow charts with e.g.	
3	10/07/2017	Types of computer languages: Machine language, assembly language and high level language	
4	11/07/2017	Concept of assembler, compiler, loader and linker.	
		UNIT – II C Programming fundamentals	
5	17/07/2017	Types of programming language	
6	18/07/2017	Introduction to C language, tokens, character set, constants, variables, data types, keywords,	
7	24/07/2017	Expressions, operators in C and its types	
8	25/07/2017	Standard input- output statements in C, structure of C-program.	
		UNIT – III Conditional Program Execution	
9	07/08/2017	Conditional Program Execution: Applying if and switch statements	
10	08/08/2017	Nesting if and else, restrictions on switch values, use of break and default with switch	
11	14/08/2017	Uses of while, do and for loops	
12	21/08/2017	Multiple loop variables, assignment operators, using break and continue.	

		UNIT – IV Introduction to function and Arrays
13	22/08/2017	Standard library functions and user defined functions
14	28/08/2017	function declaration, function definition and function call - call by value and call by reference, return statement
15	29/08/2017	Recursion, Introduction to array, One and Two Dimensional Arrays
16	11/09/2017	Initialization, Operations on one & two dimensional arrays.
		UNIT – V Introduction to String
17	12/09/2017	Definition of string, Declaration of string, Reading, Writing
18	18/09/2017	String handling operations using library functions, Examples of stings.
19	19/09/2017	String handling operations without using library functions
20	25/09/2017	Examples of stings
		UNIT - VI Structure
21	26/09/2017	Introduction to Structure definition.
22	03/10/2017	Initializing, Assigning values, passing of structure as arguments
23	09/10/2017	Unions, Programming Examples. Standard C preprocessors
24	10/10/2017	Defining and calling macros, Storage Classes with types.