

## TEACHING PLAN FOR THEORY

Name of Subject Teacher: Ms. Poonam Dhamal

<b>Subject: Programming In C Class: Division D</b>		<b>Branch: F.Y. B. Tech.</b>	<b>Year 2017-2018</b>
<b>Lecture No</b>	<b>Scheduled Date</b>	<b>Topics to be covered on the scheduled date</b>	
		<b>UNIT - I Basics of Programming</b>	
1	04/07/2017	Basics of programming: approaches to Problem solving	
2	05/07/2017	Concept of algorithm and flow charts with e.g.	
3	11/07/2017	Types of computer languages: Machine language, assembly language and high level language	
4	12/07/2017	Concept of assembler, compiler, loader and linker.	
		<b>UNIT – II C Programming fundamentals</b>	
5	18/07/2017	Types of programming language	
6	19/07/2017	Introduction to C language, tokens, character set, constants, variables, data types, keywords,	
7	25/07/2017	Expressions, operators in C and its types	
8	26/07/2017	Standard input- output statements in C, structure of C-program.	
		<b>UNIT – III Conditional Program Execution</b>	
9	08/08/2017	Conditional Program Execution: Applying if and switch statements	
10	09/08/2017	Nesting if and else, restrictions on switch values, use of break and default with switch	
11	16/08/2017	Uses of while, do and for loops	
12	22/08/2017	Multiple loop variables, assignment operators, using break and continue.	

		<b>UNIT – IV Introduction to function and Arrays</b>
13	23/08/2017	Standard library functions and user defined functions
14	29/08/2017	function declaration, function definition and function call - call by value and call by reference, return statement
15	30/08/2017	Recursion, Introduction to array, One and Two Dimensional Arrays
16	12/09/2017	Initialization, Operations on one & two dimensional arrays.
		<b>UNIT – V Introduction to String</b>
17	13/09/2017	Definition of string, Declaration of string, Reading, Writing
18	19/09/2017	String handling operations using library functions, Examples of stings.
19	20/09/2017	String handling operations without using library functions
20	26/09/2017	Examples of stings
		<b>UNIT - VI Structure</b>
21	27/09/2017	Introduction to Structure definition.
22	03/10/2017	Initializing, Assigning values, passing of structure as arguments
23	04/10/2017	Unions, Programming Examples. Standard C preprocessors
24	10/10/2017	Defining and calling macros, Storage Classes with types.