

Course / Topic wise Schedule of Teaching

Name of The Faculty :	Year / Sem : 3
Name of The Programme : Diploma	Paper Code : CS1301
Name of The Paper : Programming in C	Session : 2022-23
	Section :

Unit	Topic	No. Lecture taken	Teaching Methodology	CO / Bloom	Start Date	Complete Date	Reading References
Algorithm and Programming Development, Program Str	Algorithm and Programming Development	0	N/A	CO1 / UN			
	Steps in development of a program	0	N/A	CO1 / UN			
	Flow charts	0	N/A	CO1 / AP			
	Algorithm development, Debugging	0	N/A	CO1 / UN			
	I/O statements, assignment statements	0	N/A	CO1 / UN			
	Constants, variables and data types	0	N/A	CO1 / UN			
	Operators and Expressions, Use of Header files & Library functions	0	N/A	CO1 / AP			
	Key word, data Types and Identifiers	0	N/A	CO1 / UN			
Arrays, Pointers	Introduction to Arrays	0	N/A	CO3 / UN			
	Array Declaration and Initialization	0	N/A	CO3 / RE			
	Single and Multidimensional Array	0	N/A	CO3 / UN			
	Arrays of characters	0	N/A	CO3 / UN			
	Introduction to Pointers	0	N/A	CO3 / UN			
	Address operator, pointer and functions	0	N/A	CO3 / AP			
	Declaring and Initializing pointers	0	N/A	CO3 / AP			
	Assignment through pointers, Pointers and Arrays.	0	N/A	CO3 / AP			
Control Structures, Functions	Introduction of control structure	0	N/A	CO2 / UN			
	Decision making with IF – statement, IF – Else and Nested IF	0	N/A	CO2 / AP			
	While and do-while	0	N/A	CO2 / AP			
	for loop, Break and switch statements	0	N/A	CO2 / AP			
	Introduction to functions, Function Declaration	0	N/A	CO2 / UN			
	Standard functions, Parameters and Parameter Passing	0	N/A	CO2 / UN			
	Call by value/reference	0	N/A	CO2 / AP			
	Global and Local Variables, Recursion.	0	N/A	CO2 / UN			

Files	Introduction of files	0	N/A	CO5 / RE			
	File reading in different modes	0	N/A	CO5 / AP			
	File writing in different modes	0	N/A	CO5 / AP			
	File manipulation	0	N/A	CO5 / UN			
	File manipulation using standard function types	0	N/A	CO5 / AP			
Structures and Unions, Strings	Declaration of structures	0	N/A	CO4 / UN			
	Accessing the Structure	0	N/A	CO4 / AP			
	Structure Initialization	0	N/A	CO4 / UN			
	Arrays of structures, Unions	0	N/A	CO4 / RE			
	Memory allocation functions	0	N/A	CO4 / AN			
	Introduction, Declaring and Initializing string variables	0	N/A	CO4 / AP			
	Reading and writing strings	0	N/A	/			
	String handling functions, Array of strings	0	N/A	/			