

Lesson Plan

Name of Faculty : Guest Faculty-1
 Discipline : Computer Engg.
 Semester : 3rd
 Subject : Programming in C
 Lesson Plan Duration : 15 Weeks (from July-2018 to Dec-2018)
 Work Load (Lecture / Practical) per Week (in h) : Lecture - 4 Practical - 6

Week	Theory		Practical	
	Lecture Day	Topic (including assignment/test)	Practical Day	Topic
1"	1st	Introduction to Algorithm and Programming Development	1st	Programming exercises on executing and editing a C program.
	2nd	Steps in development of a program	2nd	
	3rd	Flow charts	3rd	Programming exercises on defining variables and assigning values to variables.
	4th	Algorithm development	4th	
2"	5th	Programme Debugging	5th	Practice of above programmes And File Checking
	6th	Program Structure :- I/O statements	6th	
	7th	assign statements	7th	Programming exercises on arithmetic and relational operators.
	8th	Constants, variables	8th	
3"	9th	data types	9th	Practice of above programe And File Checking
	10th	Operators, Expressions	10th	
	11th	Unformatted and Formatted IOS	11th	Programming exercises on arithmetic expressions and their evaluation
	12th	Data Type Casting	12th	
4"	13th	Test	13th	Programming exercises on formatting input/output using printf and scanf and their return type values.
	14th	Test	14th	
	15th	Control Structures :- Introduction	15th	Practice of above programmes And File Checking
	16th	Decision making with IF – statement	16th	
5"	17th	IF – Else	17th	Programming exercises using if statement
	18th	Nested IF	18th	
	19th	While and do-while loop	19th	Programming exercises using if – Else
	20th	for loop	20th	
6"	21st	Break. Continue	21st	Practice of above programmes And File Checking
	22nd	goto, switch statements	22nd	
	23rd	Test	23rd	Programming exercises on switch statement.
	24th	Pointers :- Introduction to pointers	24th	
7"	25th	Address operator	25th	Programming exercises on do – while, statement.
	26th	and pointers	26th	
	27th	Declaring pointers	27th	Practice of above programmes And File Checking
	28th	initializing pointers	28th	
8"	29th	Single pointer	29th	Programming exercises on for – statement
	30th	Test	30th	
	31st	Functions:- Introduction to functions	31st	Simple programs using pointers.
	32nd	Global and Local Variables	32nd	
9"	33rd	Function Declaration	33rd	Practice of above programmes And File Checking
	34th	Standard functions	34th	
	35th		35th	Programs on one-dimensional array
	36th	Parameters and Parameter Passing	36th	
10"	37th	Call - by value/reference	37th	Programs on two-dimensional array.
	38th	Test	38th	
	39th	Arrays and Strings:- Introduction to Arrays	39th	Practice of above programmes And File Checking
	40th	Array Declaration, Length of array	40th	
11"	41st	Single and Multidimensional Array	41st	(i) Programs for putting two strings together.
	42nd	Arrays of characters	42nd	(ii) Programs for comparing two strings.
	43rd	Introduction of Strings	43rd	Simple programs using functions
	44th	String declaration and definition	44th	
12"	45th	String Related function i.e. strlen, strcpy, strcmp	45th	Practice of above programmes And File Checking
	46th	Passing an array to function	46th	

12"	47th	Pointers to an array and strings	47th	Simple programs using structures
	48th	Test	48th	
13"	49th	Structures and Unions :-Declaration of structures	49th	Simple programs using union.
	50th	Accessing structure members	50th	
	51st	Structure Initialization	51st	Practice of above programes And File Checking
	52nd	Pointer to a structures	52nd	
14"	53rd		53rd	
	54th	Unions	54th	
	55th		55th	
	56th	Test	56th	