LessonPlan

Name of Faculty: Ms.Varsha Rani in CSE
Branch   : ME/FT/ECE/EE
Semester   :2ND Sem
Subject   :ProgrammingforProblemsolvinglab
Duration   :WorkLoad(Lecture/Practical)perweek(inhours):Practical-04hours

Practical Day	Theory/Practical(CSEG3/CE G2)		TopicCovered DateandRemarks		
	ModuleName	Topics/ Programs	Date	HOD	Director-Principal
1st	Familiarizationwith programming environment:-	1. Introductiontoprogramming 2. Writeaprogramtoprintyourbasicdetailinmulti statements.			
2nd	Variabletypeandtype conversion	Program to perform simple input output operations. ProgramtoperformsimplearithmeticoperationsinC. Write the simple program to covert one data type to other . Programtofindareaandperimeterofrectangle. Program to find area and perimeter of circle. Giventhevalueofthreevariableenterbyuserwrite program to compute value of x wherex=a/(b-c).			
3rd	Branchingandlogical expressions	Programtofindgreatest ofthreenumberusingnested if and else if statements. Programtofindwhetheragivennumber oddoreven. Program to print day of week using switch case statements. Programtofindrootsofaquadraticequation. Program to find the following expression: 1)4*5+5/2-9%2 (2)3*5/2+6*9%3+2*3-3.			
4th	Loops,whileloop,for loop	Program to print counting 1 to 10 using all loop. Programtoprintatableofanynumber. Programtoprint Fibonacci series. Programtofindsumofindividualdigitsofpositive integer and test given no. is palindrome. Programthatfindsgivennumberisprime.Programto reverse the digits of given number.			
5th	1Darray	Programtoinsert5elementsintoarrayandprint elements of array. Programtofindaveragemarksofclass.Programmerge to sorted array in oneProgram to find Average of ten number usingarray			
6th	2Darray	Program to add two matrices in 2 D array. Programtomultiplicationtwomatricesinarray. ProgramtoTranspose ofmatrix.			
7th		Minortest1st			
8th	Functions	Functionscall byvalueFunction call byreference. Programtocreateaafunctiontoswaptwonumber using call by value. Programtocalculatefactorialofnumberusing recursion.			
9th	Pointers,recursion function	Programtounderstandbasicuseofpointers. Program to Fibonacci series up to 20usingrecursive numbers.			
10th	Structure	Programtofinduserdefinedatatypenamelystudent and implement it using structure.			
11th	Filehandling	Programtoreadasimplefileusingfile handling.			

12th	Sortingsearching	Program to implement binary search. Program to implementlinearsearch.Programtoimplementmerge sort. Program to implement selection sort. Program to implementinsertionsort.Programtoimplementquick sort.			