Lesson Plan

Name of Faculty : MS Varsha Rani (CSE)
Discipline : CE
Semester : 1st Sem
Subject : Programming for Problem solving lab
Lesson Plan Duration: Work Load per week (in hours): Practical-04 hours

Practical Day	Theory/ Practical (Group-I/ II)		Topic Covered Date and Remarks		
	Module Name	Topics/ Programs	Date	HOD	Director-Principal
1st	Familiarization with programming environment: -	**1.** Introduction to programming **2.** Write a program to print your basic detail in mutli statements.			
2nd	Variable type and type conversion	Program to perform simple input output operations. Program to perform simple arithmetic operations in C. Write the simple program to covert one data type to other Program to find area and perimeter of rectangle. Program to find area and perimeter of circle. Given the value of three variable enter by user write program to compute value of x where x=a/(b-c).			
3rd	Branching and logical expressions	Program to find greatest of three number using nested if and else if statements. Program to find whether a given number odd or even. Program to print day of week using switch case statements. Program to find roots of a quadratic equation. 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, while loop, for loop	Program to print counting 1 to 10 using all loop. Program to print a table of any number. Program to print Fibonacci series. Program to find sum of individual digits of positive integer and test given no. is palindrome. Program that finds given number is prime. Program to reverse the digits of given number			
5th	1D array	Program to insert 5 elements into array and print elements of array. Program to find average marks of class. Program merge to sorted array in one. Program to find Average of ten number using array			
6th	2 D array	Program to add two matrices in 2 D array. Program to multiplication two matrices in array. Program to Transpose of matrix.			
7th		Minor test 1st			
8th	Functions	Functions call by value Function call by reference. Program to create a a function to swap two number using call by value. Program to calculate factorial of number using recursion,			
9th	Pointers , recursion function	Program to understand basic use of pointers. Program to Fibonacci series up to 20 using recursive numbers.			
10th	Structure	Program to find user define data type namely student and implement it using structure.			
11th	File handling	Program to read a simple file using file handling.			
12th	Sorting searching	Program to implement binary search. Program to implement linear search. Program to implement merge sort. Program to implement selection sort. Program to implement insertion sort. Program to implement quick sort.			