

GOVT. POLYTECHNIC, HAMIRPUR (H.P.)
Practical Planning

Branch: Information Technology

Semester: 3rd

Subject: CPUC

Session: July 2025

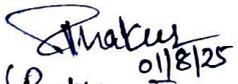
Teacher: Pratibha Thakur

Lab: CC-1 Lab

S.No.	No. of practical hours planned	Experiment Objective	
1.	3	To set up and get familiar with the programming environment (Editor, Compiler, Linker)	
2.	3	To declare, initialize and use variables of various data types in 'C'.	
3.	3	To demonstrate printf() and scanf() functions with different format specifiers.	
4.	3	To demonstrate various arithmetic operators and arithmetic expressions.	
5.	4	To demonstrate various bitwise operators.	
6.	3	To use if...else statement to check whether a given year is a leap year.	
7.	3	To use switch...case statement to print the numbers entered by the user(1-10) in words.	
8.	3	To use while statement to reverse the digits of a given number.	
9.	3	To use for statement to print the multiplication table of a given number.	
10.	3	To implement a menu driven arithmetic calculator using do while loop.	
11.	3	To read the marks of 10 students in an array and calculate their average.	
12.	3	To read two matrices and compute their sum using 2-Dimensional arrays.	
13.	3	To reverse the characters of a given string.	
14.	4	To demonstrate strlen(), strcat(), strcmp() functions.	
15.	3	To swap values of two variables using a function.	
16.	3	To compute the factorial of a given number using recursion.	
17.	3	To read the data of a student in a structure and print it.	
18.	3	To count the number of vowels in a given string using a pointer.	

References:

R1: Lab Manual


(Pratibha Thakur)
Signature of Teacher with Date


(Pankaj Thakur)
Signature of HOD