

Govt. Polytechnic Hamirpur (H.P.)

Practical Planning & Coverage

Branch : **Computer Engineering & IoT**

Semester : **3rd**

Subject : **(G1)CPUC**

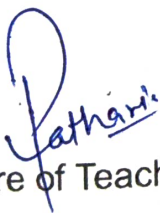
Session: **August-Dec 2026**

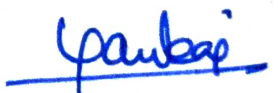
Teacher: **Vijay Pathania**

Laboratory: **Programming Lab**

Pract No.	Description of Practical	Reference for Procedure/ Writeup	Likely Dates	Actual Dates	Signature
1.	To set up and get familiar with the programming environment (Editor, Compiler, Linker)	Lab Manual	03/08/2026		
2.	To declare, initialize and use variables of various data types in 'C'.	Lab Manual	10/08/2026		
3.	To demonstrate printf() and scanf() functions with different format specifiers.	Lab Manual	17/08/2026		
4.	To demonstrate various arithmetic operators and arithmetic expressions.	Lab Manual	24/08/2026		
5.	To demonstrate various bitwise operators.	Lab Manual	03/09/2026		
6.	To use if...else statement to check whether a given year is a leap year	Lab Manual	07/09/2026		
7.	To use switch...case statement to print the numbers entered by the user (1-10) in words.	Lab Manual	14/09/2026		
8.	To use a while statement to reverse the digits of a given number.	Lab Manual	21/09/2026		
9.	To use for statement to print the multiplication table of a given number.	Lab Manual	24/09/2026		

10	To implement a menu driven arithmetic calculator using do while loop	Lab Manual	28/09/2026		
11	To read the marks of 10 students in an array and calculate their average.	Lab Manual	05/10/2026		
12	To read two matrices and compute their sum using 2-Dimensional arrays.	Lab Manual	08/10/2026		
13	To reverse the characters of a given string.	Lab Manual	12/10/2026		
14	To demonstrate strlen(), strcat(), strcmp() functions.	Lab Manual	19/10/2026		
15	To swap values of two variables using a function.	Lab Manual	02/11/2026		
16	To compute the factorial of a given number using recursion	Lab Manual	09/11/2026		
17	To read the data of a student in a structure and print it.	Lab Manual	16/11/2026		
18	To count the number of vowels in a given string using a pointer.	Lab Manual	23/11/2026		


Signature of Teacher.


Signature of H.O.D.