**SHRI G.S. INSTITUTE OF TECHNOLOGY & SCIENCE, INDORE**

**DEPARTMENT OF COMPUTER ENGINEERING**

**CO 10504 Computer Programming**

**Lab Assignment No. 00**

**Max. Marks: 10**

**Note:**

* Late submission and copying is not allowed. If found then students involved in copying will fail in this course.
* Along with C program also write flowchart and algorithm.

**Objective:** Objective of this assignment is to learn and practice different basic Linux commands and the basic programming logic.

1. Describe different Linux commands like cat, clear, rm, cd, man, ps, kill, ls, cp, mkdir, cal, date, time, df, find, rmdir, mv, pwd, passwd, touch, who.
2. Write a c program to print your name, branch and course on computer screen.
3. Describe the Linux editor (gedit/ vi editor).
4. Write configuration of computer which you are using in lab.
5. You have given two integers 10 and 20. Write a program for sum and difference of these two numbers.
6. Write a C program to find the average of three numbers.

**Input format:** Enter first number: 16

Enter second number: 40

Enter third number: 4

**Output:** Average of these numbers is 20.

1. Write a C program to find simple interest.

**Input format:** Enter Principle value: 1000

Enter rate: 5

Enter time: 4

**Output:** The simple interest is 200

1. Write a C program to compute the area of a right angled triangle from the values of base and height of that triangle.
2. Write a C program to swap the values of two numbers using third variable without using third variable. First print the original values of the numbers then print the swapped values.
3. Write a C program to find the greatest among three numbers.