**DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING**

**YEAR / SEM : I/II SUB CODE / TITLE: CS3271/Programming in C Laboratory**

**LIST OF EXPERIMENTS**

1. Write a C program using decision-making constructs.
2. Write a C program using decision-making constructs.
3. Write a C program to find whether the given year is leap year or Not.
4. Write a C program to design a calculator to perform arithmetic operations.
5. Write a C program to check whether a given number is Armstrong number or not.
6. Write a C program to find sum of weights and sort the numbers on weight in the increasing order.
7. Write a C program to populate an array with height of persons and find how many persons are above the average height.
8. Write a C program to populate a two-dimensional array with height and weight of persons and compute the Body Mass Index of the individuals.
9. Write a C program to reverse the string without changing the position of special characters.
10. Write a C program to convert the given decimal number into binary, octal and hexadecimal numbers using user defined functions.
11. Write a C program to find the total number of words in a paragraph.
12. Write a C program to capitalize the first word of each sentence in a paragraph.
13. Write a C program to replace a given word with another word in a paragraph.
14. Write a C program to solve towers of Hanoi using recursion.
15. Write a C program to sort the list of numbers using pass by reference.
16. Write a C program to generate salary slip of employees using structures and pointers.
17. Write a C Program to Compute internal marks of students for five different subjects using structures and functions.
18. Write a C program to insert, update, delete and append telephone details of an individual or a company into a telephone directory using random access file.
19. Write a C program to count the number of account holders whose balance is less than the minimum balance using sequential access file.
20. Write a C program for railway reservation system with the modules namely booking, availability checking, and cancellation