

**DEPARTMENT OF COMPUTER ENGINEERING**  
**CO 10507 Programming for Problem Solving**  
**LAB ASSIGNMENT -06**

**Note:**

**Submissions will be in assignment pages, and should be handwritten.**

**Draw Flowchart and Write Algorithms for every Program.**

1	Write a C program to merge contents of two files into a third file.	CO4
2	Write a program to search for a particular string in a text file and display all lines containing that string.	CO4
3	Write a program to count the number of words in a text file.	CO4
4	Write a C program to read numbers from a file and write even, odd and prime numbers to separate files.	CO4
5	Write a C++ program to make a simple calculator to add, subtract, multiply or divide using class and methods.	CO4
6	Write a C++ program to create a class called Rectangle that has private member variables for length and width. Implement member functions to calculate the rectangle's area and perimeter.	CO4
7	Write a C++ program to implement a class called Employee that has private member variables for name, employee ID, and salary. Include member functions to calculate and set salary based on employee performance.	CO4
8	Write a C++ program to demonstrate example of Single Inheritance.	CO4