

# **FET - B.Tech (CS&E) Programme**

## **Object Oriented Computer Programming**

### **TASK – 5**

Date: 20/7/2024

Write a C++ program that demonstrates how to overload the prefix '++' operator using a friend function. The program should include a class Counter to represent a simple counter, and the overloaded '++' operator should increment the counter's value by 1.

Write a C++ program that demonstrates how to overload the postfix '++' operator using a friend function. The program should include a class Counter to represent a simple counter, and the overloaded '++' operator should increment the counter's value by 1 while returning the original value before incrementing.

Write a C++ program that demonstrates how to overload the '+' operator using a friend function. The program should include a class Complex to represent complex numbers, and the overloaded '+' operator should allow for the addition of two Complex objects, resulting in a new Complex object representing the sum of the two.