**COMPUTER SCIENCE DEPARTMENT**

**Total Marks:** 7.5

**Obtained Marks:**

# DATA STRUCTURE AND ALGORITHM

# Lab Report  # 06

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**Question no 1:**
**Manna is extremely disappointed to find out that no one in his college knows his first name. Even his classmates call him only by his last name. Frustrated, he decides to make his fellow college students know his first name by forcing them to solve this question. You are given a long string as input in each testcase, containing any ASCII character. Your task is to find out the number of times**
**SUVO and SUVOJIT appears in it.**
**Code:**

```cpp
#include<iostream>
using namespace std;
  int countOccurrences(string txt, string pat)
    {      int count=0;
    int found = txt.find(pat);
      while (found != string::npos)
    {       count++;

    found = txt.find(pat, found + 1);
    }
    return count;

      }
        int main()
      {
        string txt, pat1="SUVO",pat2="SUVOJIT";
```

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```
        cout<<"Enter text:";
        getline(cin,txt);
        cout<<"\nNo of times SUVO Occured is:"<<
countOccurrences(txt, pat1)<<endl;
         cout<<"\nNo of times SUVOJIT Occured is:"<<
countOccurrences(txt, pat2)<<endl;
        return 0;
    }
```

## CONSOLE SCREEN:

```
Enter text:SUVO SUVOJIT

No of times SUVO Occured is:2

No of times SUVOJIT Occured is:1

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Process exited after 15.28 seconds with return value 0
Press any key to continue . . .
```