



## School of Computer Engineering and Technology (Cybersecurity and Forensics)

### Python Programming Lab Assignment No:09

#### Problem Statement:

Create a Regular Expression and implement the following

- Recognize the following strings: “bat,” “bit,” “but,” “hat,” “hit,” or “hut.”
- Match any pair of words separated by a single space, i.e., first and last names.
- Match any word and single letter separated by a comma and single space, as in last name, first initial.

#### Aim:

To find a string or set of strings using special sequence of characters that uses a search pattern.

#### Objectives:

To learn and implement Functions of Regular Expression.

#### Theory:

- Metacharacters and Special Sequences
- Regular Expression Functions

**Platform:** Windows/Ubuntu-Python Editor (jupyter notebook)

**Input:** String having some pattern.

**Output:** Matched strings or substrings.

#### Conclusion:

Studied python Regular Expression functions for string handling.

#### FAQs:

- Write a Python program to search some literals strings in a string. Sample text: 'The quick brown fox jumps over the lazy dog.'  
**Searched words:** 'fox', 'dog', 'horse'
- Explain the findall () and sub () methods?