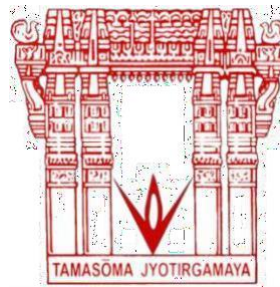


**A Course based Project Report on**  
**PASSWORD VALIDATOR**  
*Submitted in the partial fulfilment of the requirements for the award of*  
*degree of*  
**BACHELOR OF TECHNOLOGY in**  
**CYBER SECURITY**

Submitted by

21071A6212- CH.SUBRAMANYAM  
21071A6226- K.VIRAJITHA



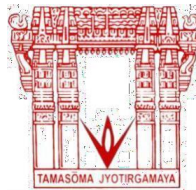
**DEPARTMENT OF CYBER SECURITY**  
**VNR Vignana Jyothi Institute of Engineering & Technology**  
(Autonomous Institute, Accredited by NAAC with 'A++' grade and NBA)  
Bachupally, Nizampet (S.O.) Hyderabad- 500 090

February 2023

**A Course based Project Report on**  
**PASSWORD VALIDATOR**  
*Submitted in the partial fulfilment of the requirements for the award of  
degree of*  
**BACHELOR OF TECHNOLOGY in**  
**CYBER SECURITY**

Submitted by

21071A6212- CH.SUBRAMANYAM  
21071A6226- K.VIRAJITHA



**PROJECT GUIDE**

Dr. Lalitha

Professor,

Dept. of Cyber Security,

VNRVJIET

**DEPARTMENT OF CYBER SECURITY**

**VNR Vignana Jyothi Institute of Engineering & Technology**

(Autonomous Institute, Accredited by NAAC with 'A++' grade and NBA)

Bachupally, Nizampet (S.O.) Hyderabad- 500 090

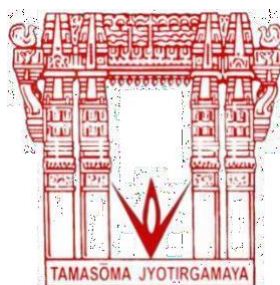
February 2023

# **VNR Vignana Jyothi Institute of Engineering & Technology**

(Autonomous Institute, Accredited by NAAC with 'A++' grade and NBA)

Bachupally, Nizampet (S.O.) Hyderabad- 500 090

## **Department of Cyber security**



### **CERTIFICATE**

This is to certify that the course based project work entitled “PASSWORD VALIDATOR” being submitted by

CH.Subramnayam(21071A6212),K.Virajitha(21071A6226) in

partial fulfilment for the award of Degree of **BACHELOR OF TECHNOLOGY** in **CYBER SECURITY** during the academic year 2022-23 is a record of bona-fide work carried out by them under our guidance and supervision. The results embodied in this report have not been submitted by the students to any other University or Institution for the award of any degree or diploma.

#### **Project Guide**

**LALITHA,**  
**Professor,**  
**Dept. of CYS,**  
**VNRVJIET,**  
**Hyderabad.**

#### **Head of Department**

**Dr. RAJASHEKAR**  
**Head of Department,**  
**Dept. of CYS,**  
**VNRVJIET,**  
**Hyderabad.**

# **VNR Vignana Jyothi Institute of Engineering & Technology**

(Autonomous Institute, Accredited by NAAC with 'A++' grade and NBA)

Bachupally, Nizampet (S.O.) Hyderabad- 500 090

## **Department of Cyber security**

### **DECLARATION**

I hereby declare that the project entitled "PASSWORD VALIDATOR" submitted for the B. Tech Degree is my original work and the project has not formed the basis for the award of any degree, associate ship, fellowship or any other similar titles.

Signature of the Student:

CH.Subramanyam  
(21071A6212)

K.Virajitha  
(21071A6226)

Place:

Date:

## **ACKNOWLEDGEMENT**

We express our deep sense of gratitude to our beloved Chairman, Shri. D.Suresh Babu, VNR Vignana Jyothi Institute of Engineering & Technology for the valuable guidance and for permitting us to carry out this project.

With immense pleasure, we record our deep sense of gratitude to our beloved Principal, Dr.C.D.Naidu for permitting us to carry out this project.

We express our deep sense of gratitude to Dr. Rajashekar, Associate Professor and Head, Department of Cyber security, VNR Vignana Jyothi Institute of Engineering & Technology, Hyderabad for the valuable guidance and suggestions, keen interest and through encouragement extended throughout period of project work.

We take immense pleasure to express our deep sense of gratitude to our beloved Guide Lalitha, Professor in Cyber security, VNR Vignana Jyothi Institute of Engineering & Technology, Hyderabad, for his valuable suggestions and rare insights, for constant source of encouragement and inspiration throughout my project work.

We express our thanks to all those who contributed for the successful completion of our project work.

1. CH.Subramanyam(21071A6212)

2.K.Virajitha(21071A6226)

## **AIM:**

To create password validator.

## **PROBLEM STATEMENT:**

Build a program to check whether the password entered by the user is correct or not.

## **INDEX:**

	<b>CONTENTS</b>
1.	Introduction
2.	Purpose
3.	Scope
4.	Technologies to be used
5.	Overview
6.	Product Perspective

## **1.INTRODUCTION**

First we create a regular expression which can satisfy the conditions required to call it a valid password. Then we match the given password with the required condition using the search function.

## **2.PURPOSE**

By this the user gets to know whether the password is correct or incorrect and if the password is incorrect what changes are to be made.

## **3.SCOPE**

This code is used in many advanced uses to verify the code given by the user is valid or not and also suggests the user to enhance his code.

## 4. TECHNOLOGIES TO BE USED

1) Python

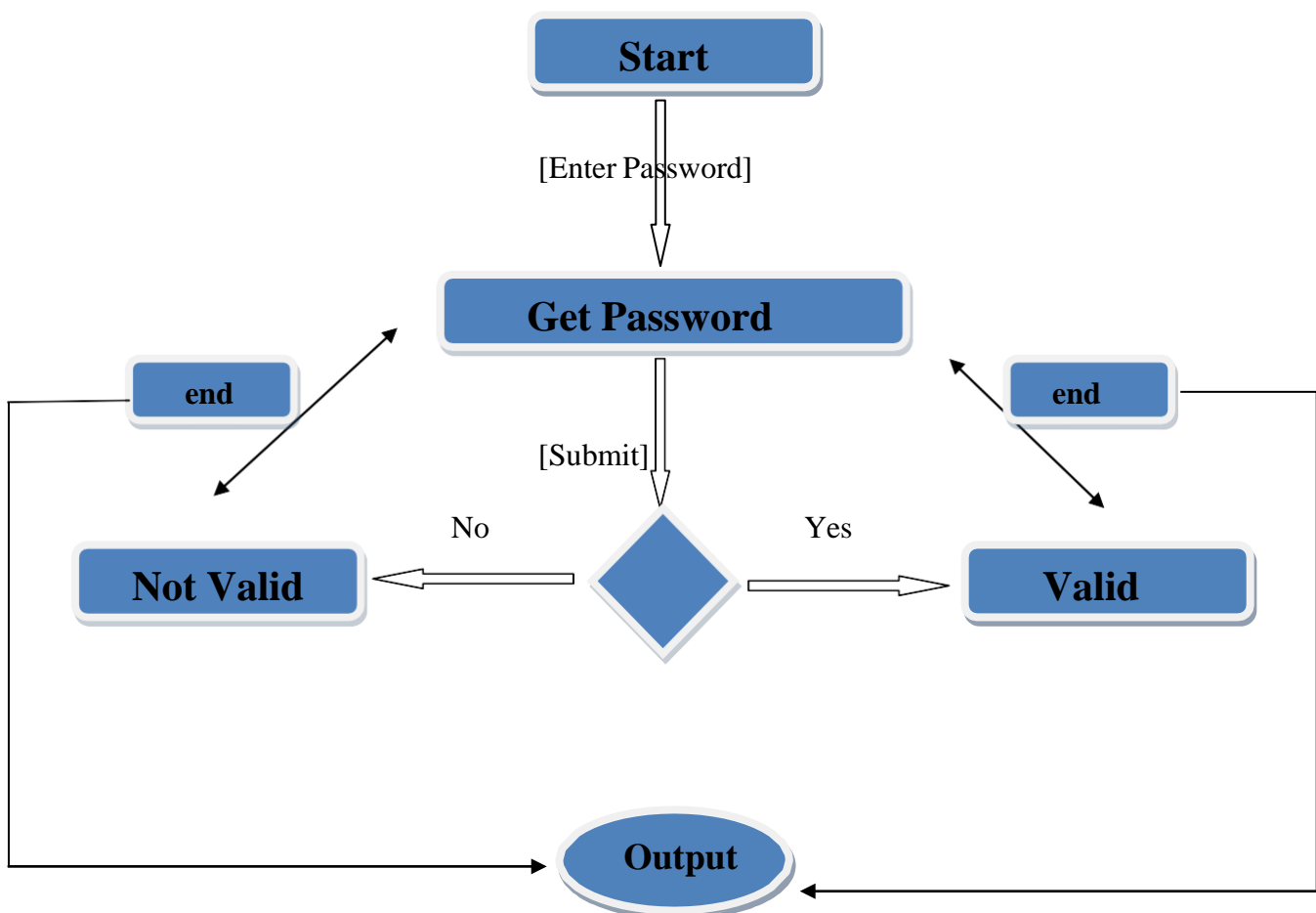
## 5. Overview

This code is made using functions, while loop, if elif and else statements and some of the conditions or constraints which checks the password is valid or not valid.

## 6. PRODUCT PERSPECTIVE

It's important to remember that password validation is an important security measure that can help protect systems and data from unauthorized access. By implementing strong password validation rules, you can help ensure that your passwords are secure and resistant to brute-force attacks and other types of attacks.

### Activity Diagram



## 5.SOURCE CODE:

```
import re
password = " "
flag = 0
count=0
while password!="end":
    password =input("Enter the password:")
    while(count==0):
        if (len(password)<=8):
            flag = -1
            break
        elif not re.search("[a-z]", password):
            flag = -1
            break
        elif not re.search("[A-Z]", password):
            flag = -1
            break
        elif not re.search("[0-9]", password):
            flag = -1
            break
        elif not re.search("[_@$]" , password):
            flag = -1
            break
        elif re.search("\s" , password):
            flag = -1
            break
    else :
        flag = 0
        print("Valid Password")
        break
```



```
count=1
```

```
if flag == -1:
```

```
    print("Not a Valid Password ")
```

## **OUTPUT:**

Enter the password:Vnr@vjiet12

Valid Password

Enter the password: vnrvjiet

Not a Valid Passwordkey-