

INSTITUTE NAME

GOVERNMENT ARTS & SCIENCE COLLEGE
(CO-EDUCATION) - AVINASHI

PROJECT NAME

RANDOM PASSWORD GENERATOR

SUBMITTED TO

BESANT TECHNOLOGY

SUBMITTED BY

ANANDAKANNAN S

CO-ORDINATOR NAME

GOWTHAMI

DATE OF SUBMISSION

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2.Acknowledgement

I have Successfully completed my Project name of Random Password Generator. It can generates secure password using of Upper , Lower case , Numbers and Special characters. This Project helped me to understand the concept of the program. It was a Great learning experience for me and also I learnt about the 'random' module from this program.

3.Concepts used in project

- random – it is a module I used this module in my project to generate the random password
- string – I used this module to generate the random password mix the string characters
- generate_password – it is an Function of generate the random password
- digits , ascii_letters , punctuation , ascii_lowercase I said allowed to generate the random password including these type of characters

```
1  #Random password Generator
2
3  import random as rd      #import 'random' module
4  import string as st      #import 'string' module
5
6  def generate_password(length = 14):#def the function of generate_password
7
8      character = st.digits + st.ascii_letters + st.punctuation +
9      st.ascii_lowercase + st.ascii_uppercase
10     password = ''.join(rd.choice(character)for generate_password in range(
11     length))
12     return password
13
14 length = int(input("Enter length of password: ")) #get input from the user
15 print("Random Password has been Generated: ",generate_password(length))
```

5.Description of Source code

This program is generates the random password based on the user – specified length using combination of letters , numbers, and special characters ect,.. and also I used random and string module in this program , it is helps to create the random password for security.

```
1  #Output
2
3  Enter length of password: 12 #12 char
4  Random Password has been Generated: ;p?Ufhs<Iuao
5
6  Enter length of password: 8 #8 char
7  Random Password has been Generated: Zp]cKF#!
```