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## **Password Generator Project**

# **END TERM REPORT**

## **Python Programming (INT 213)**

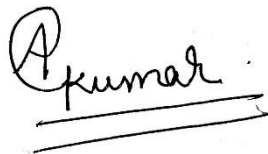
*by*

ROLL NO.	NAME	REG. NO.
45	Ankur Kumar	11908082
12	Shaik Mohammad Younus	11907310
06	Dammu Sai Diwakar	11906819

Department of Intelligent Systems  
School of Computer Science Engineering  
Lovely Professional University, Jalandhar

# Student Declaration

This is to declare that this report has been written by us. No part of the report is copied from other sources. All information included from other sources have been duly acknowledged. We aver that if any part of the report is found to be copied, we shall take full responsibility of it.



Date- 31.10.20

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## **BONAFIDE CERTIFICATE**

Certified that this project report “**Password Generator**” is the bonafide work of “**Ankur Kumar, Shaik Mohammad Younus and Dammu Sai Diwakar**” who carried out the project under my supervision.

**Dr. Dhanpratap Singh**

School of Computer Science and Engineering

Department of Intelligent System

# **Introduction**

Passwords have become so common now-a-days that for each and every web site access, we require different passwords. Today in a world full of cyber-attacks and cybercrime, it's really important we have a good and strong password.

Therefore, this mini project aims the users to provide them with different and strong passwords which is made using python programming language.

The detailed information about the project is given below.

## **Objectives**

The following are the main objectives of this project: -

- To provide users with random and strong passwords
- To provide users strong passwords using permutations and combinations of various things like numerals, alphabets both in upper and lower case and special symbols

# Need of this Project

What's happening in today's world is, the traffic on the internet is increasing with every passing second, therefore we need high amount of security in terms login credentials.

Here passwords come into play. Usually what we do is we have the passwords generally as the name of our own or may be a date of birth which makes it less secure.

What this python project is going to do , it takes into account millions of permutations and combinations of various things like numerals , alphabets both upper and lower case and generate a random password which is really tough for someone to guess.

## Description

The source code for the same python project is uploaded in a python file, link of the same has been provided in the google forms submitted to the teacher.

Now we shall discuss the input and output of the code, so that we get a clearer idea of this project is going to work.

Following is the initial screenshot. the box appears something like this.

Enter your name in small letters in the name box.

Then choose the length of the password. (like 6, 7,8)

# Password Generator

*Enter the name of the user:*

*Enter the length:*

*Generated Password:*

***Generate Password***

***Reset***

After filling these details, the box will look something like this

# Password Generator

*Enter the name of the user:*


*Enter the length:*

*Generated Password:*

***Generate Password***

***Reset***

Then you need to click on Generate Password, then the box will look something like this



The screenshot shows a window titled "Password Generator" with standard window controls (minimize, maximize, close) in the top right corner. The main content area has a light gray background. At the top, the title "Password Generator" is displayed in a large, bold, purple serif font and is underlined. Below this, there are three input fields with labels in an italicized black serif font. The first label is "Enter the name of the user:" followed by a text box containing "ankur". The second label is "Enter the length:" followed by a text box containing "8". The third label is "Generated Password:" followed by a text box containing "89b4dM#o" in a green monospace font. At the bottom of the window, there are two buttons: a green button with a black border and the text "Generate Password" in a bold, italicized, dark red serif font, and a red button with a black border and the text "Reset" in a bold, italicized, dark blue serif font.

Hence, it's a simple mini project and a good utility to generate random and strong passwords.

## Language used

The language used is python due with no additional libraries. The IDE used was spyder (Anaconda).



## Works done by members: -

**Ankur:** - did the coding and algorithmic part along with GUI, and testing. Also helped in making report.

**Younus:** - Helped in finding errors and making code more optimised, helped in making user interface and its look and feel, along with report.

**Diwakar:** - did report making and helped in coding and GUI part along with other members.

***Thankyou***