**Python Project: ATM Simulator**

**Project description:**

The objective of the project is to build an application (Creating a python file in which defining a python Class or Function) to replicate the functionality of an ATM Machine, in Python programming.

By default, the balance should be declared as a variable with a value of Rs.10,000, as it is a sample application, without access to real accounts.

You need to include the basic functionalities such as Entering the PIN, Check Balance, Withdraw Amount, Deposit and Exit from the ATM machine.

The input for the application from the user is to enter the PIN and then ask the user to select an appropriate option from the defined functionalities and perform it accordingly then show the output on the screen.

The below is the sample output, expected from the ATM Simulator Functionality.

***\*\*\*\*\* Welcome To ATM Machine Simulator \*\*\*\*\****

***Enter Your Pin: 65566***

***Options you can Exercise are:***

***1) Balance***

***2) Withdraw***

***3) Deposit***

***4) Exit***

***Select Your Transaction from the above options: 2***

***Enter Amount: 60000***

***Insufficient Balance***

**Evaluation Scheme:**

**Total marks:** **100**

**Deliverables [Total marks - 95]:**

1. Defining the class or method for the ATM simulator functionality 🡪 15 marks
2. Defining multiple conditions for selecting at least 4 ATM functionalities 🡪 20 marks
3. Defining the main method and calling the class or method in the main method 🡪 10 marks
4. For successful execution of the entire functionality without errors 🡪 10 marks
5. Able to pass the inputs from the user and returning the outputs for the defined functionality 🡪 40 marks.

**Project Submission [Total marks - 5]:**

1. Once the project has been created, upload all the files on GitHub & commit (save) all the changes, make sure you add a readme file containing detailed description of your thoughts during the project creation. **[3 marks]**
2. Once done, kindly copy the GitHub link of your project & submit the same using your dashboard. **[2 mark]**