PROJECT REPORT
ON

ATM SIMULATOR

SUBMITTED BY

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CHAPTER -1
ABSTRACT/CONCISE SUMMARY

AIM/OBJECTIVE:- To make simulation of ATM
METHOD:-
1. We will use Jupyter notebook or Google Colab.
2. We will memorize all process which we do in ATM Machine and write python code according to it.
3. After that We will execute the program and Find out output.

CHAPTER -2
INTRODUCTION

ATM stands for **"Automated Teller Machine".** It is a computerized device that allows bank customers to conduct various financial transactions without the need for a bank teller or visiting a physical bank branch.
Here are the primary functions and features of an ATM:
1.Cash Withdrawal
2. Balance Inquiry
3. Deposit Money
4. Change PIN
6. Card-less Transactions
7. **Prepaid Mobile Top-Up**: In some regions, ATMs offer the option to top up prepaid mobile phone credit.
8. **Mini-Statements:** Some ATMs provide a printed mini-statement of the most recent transactions, helping users keep track of their account activity.
9. **Funds Transfer:** In some cases, ATMs allow users to transfer funds between their accounts.
10. **Bill Payments:** Some ATMs offer bill payment services, enabling users to pay bills, such as utilities or credit card payments.

CHAPTER - 3
METHODOLOGY

Software used:
Jupyter Notebook or Google Colab

Method:-
Step 1:- First,W printed Welcome Message by using **"Print function"** which we firstly see when we go to ATM Machine.

Step 2:- Then, We created a function using def keyword to Make allowable/acceptable pin up to 4 digit number .Simply means if input of Pin exceed the limit of 4 digit then it's not allowed. Then We had used print() in function and write in it that "Invalid input. Please enter a number with 4 digits."

Step 3:- Then, We created another function by using def keyword i.e. ATM_simulation() In this function we do everything of ATM machine like Pin input option,Create Withdraw option,Create Deposit option and etc.

So, First of all We **create variable of Constant value** which means ATM machine have that amount of money in total.

Then We used Input() Function To create Input pin option in ATM Machine.

Then Again We used **"print function"** to create options in ATM like Check balance Withdraw option,Deposit option,.Exit from ATM option.

Then We created Choose Variable to store choose value from above 4 options..

Then We created what if choice==1,choice==2 ,choice==3,Choice ==4 then what will happen. And what if wrong selection then what will happen everything is created in a program.

After that We used exit() when user select choice wrong then program will exit.

If__name__== "__main__" :- a way to store code that should only run when your file is executed as a script.

Then lastly, We will call atm_simulation() function to execute.

Step 4:-This is last step,In this step we will execute program to find output. We will exetute program by using shift+enter or ctrl+enter button in Google Colab or Jupyter notebook

CHAPTER - 4
FUTURE SCOPE

According to my opinion,This program valid till ATM services are runing in the world.If world becomes 100% digital then In future, Whole world will not use ATM Machines.As we all know recently government of India have most focused on making India digital. And due to this initiative Most of the people in India uses digital facilities for transfer money from vendors ,Shopkeeper to Biggest MNC's .

So, If 100% digitlization happened then Nobody will use ATM.

CHAPTER - 5
CONCLUSION

The objective of making ATM Simulator Project is to Learn about python deeply with real life example.This Project will helps us to build & boost confidence.

What we learned from this project:-

1. Learned to Use print() function.

2. Learned to build Logic.

3. Learned to create function using def keyword.

4. Learned to use if,Elif and Else.

5. Learned to use if,Elif and Else.

6. Learned to use Choose And etc.

CHAPTER - 6
REFERENCES

No reference used for making this project.