**ALGORITHM FOR COMPLETE ATM PROCESS**

1. Start
2. Write all the 4 select options
3. Withdrawal
4. Deposit
5. Checking the balance
6. Changing the pin

3.Ask the user to enter a valid selection number (1,2,3,4).

4.If the selection number is ‘1’ then it’s for withdrawal process, if it’s ‘2’ then it’s for deposit, if it’s ‘3’, then it’s for checking the balance, if it’s ‘4’, then it’s for changing the pin.

5.**FOR WITHDRAWAL**:

1.Create variables with suitable datatypes

* Account number – integer
* Name – String
* Balance – integer
* Pin – integer
* Withdrawal amount – integer

2.The minimum balance must be Rs 500/-.

3.If the minimum balance is more than 500, the user can proceed the transaction, if not he cannot proceed the transaction.

4.The secret pin is “0123”, if the pin entered by the user is correct he/she can proceed the transaction, if the secret pin is wrong he/she cannot proceed the transaction.

5.The user must enter the amount he wishes to withdrawal.

6.If the withdrawal amount exceeds the minimum balance of the account holder, he/she cannot proceed the transaction, if not the user can proceed the transaction.

7.After withdrawal, if the minimum balance is not more than 500, and if the account holder fails to pay the money at the end of the month, he might pay penalty.

6.**FOR DEPOSIT**:

1.Ask the user to enter his/her account number followed by his name, IFSC code, and the amount to be deposited.

7.**FOR CHECKING BALANCE:**

1.The ATM machine just shows the balance of the account holder.

8.**FOR CHANGING THE PIN**:

1.Ask the user to enter his old pin.

2.The secret pin is “0123”, if the pin entered by the user is wrong, he/she cannot proceed the process of changing the pin.

3.If the pin is correct, the bank sends an OTP to the registered phone number.

4.The user must enter his new pin, and must reconfirm it by entering the new pin again.

5.The pin has been successfully changed.