

## “Anti-Fraud ATM Security System”

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**Abstract** - Now-a-days security is the main concern people ask security for themselves, their families and most important their money too. Here comes the bank agencies and the ATM'S for their security of their money.ATM is an electronic device which enable the costumer to check there financial at time and without interaction with the bank-staff. the security in the current system is pin generating and message passing once the pin is enter, the message is send to the user after the cash withdraw. the propose system gives protection for the safeguarding the ATM account of the user.

**Key Words:** ATM Security, Card Fraud, Second level security for ATM, GPS, Smartphone SMS system.

### 1. INTRODUCTION

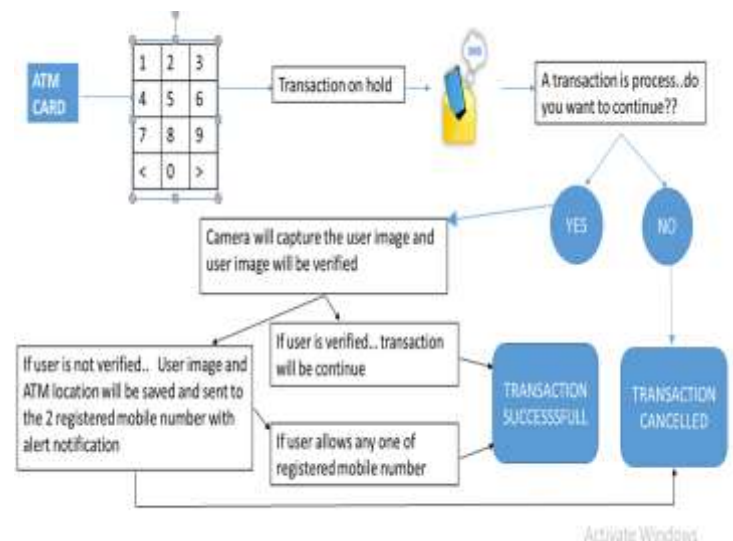
ATM has become one of the most important aspect in day to day life. its can be easily access rather then standing in queue for depositing and crediting the money. It provides its users with hassle free transactions, but with the increasing number of users, there can also rise the question of security. Although security is provided but the burglary and thefts are stills happening. In this project a second level security is provided this system offers an efficient security implementation that has zero tolerance forgery theft and other forms of ATM frauds it will provide the necessary information to the bank holder and bank agencies about the transaction process of a costumer. it gives safe and secure transaction and well enhanced effective product delivery to the costumer as per their satisfaction the OTP method an face recognition method are use in this project .

#### 1.1 SOFTWARE

- C#.net
- Console App :-Used to execute entered command , automatic task via scripts and batch files.
- Windows App(offline).
- .NET Framework.

Microsoft Visual C#, Microsoft implementation of the C# language targets the .NET Framework along with the language service that lets the Visual studio support C# project. Visual Studio .NET creates a project with a form in it and display the forms in a designer. In this we create a GUI application in visual studio .NET for interacting with user.

### 2. THE ARCHITECTURE OF ANTI-FRAUD ATM SECURITY SYSTEM



### 3. METHODOLOGY

The system is nothing but the advancement of the current working ATM system. There is no change in the methodology/working of the current system, it only consist of the incrimination of module of this proposed system. These module are as follows.

#### Module 1: Registration

This is the first step of our proposed system. This consist of registration of the user. the basic details of the user is ask along with two family member. if the user already has the account and they want to make changes, they can update here. The bank assign the account number and the ATM pin number to the user.

#### Module 2: PIN controller

This module consist of the process after the card is swiped and the pin is enter. It keep the transaction on hold before showing the further option to the user until it get confirmation from the account holder.

#### Module 3: Message generation

As described in the previous module that the transaction will be on hold. This module will meanwhile send a message to the users registered mobile no. asking for conformation of

giving the access. If he allows it will continue else it will be cancelled.

#### Module 4: Camera Activation

This module consist of activating the service of the camera which is already placed in the current machine as well. In this the camera will capture the user and image will be verified. If user is verified the transaction will be continue if user is not verified the image of the user will be sent to the registered no.

#### Module 5: Location Tracing

This module is the contamination of the previous module where if the image is not verified the image of the user along with the location of the ATM will save in system and also sent to the two registered mobile no.

#### Module 6: Permitting Access

After getting the image and ATM location if the user allows from any one of registered mobile no. the transaction will be successfully otherwise transaction will be cancelled.

### ADVANTAGES

1. Second level security.
2. Anti-theft.
3. It is self handling machine having a particular transactions process using passwords like pin entering.
4. It is 24 hours running machine secure from any fraud.

### 4. RESULT

The project result is as follows:

The second level security is provided to the user with the updated ATM security system. If fraud is done then with the help of face recognition cop can identify the face of fraud person.

### 5. CONCLUSION

The propose system ensures a reliable and safe method for transaction of money to the user.this system can be install in the ATM and banks this propose system is distinctive in many ways from the current ATM system and it a less time consuming process for the registration of a user.

### 6. FUTURE SCOPE

1. A GSM module or GPRS module is a cheap that will be used to establish communication between mobile device or a ATM machine and a GSM or GPRS system.
2. Hardware component also a play an important role for detection and prevention of frauds.

Eg: Automatic door lock

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