Security for Building & ATM Machine

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Abstract— Better and Protective security is the need in today's world at the places such as buildings and ATM machines. There are many drawbacks of using the debit card at ATM machine so to overcome this we are implementing the Withdrawal & Deposits through Aadhar Verification. Since every ATM room has a CCTV camera installed so if the theft takes place we can get the details of the person since he entered the room through aadhar verification. To secure the entrance of the society so that no outsider can enter the society without verifying himself through aadhar verification.

Keywords: Security for buildings, Security for ATM machine's, Secure way to protect buildings & ATM machine

I. INTRODUCTION

In building there is the provision of entering the details which is also called as manual security but in manual security there is lot of disadvantages such as lack of security proof, unethical practices , lack of details & Same in the ATM user have to enter all of his details to transect money for ATM machine so sometimes there may happen crimes so ,to overcome this problem we have come up with the project which is the combination of both software and hardware in this project we are going to use some of the important hardware and software devices like biometric scanner, Aadhar number verification & mobile verification through otp and all this information will be stored in the master database.

Which means whenever the outsider/guest is entering the building for the first time he/she have to properly follow all this steps. Once he has followed all the steps then the guard will allow him/her to go in the building this is for building. & same is for ATM machine also he/she have to enter his/her details for verification purposes.

Suppose if the person is disabled he/she can only verify their mobile number through otp and they can go inside the ATM machine and in the building

II. REQUIREMENT ANALYSIS

There will be a several types of devices like in hardware we will need
1) Biometric scanner for finger print
2) Arduino-UNO
3) DOT NET language for Front end
4) SQL server for Back end

Software requirement: DOT NET Language, Arduino UNO knowledge, SQL Database knowledge

A. Abbreviations and Acronyms

–   IOT:- Internet of things
–   ATM machine:- Automated Teller Machine
–   SQL:-standardized query language

B. Further Improvement

1) we can implement retinas scanner for proper security purpose
2) To achieve full time automation, A real time system should be employed and a Closed Circuit Television (CCTV) system should provided for proper monitoring and security purpose in building.

III. OBJECTIVE

The main objective of the system is that reducing the theft that is taken place in the ATM room and in the buildings.
–   The members leaving in the society will be secured.
–   The ATM machines will be more secured.
–   One cannot enter the room or in a building before the verification process is completed and the person is successfully verified to enter.
–   As the transaction is completed one has to logout the user interface before exiting the ATM room.
–   One can view the transactions made throughout a month using the feature of Mini Statement.
–   E-receipt of the transactions made throughout a month can be generated on the Mail at the end of every month.
–   One can invest in the investments using the investment feature of the ATM interface.

IV. LIMITATION

–   The limitations of IOT in extreme situation are still not tested
–   Legal instruments
–   Technical limitations
–   limited facilities for real-time information exchange
–   long lead times of development and deployment of improved system

V. CONCLUSION

As the person come at the ATM room he has to get himself verified through aadhar to enter in the ATM room to use the features of ATM interface such as Withdrawls, Deposits, Topup, Investments, Opening a new account, Mini Statements & etc. and for building also the person have to enter all him/her details to enter in the system because of security purpose to fully secure the building for any unethical behaviour & robbery

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