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HACK PREVENTION OVER RURAL BANKING USING CLOUD COMPUTING

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ABSTRACT

The banking sector in India has witnessed a complete transformation both in its functioning and delivery of services to their customers. Online transaction is most using to India, sometimes the transaction is not safe, it is easy to hacked some third party, because only password is encrypted. The banking services help to send all transaction information send by user. (VOICE MESSAGE, TEXT MESSAGE). Majority of Indian population lives in the villages and hence the future of India lies in the development of rural India. Cloud Computing is the revolution in computing domain where the cloud resources are made available whenever needed and they are charged on pay-as-you-go basis. Cloud Computing allows software applications, processing and data storage to deliver as a utility. Benefits of cloud computing like reduced capital costs and improved accessibility for the user can plays a key role in the development of rural India. The facts like widespread use of advanced smartphones by rural people and the increasing number of rural Internet users are making the way simple to implement cloud

KEY WORDS: cloud computing, secure online Transections, Ruler development.

I. INTRODUCTION

Mainly focused upon the agro sector 14,475 rural banks in the country of which 2126 (91%) are located in remote rural areas. SBI – Largest bank catering to Rural banking. About 500-600 million people in India still do not bank accounts. The farmers mostly lives in the rural population and need credit for agricultural activities which has the following problems related to banks. Usually, the problem in the villages is, either there is an ATM of a particular bank or there is no ATM. In the first case, if there is an ATM, people using it will have to pay the ATM usage charges if they are non-members of the bank and in the second case they will have to travel long distances and then the scenario might be same as the first case. Cloud computing is a model for empowering helpful, on-demand network access to a shared pool of computing resources (for example networks, servers, storage, applications and services) that can be quickly acquired and released with minimum interaction and management by service provider. The farmers mostly lives in the rural population and need credit for agricultural activities which has the following problems related to banks. Usually, the problem in the villages is, either there is an ATM of a particular bank or there is no ATM. In the first case, if there is an ATM, people using it will have to pay the ATM usage charges if they are non-members of the bank and in the second case they will have to travel long distances and then the scenario might be same as the first case.

II. OBJECTIVE

The customers connected to the banks for the regular updates from bank. The credit debit and other some information are send to customers. Using by text message, voice message including translation. The customers details are fully encrypted for privacy**.**

2.1 Drawbacks of Existing System

- All the user details are visible but and only the password is encrypted. it is easy to hack.
- The Existing system uses Client/server model.
- The detailed information is not given regarding the credit & debit card details.

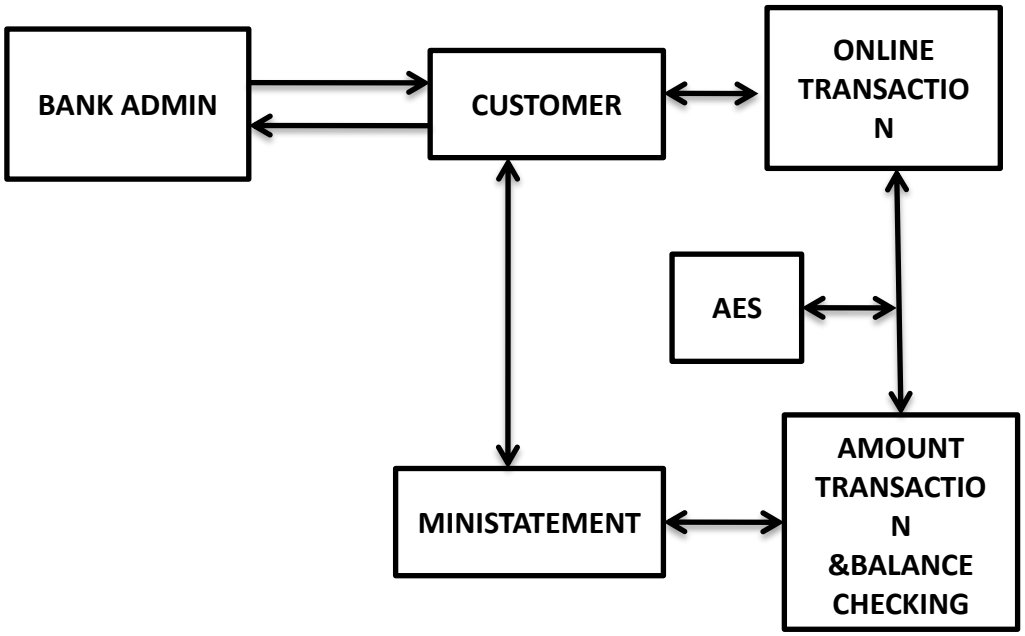
2.2 PROPOSED SYSTEM

- All the user details are invisible and every informations are encrypted .it is difficult to hack.
- The properly information is given regarding the credit & debit card details.
- Using AES (Advanced encryption standard) algorithm.

2.2.1 Advantages of proposed system

- Secure online transaction.
- Avoiding to hack.
- Easy to find all details from users.

ARCHITECTURE OF PROPOSED SYSTEM



Architecture Diagram

III. MODULES

This project consists of different modules which is a software component or part of program that contains one or more routines. Each module serves unique and separate business operations.

3.1 Bank customer

A customer of bank is a person who has an account with a bank is sat to be the customer of the bank. It is not possible to make a person a customer of a bank is he has made a single banking transaction.

3.2 Cloud Administration

A cloud system administrator is responsible for working in a mixed windows and Unix software environment. The responsibility of the individual is to manage the instances of the cloud infrastructure services and the multiple cloud multiple server.

3.3 Bank Administration

Bank Administrator responsibilities and duties Assist and support banking staff in handling customers request and needs. Sell banking products and service to customers. Create and implement innovative methods in banking administration aspects. Target and capture customers to increase banking business.

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3.4 Cloud Security

Cloud security is important for both business and personal users. Everyone wants to know that their information is safe and secure and businesses have legal obligations to keep client data secure, with certain sectors having more stringent rules about data storage.

IV. CONCLUSION

The customers connecting to the banks for the regular updates from bank. The credit, debit and other some information are receive to customers. The customers details are fully encrypted. Avoiding to hack. Cloud Computing is world emerging, next generation technology in the field of information technology. It has numerous advantages but some challenges are still existing in this technology. Security is the most challenging issue in this technology. In this paper we have discussed various encryption algorithms to overcome this security issue, deals with advantages and disadvantages of these algorithms. Here we conclude that homomorphic algorithm is the most suitable algorithm in cloud computing environment to secure their valuable data in an open network.

V. EVALUATION AND RESULTS

MODULE 1

MODULE 2

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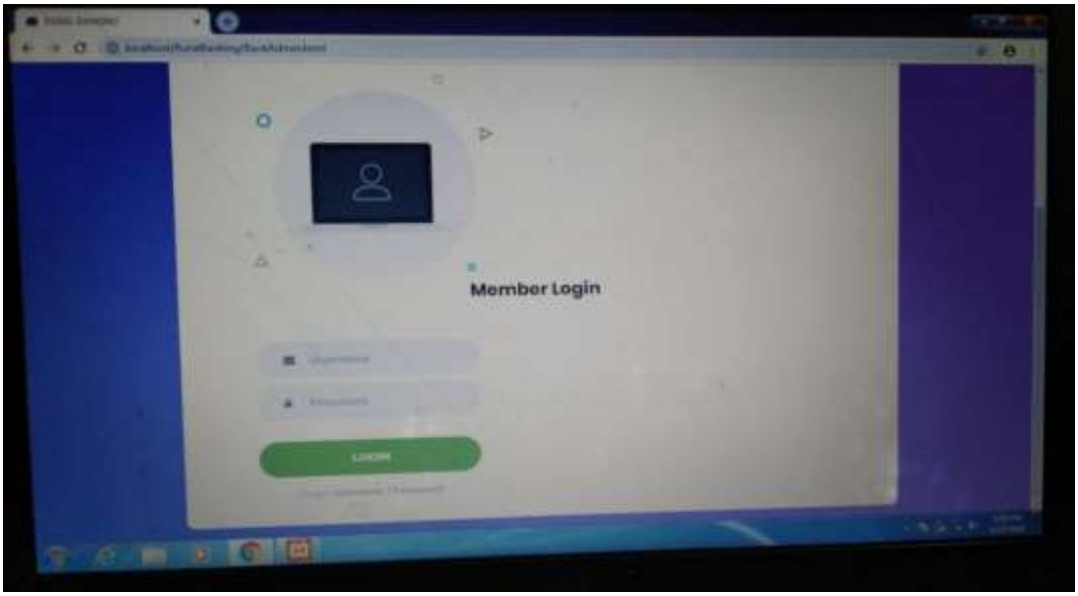
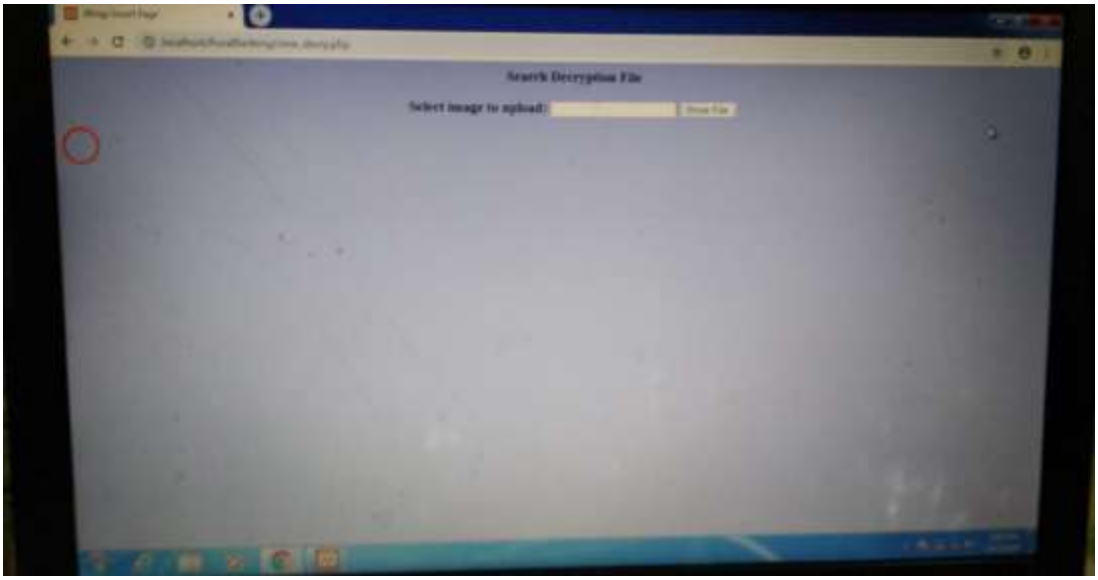
MODULE 3



MODULE 4



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