**E-CHEQUE TRANSACTION ON SPLIT KEY AUTHENTICATION**

**ABSTRACT**

In the wake of RBI allowing new banks to come up for small payments, embracing technology into play is advantageous. Approval and adaptation of a new methods using technology will bring in a comfort level for regular business payments by ordinary and non tech savvy citizens. Email like convenience (but NOT Email) can be provided for routine payments.

Imagine whenever a cheque is issued, a copy is also sent to the bank. When the recipient deposits that cheque, bank verifies with the copy already sent by the issuer and then clears for payment. The split key Authentication for Electronics Transactions proposed in this Project will facilitate this procedure.

Paperless new electronic cheques are very convenient but similar and act like regular cheques with added security. All the stake holders namely, the payer, payee and the bank are safe guarded by its unique method.

Environment friendly is so much talked about but bringing into action is not at the desired level. Tons and tons of paper will be saved by avoiding paper cheques which in turn will reduce the cutting of trees leading to ‘Green Transactions’. Writing cheques will become history and it will change the way people transact.

All the vendors of banking software should consider for extending ‘***e***Cheques’ to their business customers who will be thankful for providing such a long awaited facility hitherto ignored. The author will be glad to share the details when called for.

**INTRODUCTION**

This algorithm is formulated mainly to enable authorization by a third party when a set of related transaction is received from two different sources. For example, when a payment instruction is sent simultaneously to the Bank and to the Receiver, who in turn forwards to the bank for clearing, the bank needs to authorize the transaction set received from both the sources. While the transmission level security is already taken care of by the existing systems, this will be useful for validating a related pair of documents, sent from the same source initially for two different destinations, but the second receiver forwards the same to the first receiver who will be acting as a common entity for both, and needs authentication .

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**SYSTEM ANALYSIS**

**2.1 Existing System**

In an existing E-payment system real cash is used for all levels of transactions. Users can pay their payment through net banking, credit / debit card only. But in this system user can use virtual money like bit coin. Presently ATM machines, Cheque, DD, payment gateway are used to transactions. This system provides mobile software for transactions among group of members. User no need touch their own bank account if they use this software.

**2.2 Proposed System**

The project “Mobile Payments ” extends its scope to various layers of users on E-Banker.It can be used by all who access the windows mobile within a organization and need to transfer money within a very short time with the added advantage of reliability and in a rapid manner.

This system is developed with an objective to automate the online money transfer process in a hassle free manner and with a complete reliability. Its main aim is to help every customer to transfer their money with confidence and to ensure reliability that the amount has been transferred successfully within an organization.

The system is very secure and prevents the account number and secret code theft of the customers who are transferring their money online.

**2.3 Feasibility Study**

Feasibility study is conducted once the problem is clearly understood. Feasibility study is a high level capsule version of the entire system analysis and design process. Three key considerations involved in the feasibility analysis are

* Technical Feasibility
* Social Feasibility
* Economical Feasibility

**2.3.1 Technical Feasibility**

This study is carried out to check the technical feasibility, that is, the technical requirements of the system. Any system developed must not have a high demand on the available technical resources. This will lead to high demands on the available technical resources. This will lead to high demands being placed on the client. The developed system must have a modest requirement, as only minimal or null changes are required for implementing this system.

**2.3.2 Social Feasibility**

The aspect of study is to check the level of acceptance of the system by the user. This includes the process of training the user to use the system efficiently. The level of acceptance by the users solely depends on the methods that are employed to educate the user about the system and to make him familiar with it. His level of confidence must be raised so that he is also able to make some constructive criticism, which is welcomed, as he is the final user of the system.

**2.3.3 Economic Feasibility**

This study is carried out to check the economic impact that the system will have on the organization. The amount of fund that the company can pour into the research and development of the system is limited. The expenditures must be justified. Thus the developed system as well within the budget and this was achieved because most of the technologies used are freely available. Only the customized products had to be purchased.

**2.4 System Configuration**

**2.4.1 Hardware Requirement**

Processor : I3

Hard Disk : 160 GB.

Monitor : 15 VGA Colour.

Mouse : Logitech.

RAM : 2 GB

**2.4.2 Software Requirement**

Operating System : Windows 7/8 64Bit.

Coding Language : php

Tool Used : xampp

Database : mysql