Money Pad
The Future Wallet

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Introduction

- Money Pad is 21\textsuperscript{st} century’s Wallet.
- It works on Biometric Technology for authentication of user by impression of his fingers.
- It is a form of smart card.
- It containing digital cash and other financial information, updated — perhaps automatically.
Key Words

- Money Pad
- Biometric Technology
- Digital cash or e-cash
- Finger Print Reader
- Personal Digital Assistance(PDA)
- Some other keywords
Money Pad

- Space for Read/Write
- Magnetic Disk
- Outer Cover
- Central Hub
- Write Protect Nob
- Touch Sensor
Money pad is a biometric system similar to a credit card or a smart card just like a floppy disk.

- It consists of a touch sensor and magnetic disk as its peripherals.
- Touch sensor is used to record the fingerprint of the user. Magnetic disk, which has the read and write permission is used to hold the authentication details of the user, bank code as well as digital-cash.
- The bank code and account number of the owner of this money pad is present on the label.
- Advancement’s like Biometrics Technology has made individual privacy even more secure.
Biometric Technology

- Technology used to accurately identify and verify an individual’s identity.

- Based on unique physiological or behavioral characteristics.

- Biometrics can provide very secure and convenient authentication.

- This is related to parts of human body so it is secure and difficult to forget.
E-Cash or Digital Cash

- It refers to various methods that allow a person to purchase goods or services by transmitting a number from one Computer to another.

- The numbers are issued by a bank and represent sums of real money.

- Digital cash is anonymous and reusable.
A machine with read/write head capable of reading the information stored in the Money Pad.
• A PDA, sometimes referred to as a palm-top computer.

• small than a laptop.

• Have less computing power.

• Used to send email via a wireless modem.

• perform other common business and personal tasks.
• Float – The transaction in terms of digital-cash, which takes zero-sum gain, is called float.

• Fiat Money – Authorized money.

• Specie-Backed – Coined money.

• Legitimate – Law full.
How To Use Money Pad?

- **New User:**
  1. Visit a nearby bank with e-banking facility.
  2. Create an account with some balance.
  3. Give necessary details along with finger prints.
  4. User is given bank code & account number along with money pad

**NOTE:** The Money Pad consists of stored information like account number, bank code (from where he has purchased this money pad) and his fingerprint.
Transaction Using Money Pad:

1. Place your finger on the touch sensor & then on the finger print reader.
2. Enter bank code & account number to enter into e-bank services.
3. If a finger print match occurs the reader knows that he is a authorised user and allows for further transactions.
4. If not then the reader comes to know that the user is unauthorised and a E-mail will send to authorised user.
**New User**

Enter a e-bank

Request for Money Pad

Create new account

Money Pad is issued

**Fig -2**

- Checking of authentication information

Gather information of user

Fingerprint Reader

Information collected is passed to the server for verification

User With Money Pad

Data Base Server

Authorised

Unauthorised

e-bank

Cannot access cash is e-mail to owners account

**Fig-3**
The accuracy of any biometric system is measured in two ways:

- **False Acceptance Rate** — Where an impostor is accepted as a match

- **False Rejection Rate** — Where a legitimate match is denied access

Fig-4 A Finger Print Reader
WHY USE MONEY PAD?

- Instant cleaning of funds.
- Avoids insecure ways of carrying money.
- Provides strong security.
- Can be used by a common man.
- Avoids nuisance of renewing.
Fields Of Application

- Applicable in e-banks and in any kind of e-transaction.
- Can be used to carry out remote transactions.
- Useful to carry Digital cash.
- Utilization of personal data in filling order forms.
- Applicable in m-commerce transactions.
- Applicable in daily life.
For a digital currency system to attain widespread recognition and use the following three requirements are necessary:

1. Instant clearing of funds
2. Elimination of payment risk
3. Secure transactions using strong encryption

Since the Money Pad aims to satisfy the above conditions there is no doubt that in near future it will be widely recommended for use.
Query
THANK YOU.....