

Finger Print And Image Processing Based Demonstration System

Dussa Sudha Mohan ¹, Raghu Amgothu ²

¹Assistant Professor

²Contract Lecturer, ECE Dept

¹Vidya bhārathi institute of technology Jangaon

²Government polytechnic Warangal

Abstract- To avoid the difficulties using currency such as thief problems, etc.,. We publish an article; with this article, we are eliminating the demonstration and thief problems. This system provides possibility of transfer of money, loan, credit and debit without money [demonstration] using Adhar card [fingerprint] and candidate image.

Keywords- Adhar card, credit, demonstration, image processing.

Circuit description:

The circuit consists of

- Thumb reader
- Image scanner
- A computer system
-

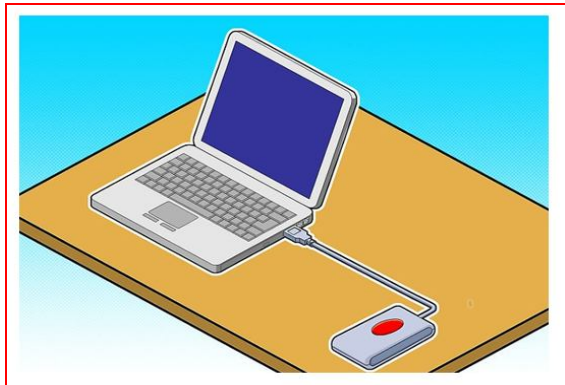


Fig 1: Finger print and image processing based demonstration system

Image Scanner: The image scanner used to scan the image of user. The figure [1] shows the image scanner diagram.



Fig 2: Image Scanner

Thumb reader: When a candidate [user] press the button the it reads the thumb and shows the details of respected thumb candidate like

- Candidate image
- Adhar number
- Name
- Address
- Money transfer
- Loan
- Family details



Fig 3: Thumb Reader

The outputs of thumb reader and image scanner are feed to system. At system, using Ethernet technology the image and fingerprint details are compared. When both details are same then the monitor displays the following window.

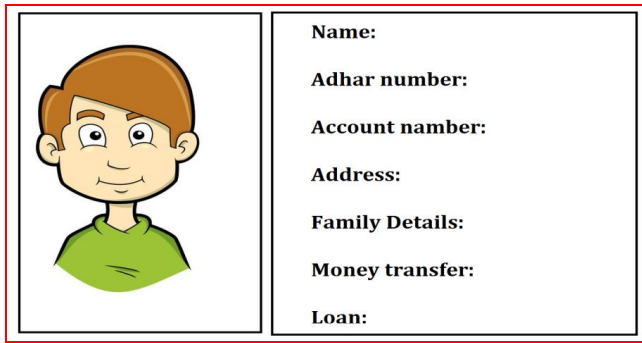


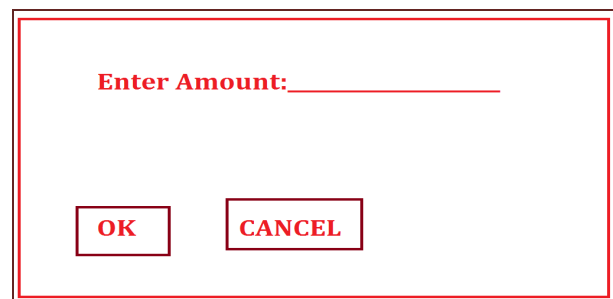
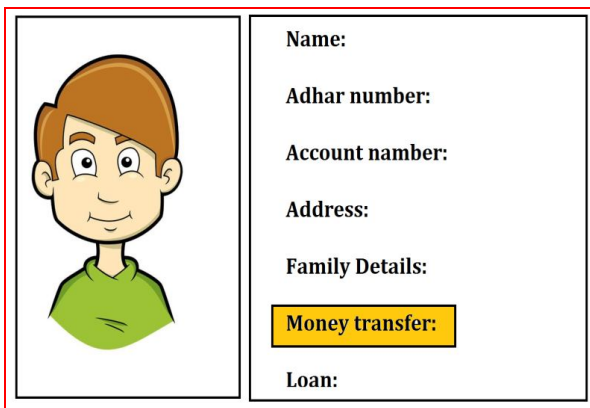
Fig 4: Desktop shows the details



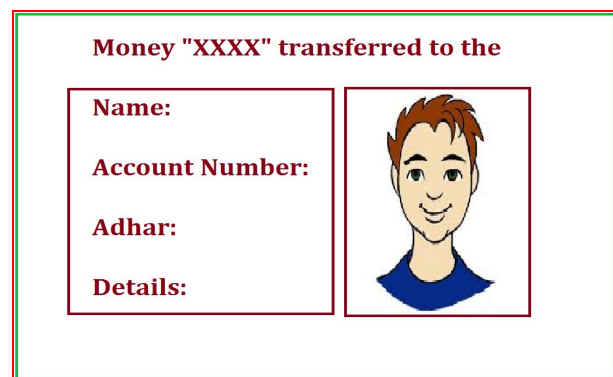
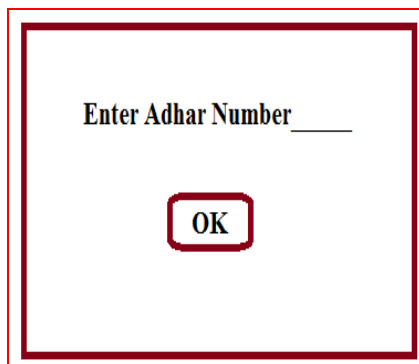
Money transfer:

When a person press “**Money transfer**” button it asks the candidate Adhar number whom we transfer the amount.

When entering the Adhar number and press “OK” then it shows details of candidate and shows the transfer amount. When entering the amount and press ok then money transferred to the respected candidate.



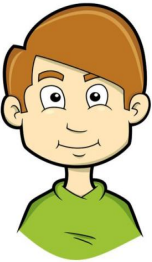
If entering amount are correct then press “OK” else press “CANCEL” and reentering the money and press “OK”. If press “OK” button then following window displayed on the screen.



Loan:

- When a person press “**loan**” button it shows the all the family numbers belonged to the person.
- Select the person from whom you need money and enter the amount of money you need below “1000”, then the money will transfer from the account of donor to account of receiver.

- Whenever deposit the money in candidate account then the money automatically transferred to candidate whom we take the loan.

	Name:
	Adhar number:
	Account number:
	Address:
	Family Details:
	Money transfer:
	Loan:

When a person press “loan” button then, all the family numbers belonged to the person is appears on the following window.

Family details

Mother

Father

Brother

Sister

Family details

Mother

Father ←

Brother

Sister

**Enter borrow amount below
1000-----**

Ok

**Enter borrow amount below
1000—”900”**

Ok

**Money 900 transferred to
your account from father**

When money deposited in your account then, money transferred to the family member [the candidate where you are taking loan].

**When money deposited in your
account then, money 900
transferred to father account
from your account**

CONCLUSION

This system provides perfect demonstration in addition provide possibility of transfer of money, loan, credit and debit without money [demonstration].

REFERENCES

- [1] Biomedical image processing, Thomas martin deserno, springer
- [2] Medical image processing, K.M.M Rao and V.D.P Rao
- [3] Image processing and data analysis in computed tomography O.G.Duliu
- [4] Chen Jing. Automatic classroom lighting controller MCU study based on [M]. master's degree paper of Fujian Agriculture And Forestry University, 2010.

- [5] Chen Suisheng, Lu Jiangang, Guo Xiaohua. Technology and application of [J]. design automation, intelligent public indoor lighting system, 2008, 27 (4):118-120.
- [6] Zheng Guoheng, Zhou Yao, Zhang Ke. The design of [J]. Lighting Engineering Journal of university classroom lighting energy saving control system, 2010,21 (2):32-37.

Authors:



Dussa Sudha Mohan
Assistant Professor
Vidya bhārathi institute of
technology Jangaon



Raghu Amgothu
Contract Lecturer in ECE
Dept
Government polytechnic
Warangal