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MATLAB BASED VOTING MACHINE

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ABSTRACT
The "MATLAB Based voting machine" has a effectively voting gadgets .we can implement the que voting in MATLAB Based Voting Machine. because of this technic are very effective and easy. People can required very secure and time consuming voting. One more specification that   avoid any kind of invalid voting.it is economical benefit, this system is more economical as the required less man power Also it is use friendly, it means voter feels transparency, because he/she has to click only on one key of the respective candidates to vote.

KEYWORDS: Computer, MATLAB Software, Image processing , Fingerprint module

INTRODUCTION
 In the MATLAB software we using the image processing to create the high secure voting to use fingerprints. Its implemented for voting security   purpose we can implement the que voting in MATLAB Based Voting Machine. because of this technic are very effective and easy. People can required very secure and time consuming voting. One more specification that   avoid any kind of invalid voting.it is economical beneficial, this system is more economical as the required less man power Also it is user friendly

MATERIALS AND METHODS
Computer , finger print module, MATLAB software(R2009a),image processing ,voting panel(gui files)
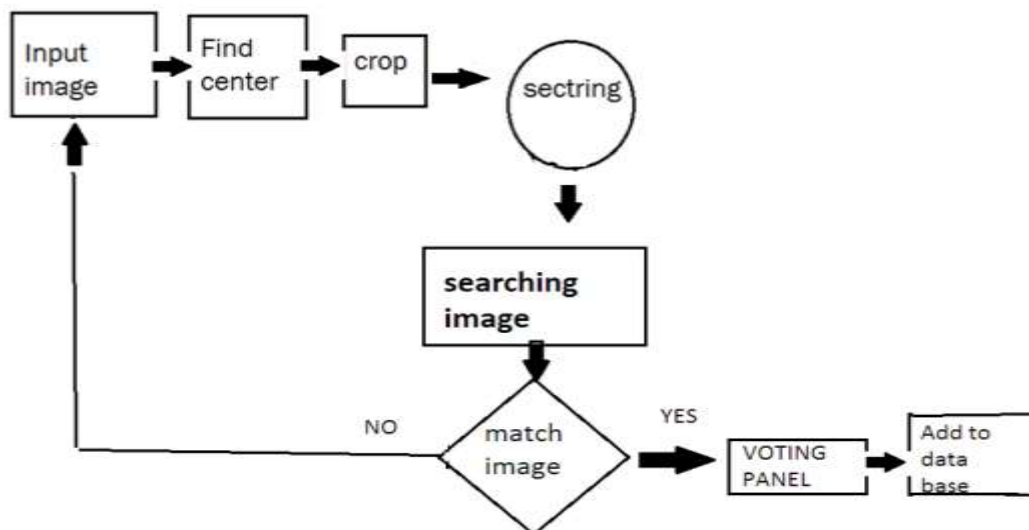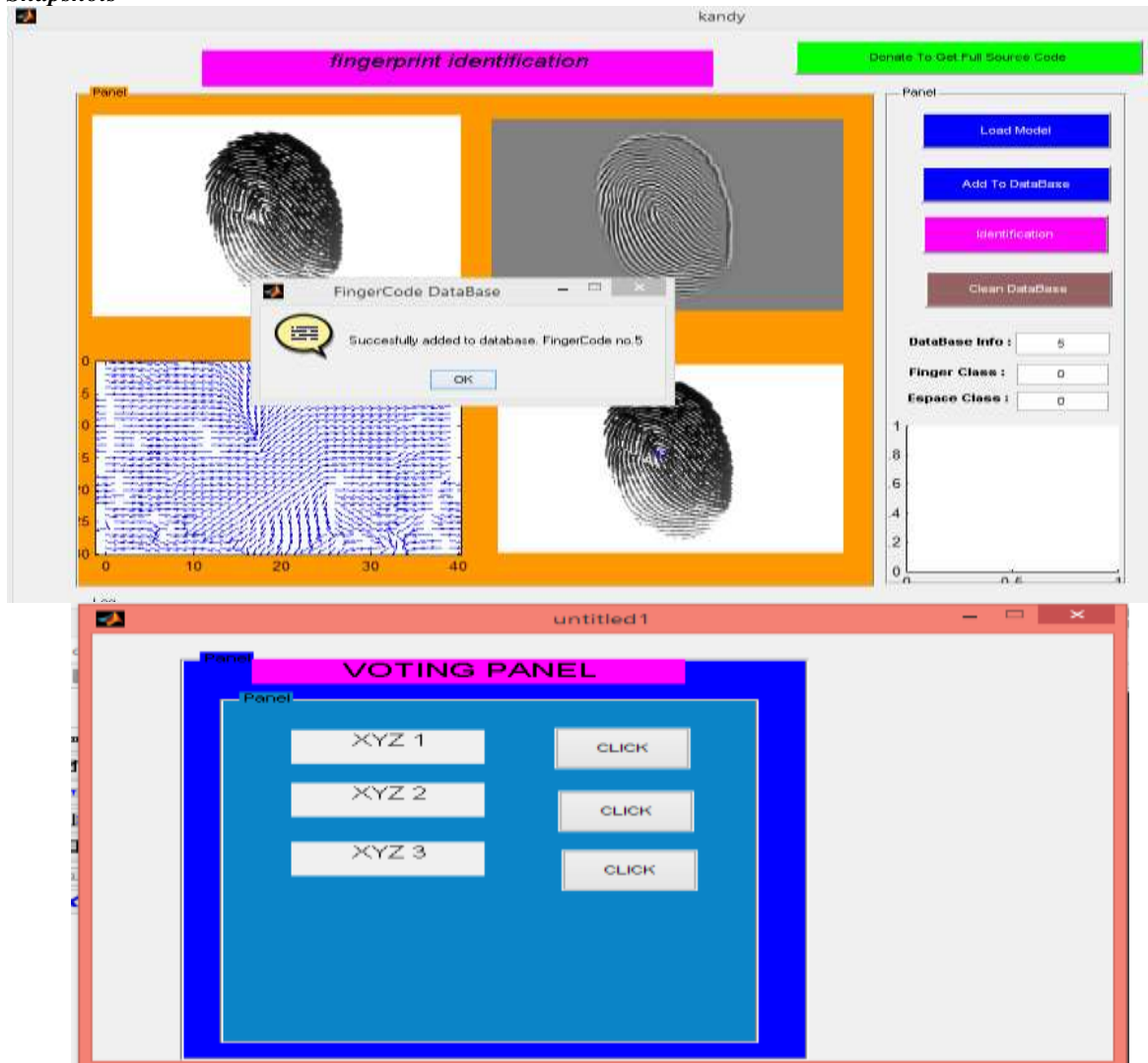

Image matching process

- ➢ We can use input of axis image i.e fingerprint image through finger print module .
- ➢ The input image are enhanced by using MATLAB algorithm then its input image can be finding the center area of unique points then its crop .
- ➢ when crop the use full image then sectoring image in four sub parts
- ➢ Utilizing the image then its database search to in saved database ,
- ➢ then searching the data base to conclude that result yes or No .the result show is yes   , YES indicate for voting panel this person is valid to vote and database save to memory within 3 second.
- ➢ while result show NO then this is indicate that it goes to input image again try or new image.

Snapshots

MATLAB processing

APPLICATIONS AND ADVANTAGES

1. It is economical.
2. Less manpower required.
3. Minimum time required for voting & counting the votes.
4. Avoids invalid voting.
5. Saves transportation cost due to its compact size.
6 .it is used truly secured voting

FUTURE DEVELOPMENT

1. Using iris detection
2. Using ADHAR Card to collect database and verify voter.

CONCLUSION

- We can implemented MATLAB based voting machine are very effective and secured .
- Easy to access the user's.

REFERENCE

- Electronics for you books.
- Mathworks.com