



DIGITAL LICENSE GENERATION USING FINGERPRINT AUTHENTICATION

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ABSTRACT

Fingerprint identification is one of the most well known and common biometric identification systems. Because of their uniqueness and consistency over time, fingerprint has been used for identification for many years, more recently becoming automated due to advancement in computing capabilities. The fingerprint system seems to be the most cost effective and easy to use among all of the biometric system with no health side effects, As such it can be used in both approaches for identification. Identification is "one-to-many" process of determining a person's identity by performing matches against multiple biometric templates. Driving license system is a huge task for the government to monitor. We can see many criminal activities from the traffic police while they are checking the documents. The crime will be done by both the side(people and police). To overcome that problem by implementing one more portable fingerprint sensor module that is given to the traffic police, Which is integrated with IOT where the person license information is stored.

KEYWORDS : Digital license ,RTO, E-cupboard system, fingerprint authentication digital license fingerprint matching algorithm fingerprint recognition.

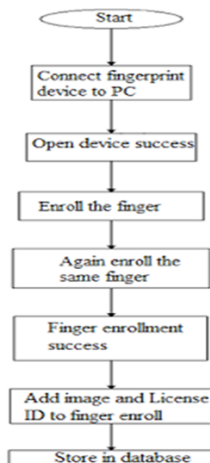
II. INTRODUCTION

In current dates Fingerprint Identification is very important, reliable and trustful human identification method. Amongst all biometrics fingerprint authentication and identification is most trustful. The E-cupboard System has centralized database, which saves the fingerprint of a particular person Fingerprint is used to fetch and read data of the particular person license details.

III. LITERATURE REVIEW

Sr no	title	Publications
1	Digital License Generation using Fingerprint Authentication	IJCA 17
2	Fingerprint Based Driver's Identification System	ICTA18

FLOW CHART:



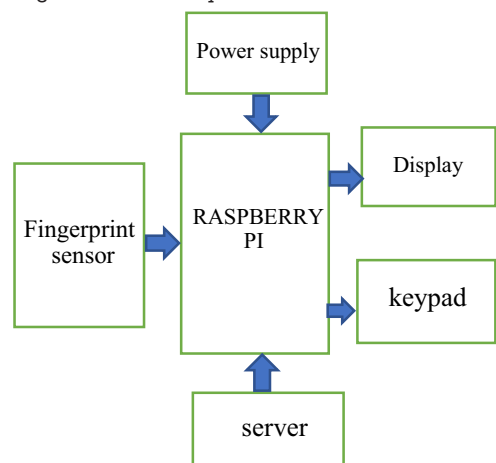
IV. METHODOLOGY

System will provide admin login and Traffic police login type. To check documents traffic police will take fingerprint ADHAR card number as input. It will open profile of user which include issued document list.

The list have document list which can be viewed by traffic police. If driver doesn't have valid document then automatically fine/penalty will be generated according to rules.

On the other side RTO office have all digital document which have stored in centralized database.

The admin user which is government employee will have the authority to issue or do not issue licence on the basis of result of driving test conducted by RTO.



V. CONCLUSION

E-cupboard is RTO document checking using fingerprint authentication web based system. Fingerprint Identification is very important, reliable and trustful human identification method.

Due to online form filling of driving license every time a resident does not needs to share the document with an agency to avail any service because soft copy are submitted while filling applica

VI. FUTURE SCOPE

The application can be enhanced with the different concepts like Face Recognition and Number Plate Recognition through image/camera, send a message to the drivers about the expiry dates of documents, verifying the vehicle-related information such as RC book, emission test, insurance and etc. It is a practical project, it can be dispatched in Real-time Environment.

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