Survey on Fingerprint Based Driving License

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ABSTRACT

At present era in our country there are so many people who are not having their original driving license with them. Some of the people are maintaining fake license, due to this the ratio of accidents increasing day to day. The proposed approach of data mining can be helpful for getting the original documents online basis based on fingerprint. In order to avoid this kind of problems the project is proposed to provide driving license verification system using fingerprint reader. finger prints of the user will be taken and their respective details like license identification number, photo, adhaar card number are maintain along with the driving license database. The officers want to check the driving license of vehicles; the verification system is used to authentication liability of the vehicle user license.

Keywords : Fingerprint, Biomatric Authentication, License, Safe Driving.

I. INTRODUCTION

The fingerprint based driving license techniques that can provide the important functions required by advanced intelligent Car Security, to avoid vehicle theft and protect the usage of unauthenticated users. Secured and safety environment system for automobile users and also key points for the investigators can easily find out the hijackers image. We can predict the theft by using this system in our day to day life. This will help to reduce the complexity and improve security. The details of the persons are collected and are stored in IOT. The fingerprint sensor is used to detect the finger print of a particular person. When a person keeps his/her finger on the finger print sensor, it will automatically detect the details of the person including license and also its expiry date. So it will surely reduce the discomfort of a person carrying license and other details along with them. By this concept the police involving in corruption can also be identified. Suppose if a Person forgets to bring his/her license or insurance or their documents got expired, then the person will receive the fine amount they have to pay in the form of message. If a centralized organization is made for collecting the fine amount, then the person must pay the fine amount at that organization and not to the traffic police. The main objective of the project is to prevent non-license citizens from driving and causing accidents, a new system is proposed. An important and very reliable human identification method is finger print identification. Finger print identification is one of the most popular and reliable personal biometric identification methods. In this project we have developed the citizen's account attached with the their license for payment of penalty charges of traffic rule breaking as well as the citizens are able to check their account details or penalty details with the help of user id and password provided by the RTO. Whenever citizen break rules, the applicable charges of rule will be sent on citizens registered mobile number using SMS. OTP will be sent to citizen to

confirm further payment process. The information about citizen is stored online on server and citizen can have access to their account on the website of RTO. Citizen will get message on registered mobile number about insufficient balance on their account.

II. RELATED WORK

Literatur Review:

We have gone through these following papers.

1. In this paper fingerprint authorization based license checking system for auto-mobile made by ``Ajay Shankar patil, sayli adesh patil, "(international journal on recent and innovation trends in computing and communication April 2016)

2. In this paper presents the designing of finger print identification in cars to avoid car theft using GSM and FPGA. made by "M.Vijay Kumar, S.Ranjith Kumar" (Fingerprint Based Licensing System for Driving" International Journal of Advanced Research in Computer and Communication Engineering Vol. 3, Issue 9, September 2014)

3. In this paper one of the most important tasks considering an automatic fingerprint recognition system is the ridges biometric pattern extraction from the captured image of the fingerprint. Made by " Mubin Shaikh, Azhar_Hakim"(Biometric_E-licence International Research Journal of Engineering and Technology (IRJET) Volume: 05 Issue: 01 Jan-2018)

4. In this paper The Bio-metric technology is an ultimate security method due to their uniqueness.Made by "G Santhosha, B Santosh Kumar" (SECURE DRIVING SYSTEM BASEDON_FINGERPRINT DETECTION)

III. RESULTS AND DISCUSSION

In important human identification method is fingerprint identification. No Two person can have same arrangement of ridge patterns and patterns of any individual remains unchanged throughout his life Whenever the officers want to check the driving license of vehicle users, the verification system is used to authenticate liability of the vehicle user license and Vehicle documents also at the time of vehicle registration the aadhar card and photo id need to be carry out that means our Biometrics its be connected to vehicle registration. It's easy to gathers to validate the Vehicle document also. Existing RTO offices didn't have systematic driving license verification system so this proposed system helps to gather original documents also. During The Enrolment Phase, The Fingerprint Sensor Scans The User's Fingerprint And Converts It Into A Digital Image Or Template.

IV. CONCLUSION

The designed for driving license verification purpose based fingerprint authentication. This system can be utilized for multiple applications during driving license verification, fake licenses detection, reducing the accidents and crime rate, maintain the database of employees working at offices, multiplexes, etc

V. REFERENCES

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