RTO Management System Using Android (QR Code)

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Abstract :   The task is tied in with building up an Upgraded Driving Permit (EDL) which gives a proof of personality and an approach to get to insights regarding permit holders past record. The venture comprises of three modules QR CODE tag, handheld cell phone to check the QR CODE tag and MVD's database. The primary module comprises of a Close FIELD Correspondence chip that will flag a protected framework to pull up your biographic and biometric information for the officer. The second module comprises of a handheld gadget conveyed by the officer which examines the QR CODE tag. The third module comprises of a MVD database identified with licensee's past record which will be gotten to by the officer by checking the QR CODE tag

IndexTerms – **Web site , Android Application.**

I. Introduction

The RTO framework which is manual in nature is totally evacuated in this strategy as we present QR CODE as the basic technology. A total QR CODE framework comprises of a transponder (tag), peruser/author and PC have. The transponder, otherwise called the tag is a microchip that has memory to store a one of a kind information and to get and send information back to the peruser. These labels are fueled by the electromagnetic flag got from a peruser.

Improvement in technology has made advanced world fringe less. It's demonstrated that because of created technology, exchange and exchange should be possible not just utilizing genuine cash yet additionally virtual one. Shopping process utilizing virtual cash has been bolstered by the current Near Field Correspondence (NFC) gadget. These QR CODE gadgets are fueled through radio recurrence.

II. Literature Survey

Existing RTO Office work is intricate, exercise in futility and significantly more Real-life issue for instance on the off chance that an individual needs to make driving permit, at that point the individual initially goes to RTO office and after that they offer work to the operator and afterward specialist complete their work by taking a great deal of cash. Along these lines when passing his or her vehicle number, protection of that vehicle, and so on are taking a ton of time. Furthermore, nowadays every single individual is in rush so by breaking down and considering these issues we are creating one web application which beats this issue and get an answer in a proficient manner.

MODULES OF THE PROJECT

Admin Module

Admin can login the application. Admin checks the documents and if those documents are legal then he will make a new user account into the application and provide EDL to the user. After creating a new user account user will get the username and password by mail.

Traffic Police Module

Traffic police login to the android application. If any user caught by traffic police then police willget the driving license and tap using android phone. After tapping, police can view the previous records, can place a new complaint. after placing a new complaint the fine

III. Methodology

The QR tag is used as a unique identity for account of a particular user. When a vehicle driver caught bay a traffic police, its driver is prompted to scan his QR tag. If the identity (serial number of the tag) is matched with the one already stored in the system, the historical records of that driver get fetch on a mobile phone. Traffic police can also placed a new complaint about that driver. If police placed a new complaint then the fine amount will get deducted from his total balance. After this, the vehicle gets immediate access to drive through. This QR based RTO system also has some additional features. A new user can register him with the system. Also an old user can recharge his account balance. The amount for recharge can be entered in the system. In beginning, the user is prompted to scan his tag or ID. The serial code of the tags identified by the reader module and is sent for comparison with stored data. If the ID is matched by the microcontroller, the fine amount is deducted from user's balance and user gets to drive through the area
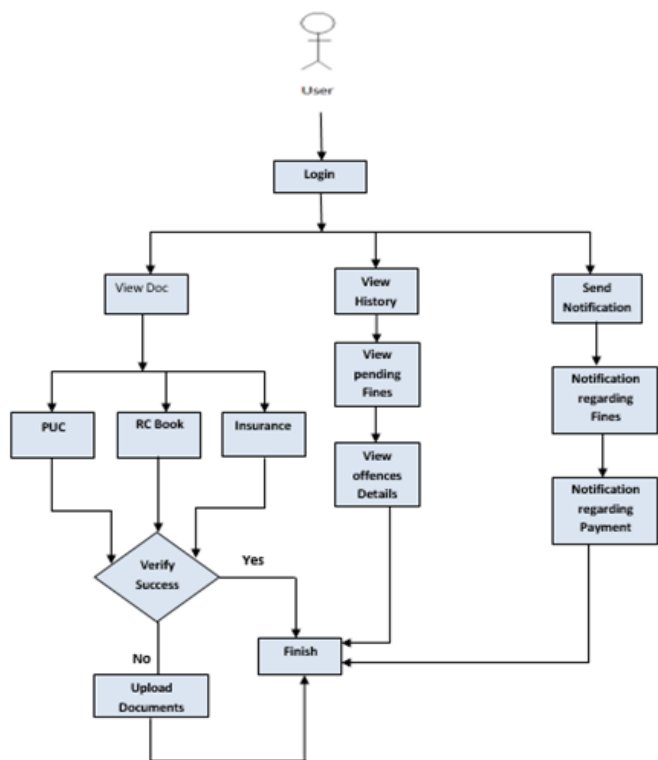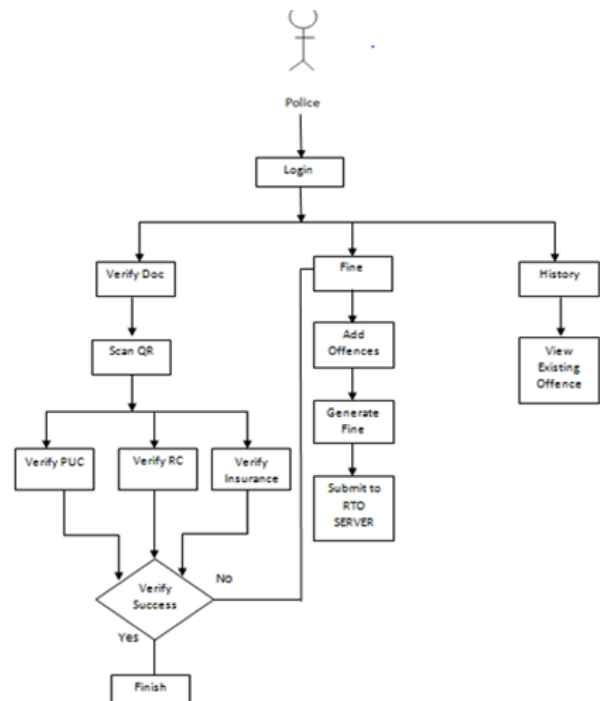
Fig. User Intraction   **Fig.Traffic Police Interaction**

IV. Conclusion

RTO gives the office of applying licenses on the web, issuance of perpetual permit, charge challan, and accepting installments against challan. The task has been valued by every one of the clients in the association. It is anything but difficult to use, since it utilizes the GUI gave in the client dialog.User well disposed screens are provided.The use of programming builds the productivity, diminishes the exertion. It has been productively utilized as a task the executives system

V. ACKNOWLEDGMENT

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