A Survey on Smart System for Vehicle Owner & Traffic Controller

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ABSTRACT: RTO system proposed to install a system which it make interface in existing system with more efficient & maximum accuracy "Smart system for vehicle owner and traffic controller" has been designed for the process of registration of vehicle and issuing driving license process. System can make the daily activities efficient and providing the fast response to store and retrieve information. It has service provider in which they have all information about location & vehicle. If they receive some message or alerting some then it will response to those message by providing services.

KEYWORDS: e-RTO, Flex, Adobe, Cellular Network.

I. INTRODUCTION

In this project we have different modules in which they store different information & having different service. In RTO it has process for registration of vehicle, their documents data all are stored in database in which they access from here. In maintenance or service provider they have whole document & information about location in which vehicle owner who face problem, they give service to them. This new system also provides feature for detection of lost vehicle.

Administrator is power user. He has the power to verify the data entered by the user, processing of data and provide appropriate solutions. Any person who has been authorized by the administrator can use this system. An authorized user should have a user name and password to access detailed information from the site excluding for accessing general information in shared, public pages. User is the person who gets the all benefits of this application.Registration of vehicle through online gives unique id no to all vehicles.

Issue of information about license, which include application forms, demo of learner's license test and other information. It help's traffic police for tracing particular vehicle. It helps for public awareness. Separate account for the license holders and police. Provide mail alerts for users about license expiry and also registration of complaint.The vehicle owner uploads vehicle document & it will be stored in the database. Traffic police will have all lost vehicle's record then it will detect the vehicle, if their information & lost vehicle information matches then it will be verified and the vehicle owner will get back the lost vehicle.

II. EXISTING SYSTEM

In existing system, it is manually which takes more time or it has disadvantaged it also has complexity .We know that the production and use of vehicles are increasing day by day. Hence the need of RTO is very important nowadays. The complex functions such as Registration of vehicles etc. becomes very difficult if we are using the existing system. In existing system everything is done manually that is why need each and every department does some functions. Such as registration, license issues for this there are certain procedure & formalities to perform.

For these each process requires more than month for all formalities. In license they provide first learning license for a month while they fill the registration for, they provide learning license, and then after completion of one month they again apply for a permanent license. In some duration of time user gives trial to RTO person, if they are satisfied with their performance then again user need to fill the application form for permanent license, within a month license is provided to the user. This is the process of exiting system in which it takes more time, complexity increases, energy consumption also increases. To know about the problems specifically, we have done a detailed study on the whole procedure of the system which is currently running.

III. PROPOSED SYSTEM

In this project we overcome the problem of existing system. In this we made online process for all the registration process for issuing license or for service provide. In this system people can easily download & upload the documents. It takes less time, IT has highly secure data for security process.
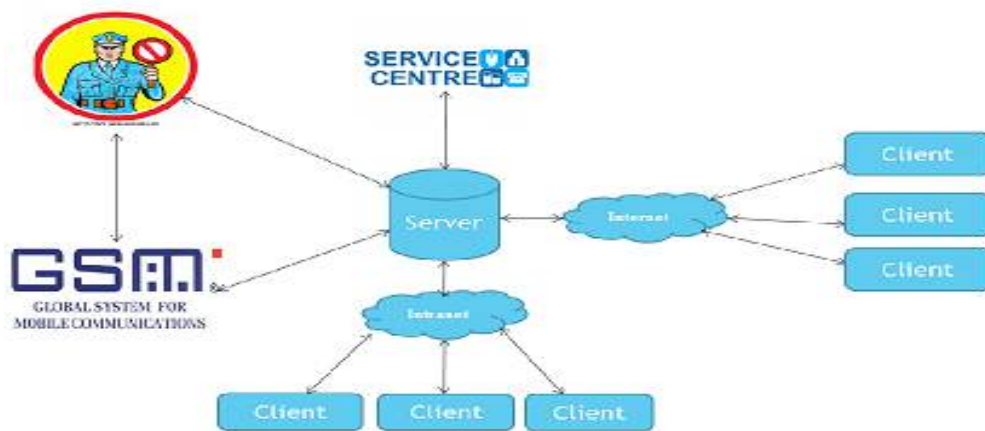

Fig. 1 System Architecture

It will help traffic police also in which they will have full information & data of authorized users. It is more user friendly. Traffic police will also have information about lost vehicle. In service provider they provide maintenance & services to those vehicle owners in their preference locations.
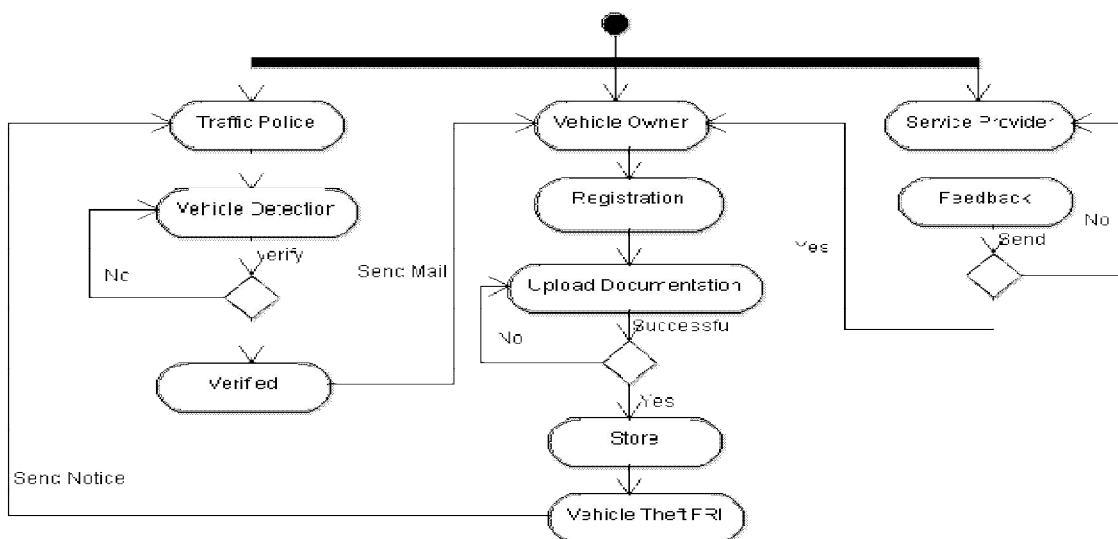

Fig. 2 Flow Diagram

IV. CONCLUSION

"**Smart system for vehicle owner and traffic controller**" has been designed to automate the process of registration of vehicle and issuing driving license process. System can make the daily activities efficient and providing the fast response to store and retrieve information.The main aim of the project is to design innovative software, which deals with the RTO management system. The motto of the project is to simplify the job of the administrative people and to render a user friendly package.

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