ISSN: 2321-7782 (Online)
Volume 2, Issue 12, December 2014
International Journal of Advance Research in Computer Science and Management Studies
Research Article / Survey Paper / Case Study
Available online at: www.ijarcsms.com

# *E-Governance System*

**Prashant K. Chaudhari**[1]
MCA Department, VESIT
University of Mumbai
Mumbai, India

**Hina Safi**[2]
MCA Department, VESIT
University of Mumbai
Mumbai, India

**Haresh Masand**[3]
MCA Department, VESIT
University of Mumbai
Mumbai, India

***Abstract:*** ***The objective of the project is to provide a helping hand to curb the nuisances of road rage. The aim of our project is to provide a system which will penalize the wrong doers who break traffic rules and book them rightfully. This system will not only store the vehicle and customer information but will also be used to introduce the concept of E-card which will be used to charge the offender. Therefore, with the aid of this project we hope to reduce the number of accidents and traffic offences.***

## I. INTRODUCTION

This project entitled "E-GOVERNANCE SYSTEM" is a desktop application to assist an RTO officer to deal with the traffic system. This project will help the RTO to have a better and simple view of the complex web of the traffic system. Though there are different penalties available for violating different traffic rules, still a large number of offences go unregistered. The main reason for that is bribery and Corruption. Due to bribery, the money that should be collected as fine goes into the pocket of corrupted officers and as there is no centralized system available, it is difficult to keep track of repeated offenders. This is where the need for a system to curb this corruption and gave us the opportunity to create E-GOVERNANCE system.

## II. EXISTING SYSTEM

Motor Vehicle Inspector (A.MVI) and Sub-Inspector in charge of the Traffic Police wing have the right to levy on-the-spot fines from the violators. This is known as *compounding* an offence. Fines would be paid on the spot and a *Challan* (receipt) would be given to the driver. Other officers issue a *Vehicle Check report* which lists out the violations noticed on the driver or on the vehicle. The notice would contain the relevant sections in which the driver is charged and also a date to appear in court.

The accused can plead guilty by sending a Postal Money order (MO) to the court indicating that he is pleading guilty. The court which handles these cases is the Judicial First Class Magistrate Courts and the trial is a *summary trial* (which means if a person is found guilty, he/she cannot appeal to higher courts).

For drivers who drive under the influence of liquor or other narcotic substance, on-the-spot fine cannot be levied. The driver would be taken to a hospital and a medical report made out. The accused should appear in court.

## III. LIMITATION OF EXISTING SYSTEM

» As the fine is collected in cash, no record is available when bribery takes place.

» If a person breaks the signal and runs away, then he/she won't be available to pay fine and would go free.

» Adamant people sometimes refuse to pay fine, which leads to fight.

 

» Sometimes, due to political influence, the offender might escape from paying fine.

» Time Consuming

## IV. Proposed System

The proposed system introduces the concept of penalty card wherein a card is issued at the purchase of a vehicle with a specific amount in it and it would be compulsory for the vehicle owner to buy it. Now, for every offence the vehicle is involved it, a certain amount is deducted from the card until three offences and after that the license of the owner of the vehicle stands cancelled. The card owner is informed about every penalty via SMS.

The system stores the vehicle card information hence; if the user just has the vehicle number he can get all the information about the vehicle owner and the number of penalties he has been involved in.

One of the major assets of this system is its revenue generating system; wherein the penalty charge that is deducted from the card is the amount that has been generated by penalizing the offence. Hence it is revenue for the government. This system will provide a graphical view of the revenue that has been generated on a monthly, quarterly and yearly basis which can be used to access the amount of the people involved in traffic offences.

## V. Scope

» To restrict unauthorized access

» The efficient handling of details regarding the customer and their vehicles.

» To store, update and delete the relevant data

» To generate monthly, quarterly and yearly report based on the revenue generated from fine

» To avoid data redundancy and loss of data

» To provide a simple and user friendly GUI

» To make the Traffic penalty system corruption free and efficient

» Use of E-card to deduct the fine amount.

## VI. Hardware And Software Requirement

**Software Requirement**

| **Developer Side**: | |
|---|---|
| Operating System | Windows 7 |
| Application System | IIS 5.4 |
| Database | DERBY |
| Programming language | Java |
| Development IDE | Netbeans 7.4 |
| **Client Side**: | |
| Operating System | Any |
| Web Browser | Any |
| **Server side:** | |
| Operating system | Any |
| Application Server | IIS 5.1 |
| DBMS | DERBY |

 

**Hardware Requirements**

| **Developer side**: | | | |
|---|---|---|---|
| Processor | | RAM | Disk Space |
| Intel p4 or equivalent | | 512MB | 2 GB |
| **Client Side**: | | | |
| | Intel p4 or equivalent | 512MB | 1 GB |
| Server Side: | | | |
| | Server Environment Capable Hardware | 2 GB | As per the Size of the required Data base |

## VII. SNAPSHOTS


*Fig 1 Login Form*

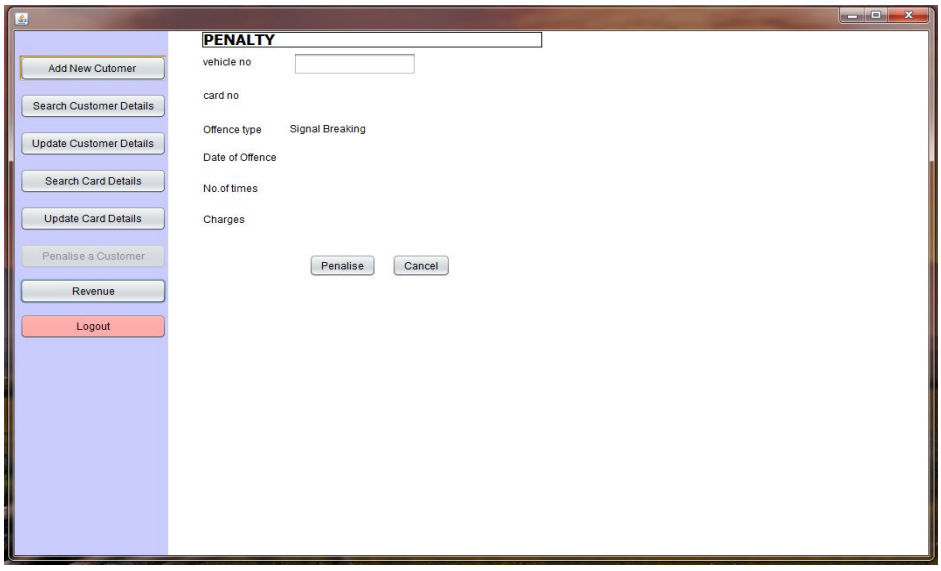


*Fig 2 Penalty Form*

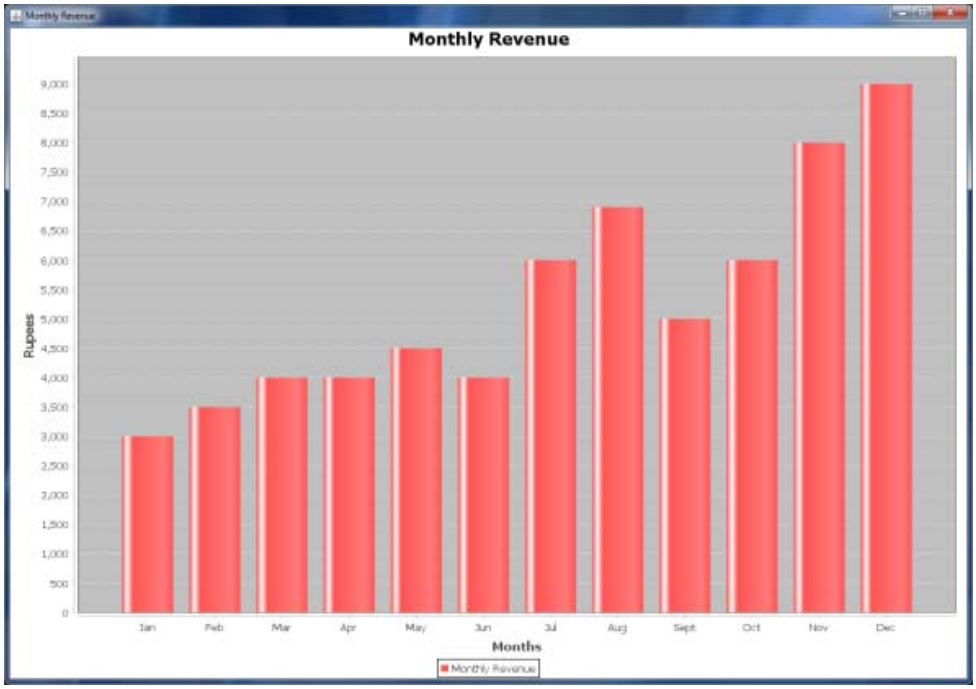


*Fig 3 Revenue Form*

## VIII. Future Enhancement

The proposed system is made keeping only one RTO office in mind, in future the scope of area covered can be increased further to add more RTO. Hence, further a network of different states connected via the internet can use this application and aid in better traffic management. Currently, this project is used to book the offender for crossing the signal, in future the types of offences can be increased to add more offence like drunk driving, talking on phone while driving etc. When a vehicle gets stolen then the card would be automatically discarded as soon as the Police Report is registered. Currently, the E-card is a virtual card but in future it can be an actual card which would come into use.

## IX. Conclusion

Thus the E-Governance System was studied, implemented and is observe to give the desired output.

## Acknowledgement

We take much pride in presenting our project. In our path, we definitely need to mention the names of certain individuals without whose assistance our project would have been a difficult undertaking indeed. It is matter of great pleasure for us to express our profound thanks and deep gratitude towards our Professors and Staff to guide us from time to time. We are pleased to have this opportunity to express our deepest gratitude to Prof. NISHI TIKU (Head of Department) and Prof. SHIVKUMAR GOEL whose valuable guidance and suggestions helped us in accomplishing our project. We express our whole hearted gratitude towards the entire MCA Department, my classmates and the people who were directly or indirectly involved in the successful completion of this project.

## References

1. Richard Heeks, “Implementing and Managing eGovernment”
2. Hans J. Scholl, “E-Government Information Technology and Transformation”
3. http://msdn.microsoft.com
4. http://www.dataflowdiagrams.com
5. http://www.google.com
6. http://www.wikipedia.com

 