**City Traffic Violation Recording System**

**1. Introduction**

Crime, through its impact on victims and through its indirect effects on the wider community and perception of crime, clearly has strong links to health and well-being.

Generally many crimes seen by the public will not reach to the police due to many reasons like fear, Lack of time, Ignorance. Due to this reason many cases are not even reaching the police station. Though some cases are registered they are not investigated properly due to lack of evidences and Cooperation of the public. This system constitutes the last stage of violation recording cycle in traffic department. In this system the recorded violations are dispatched to police central server in real time.

**2. Objective**

The aim of this project is to develop a management system which is easily accessible to the public and the traffic department and also helps the traffic police department in preventing violation activities in future.

This is a new feature which is made available to public for interaction with police indirectly. This system registers the complaints from people through online and is helpful to the police department in catching criminals. In this system any person can give any complaint anytime.

**3. Scope of the project**

This project contains the functional requirement which is helpful for both public and traffic department in solving their problems.

**4. Tools / Platform, Hardware and Software Requirement specifications**

**Hardware requirement**

Processor Pentium Dual Core Processor+

Processor Speed 1Ghz+

Hard Disk 40GB+

Main Memory 1GB+

Display Type Color Monitor

**Software requirement**

Development Tool (IDE) Microsoft Visual Studio (.Net)

Language C#

Server Side Script (Front end) Asp.Net

Database (Back End) MS-SQL SERVER

Web Server IIS (Internet Information Services)

Operating System Windows 7,8,10

Web browser Internet Explorer, Chrome etc.

**5. Main Modules of Project**

This section outlines the use cases for each of the active readers separately.

* Public(User)
* Traffic Department(Admin)
* **Public(User)**
  1. **Registration** : the public has to register this module in order to access the system properties. By giving personal and valid authorize id and password.
  2. **Login** : module is used by the authorize public to enter into the system
  3. **Complaint**: General public can send their complaints online to traffic police department by this system.
  4. **Status** : After sending complaints public can check their status in online.
  5. **Suggestion**: Public can give their suggestion through online which will be helpful for traffic department to handle crimes easily.
  6. **Check fine**: this module is used to check fine details which is registered by the department for the violation done.
  7. **Change password** : this module is used by the public to change their old password if needed.
  8. **Online payment gateway:** this module is used to pay the fine for the violation done by vehicle through oline.
  9. **View fine history:** The history of fine payment details are viewed by the public .
* **Traffic dept.(Admin)** 
  1. **Login** : authorize admin enters into the system through valid id and password.
  2. **Registration of Officers:** The admin will add all the details of the traffic department officers by giving authorize id and password to handle the cases which has been lodged by public.
  3. **Assign officers:** The job will be assigned by the department to the concern officers to process the work.
  4. **Status update:** The status of the crime is updated by the assigned officers.
  5. **View suggestion:** The suggestion given by the public will be viewed by admin.
  6. **Emergency details:** Details of the hospital and ambulance will be added by the admin so that it will be helpful for public.
  7. **History of cases:** this module gives the detail information of the violation recorded form past to current. So that it will be helpful for future case study for the cases.
  8. **View public details:** this module gives the details of public who have registered to the application.

**CONCLUSION**

The **traffic violation recording system** is a web-based application focused primarily for traffic departments and public for handling vehicle violation crime information. This system helps in proper communication with them in handling managing crime details.

In order to make this work computerized we designed a crime information system which will handle all these works and provide solution for information sharing between various traffic police stations. It is user friendly, and has required options, which can be utilized by the user to perform the desired operations.