**Signal Violating System**

Project Overview

SVS is the web Application aimed at providing a wide range of access to the administrator in managing and monitoring the and generating e-Challan of registered Vehicle. SVS is basically an interaction between Administration and vehicle owner. This project describes how challan becomes easy for user through keeping it online. which Admin can easily interact with rest of module application. SVS is a system used for managing the activities of Traffic Violation like Issue challan, Update owner, Vehicle Registration and Reports etc.

Scope

important modules in the system

1. Create and maintain Vehicle Information
2. Signal Management
3. Generate and maintain E-Challan
4. Update Owner
5. Generate Reports

This document details out the requirements for the Signal Management module.

Purpose

SVS is mainly improvised for looking after the Set off data of a region to manage the Traffic along that area and implement various useful technologies which are been required by various persons like vehicle owners, pedestrians, police officers etc….Mainly the purpose of Smart traffic management system is to give the details which can be used and they can be implemented in their daily life. The problems which have been occurred at their presence can be solved by this Smart Traffic.

Current Scenario

In the Current scenario all work is done on pen and paper based due to which record maintenance is much difficult and Department head must collect the user inputs and will have to pass it on to Admin. Since lot of manual workflow is involved, its takes lot of time for Admin to close each regulation. And the other reason is that one is not able to check the traffic light status and person allotted to that light. It will also help to maintain the record of each and every vehicle that is moving. So new system is required to automate this regulation creation and close process.

# SVS Requirements

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| --- | --- | --- | --- |
| **S. No.** | **Requirement** | **Short Description** | **Description in detail** |
| 1 | Login | Login with different roles User, Admin | There should be provision to login as Admin or as User |
| 2 | Vehicle Registration | Register vehicle details | The admin should have the details of the vehicle to be registered into the system. |
| 3 | Signal Management | View Signal | The admin should view the details of the signal to be registered into the system |
| Register Signal | The admin can register the signal in the system |
| 4 | E-Challan | View Challan | The officer can view the number of challan issued to the person |
| Issue Challan | Officer can issue challan |
| 5 | Update Owner | View Vehicle | Officer can view the detail of the vehicle and its owner |
| Update Vehicle | Officer can update the detail of the vehicle and its owner |
| 6 | Reports | Generates the report of violations | Administrator triggers the functionality once he/she receives the dates. |