

MES COLLEGE OF ENGINEERING-KUTTIPPURAM  
DEPARTMENT OF COMPUTER APPLICATIONS  
20MCA245– MINI PROJECT

**Mini Project Proposal (III Semester MCA)**

Approval of the mini project proposal is mandatory to continue and submit the project work.

The mini project proposal should clearly state the project objectives and the environment of the proposed project to be undertaken.

The following documents are to be submitted for approval

1. Pro forma for approval of the mini project (Present in this document)
2. Synopsis/Abstract with following contents
  - i. Title of the Mini Project.
  - ii. Introduction and Objectives of the Project.
  - iii. Tools / Platform, Hardware and Software Requirement
  - iv. . Problem Definition and Initial Requirements
  - v. Basic functionalities of the project

The abstract should be submitted in the format given in the 3rd page of this document.

The Abstract in the given format shall be uploaded on or before **07.08.22**

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PRO FORMA FOR THE APPROVAL OF THE THIRD SEMESTER MINI PROJECT

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(Note: All entries of the pro forma for approval should be filled up with appropriate and complete information. Incomplete Pro forma of approval in any respect will be rejected.)

Mini Project Proposal No : \_\_\_\_\_  
(Filled by the Department)

Academic Year : \_\_\_\_\_

Year of Admission : \_\_\_\_\_

1. Title of the Project : TRAFFIC SQUAD-PENALTY COLLECTION AND MANAGEMENT

2. Name of the Guide : \_\_\_\_\_

3. Reg.Number of the Student: MES21MCA-2005

4. Student Details (in BLOCK LETTERS)

Name

Roll Number

Signature

ASNA NASRIN P V      05      \_\_\_\_\_

Date: \_\_\_\_\_

**Approval Status :**    Approved / Not Approved

Signature of  
Committee Members

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**Comments of The Mini Project Guide**

Dated Signature

Initial Submission : \_\_\_\_\_

First Review : \_\_\_\_\_

Second Review : \_\_\_\_\_

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**Comments of The Project Coordinator**

Dated Signature

Initial Submission: \_\_\_\_\_

First Review \_\_\_\_\_

Second Review \_\_\_\_\_

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Final Comments :

Dated Signature of HOD

# TRAFFIC SQUAD-PENALTY COLLECTION AND MANAGEMENT

ASNA NASRIN P V

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## 1) Introduction

The project “Traffic squad-penalty collection and management” is a system which helps the people as well as the police by means of time and efficiency. With the increasing importance of corruption has become major factor.

Existing system makes the use of pen and paper that is a challan that are given to the offender on breaking the traffic rules. As the system consist of paper work the papers are mostly gets damaged or tempered. This process is very time-consuming. The RTO employees having lot of work burden of making penalty etc, which required lot of paper work. As a result, people cannot get things done in right time.

The proposed system is provided to traffic police to create online FIR with vehicle owner and vehicle registration number as proof, user side receive the FIR receipt with fine details. So it provide proof of pay and receipt generated. It reduces corruption also.

In this system user can to see about the penalty imposed on the owner of the details. By doing this the tendency of getting away without being penalized will reduce and subsequently the traffic violation will be mitigated without industrious use of human resources.

## 2) Problem Definition

Roads are the major connective mode in any country and often characterized by traffic congestion due to lack of traffic management. It may be due to the large population, lack of technology and violation did by the people, among them, traffic rule violation is major issue. It is very difficult for the authorities to check there is a traffic rule violation or not, which leads to miserable situations where it becomes dangerous not even for the drivers but pedestrians as well. From recent research, it is found that due to this in India the number of accidents per thousand vehicles it is 35. To overcome these violations, technology can play a major part hence in this work web based methods is focused.

## 3) Objective

The objective of this project is:

- To make the public aware about the traffic rules and regulations.
- To help the police to make the cases fast and effective.
- To create and view the challan details through the single interface.

#### **4) Basic functionalities of the project**

The project will include the following areas:

The system is capable enough to store different cases and also perform some editing on them that is added. It will be having user-friendly GUI that will guide the user to easily achieve the same.

- Admin
- Police
- User

##### **4.1) User Characteristics**

###### **A) Admin module:-**

1. Manage Police Login
2. View Daily Report

###### **B) Police module:-**

1. Login
2. Rules
3. Create Case
4. Uploading vehicle number

###### **C) User module:-**

1. Register
2. Login
3. View challan
4. View case filed

## **5) Software Requirement**

- Front-end            - Python
- Back-end            - MySQL