E-CHALLAN APPLICATION

Durvesh Gade*1, Dikshant Kukreja*2, Anushree Khadye*3, Akshat Gangar*4, Khush Dattani*5, Sonali Pawar*6

*1,2,3,4,5Student, Vivekanand Education Society's Polytechnic, Chembur, Mumbai, India.

*6Professor, Vivekanand Education Society's Polytechnic, Chembur, Mumbai, India.

ABSTRACT

With the E-challan system, effective and powerful watching of the traffic violators becomes straightforward for the traffic police. within the age of medical aid, traffic defaulters are going to be ready to currently pay E-challan either online or offline, looking at the ability given by their town or state. E-challan system has been introduced to avoid money transactions so everything is incredibly clean and clear. the govt. of Bharat has conjointly introduced. The traffic E-challan is paid each online also as offline by the traffic violators.

Keywords: E-Challan, Android, Traffic, Police, Vehicle.

I.   INTRODUCTION

A vehicle e challan is a computer-generated challan employed by the Traffic Police and is being issued to all of the traffic defaulters in India. the Government of the Indian nation has initiated this method to form the traffic services convenient, straightforward furthermore as clear to the overall public.

Aim

1. The system aims to produce an ideal resolution for the challenges that the transport departments are facing with relevancy supplying of traffic challans, managing records/ back-end operations, following offense history, payments, reports, etc. by leveraging the latest technologies that square measure straightforward to use, adapt and implement at the bottom level. Minimizing Revenue loss and enhance transparency.

2. Minimizing time and efforts of citizens in creating payments or follow-up actions that they face once obtaining challan on Road.

3. Online payment of challans by citizens "anytime and anywhere"

Objectives

The Government of India desires to create the payment of the challan method easier and less feverish for the voters of the country. Currently, the voters of India who needs to pay challan ought to head to the involved workplace and expect a long queue outside the workplace to submit the fine. As this e-challan technique can begin, this fine submission method can become easier for the payers.

Citizen/Traffic police will produce their profile on the app simply by filling out the mandatory details and submitting a verification document. documentation of user's details can follow to avoid faux registrations and keep the integrity of the net app.

Features

Our E-Challan Application will be known for its:

➢ Hassle-free and quick search

➢ Easy to operate and effortless navigation

➢ Will let the Users add their further vehicle data within the app

➢ Will conjointly let the Users examine their unfinished challans and therefore the history of their challans from the applying

➢ Will let the Traffic Police issue a challan to the traffic violator with ease and might conjointly search the vehicle range of the violator

➢ All the registered profiles are verified to ensure the privacy and authenticity of the account

II.   LITERATURE SURVEY

Since everything is on associate electronic platform, the idea of e- challan system has been introduced. A vehicle e challan may be a computer-generated challan utilized by the Traffic Police and is being issued to all or any the traffic defaulters in Republic of India. the govt of Republic of India has initiated this method to form the traffic

services convenient, straightforward still as clear to the overall public. Also, with the e-challan system effective and powerful observation of the traffic violators becomes straightforward for the traffic police. within the age of medical aid, traffic defaulters are ready to currently pay e-challan either on-line or offline, counting on the power given by their town or state. E- challan system has been introduced to avoid money transactions in order that everything is extremely clear and clear. The application introduces a completely unique idea of victimization the mobile-based app for issuance E-Challan. The mobile-based access to the system is on the market solely to social control officers through robot smartphones. Mobile-based access ensures the services are accessible anytime anyplace.

III.   MODELING AND ANALYSIS

Problem definition

With the increasing variety of accidents in India as traffic pointers don't seem to be obtaining followed, challan has become quite a common conception. Therefore, keeping in mind, the requirement of adhering to the traffic rule, to form positive that a driver doesn't violate any traffic rule and conjointly to safeguard the protection and safety of others on the road, traffic challan has been brought into the image.

Project Description

The E-Challan application has 2 Modules:

1. Civilian Login:

The Civilian Home Page will have the following features:

• Add Vehicle: The user can add their vehicle(s) information in the application so that it becomes easy for the traffic police to get the information of the rightful owner.

• Add your personal details: The application can also act as a digital locker for the users. The users can add their personal details and information like License Number, Mobile Number, Vehicle Documents, PAN number and Aadhar Number. With these details, the user can provide the required documents when asked by the police officer.

• Check Challans: The user can see whether or not they have a pending challan(s) and if yes, the user can pay their pending challan(s) through the application.

• E-Challan History: User can also check their e-challan history and the traffic violation(s) for which the user got the challan.

2. Traffic Police Login:

The Traffic Police Home Page will have the following features:

• New Challan: The traffic police can issue a challan for any violations made by the traffic violator via the application through their mobile phones.

• Search Vehicle: The traffic police can check the information of the vehicle owner by entering the vehicle number (E.g: MH 01 N 777).

• Challan History: The traffic police can also check the challan history of the current traffic violator by entering the personal details of the traffic violator.

• Print Receipt: After issuing a challan, the traffic police can print the challan receipt with all the details of the traffic violator and the traffic violations made by them and also the fine amount they have to pay.
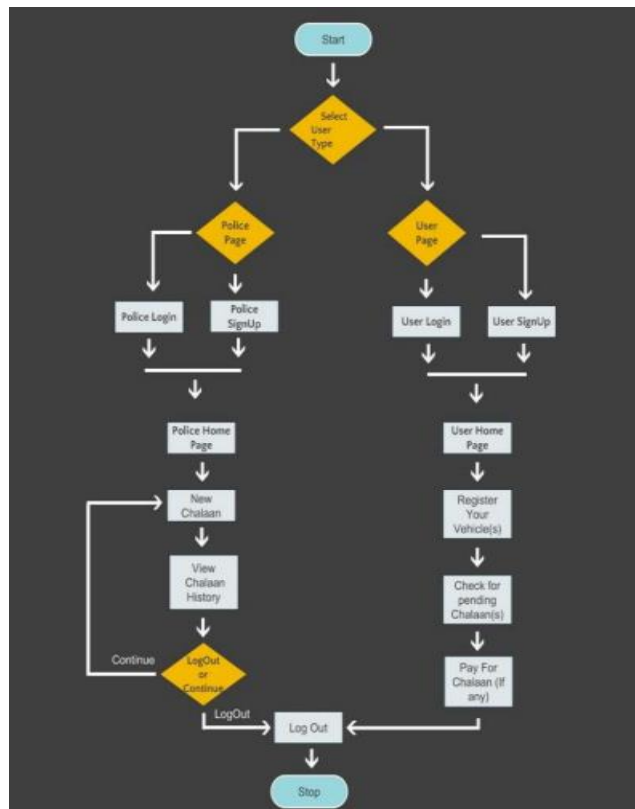
Proposed architecture

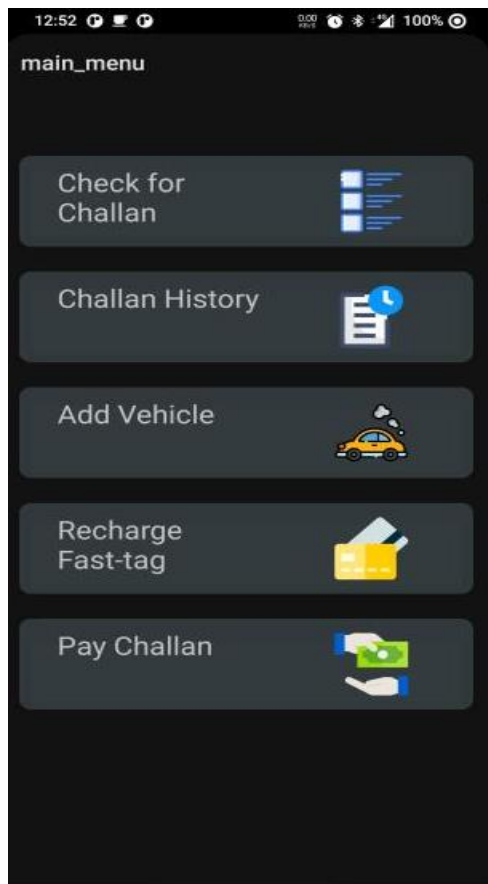**Figure 1:** The proposed flow of the project

Figure 2: Prototype Home Screen

IV.   CONCLUSION

The system aims to supply an ideal answer for this challenges that the transport departments is facing with reference to following the challan records, payments, reports etc. by leveraging latest technologies that square measure simple to use, adapt and implement at the bottom level.

ACKNOWLEDGEMENTS

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