

# Smart Traffic App Using Android Phone

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**Abstract:** There are turns out to be more major issues of activity offense and congestion in city because of the issues of traffic accident as the increment of the city vehicles. Notwithstanding, there are restricted traffic police, so activity watch and working at normal spots are the previous methods for working that can't viably take care of the issues over any more. We composed and understood the mobile office framework through the portability normal for the activity police working and the examination of the substantial working scale, which could successfully tackle the jam issue by taking in the road turned parking lot Situation. The data of the traffics which manage the auto collisions and activity offense can viably gather by the framework which could significantly supportive for enhancing the work productivity of the traffic police.

**Keywords:** Android, Mobile office system, Traffic jam situation, Vehicle information.

## I. INTRODUCTION

In right on time days, for voyaging and transportation there are roughly 55% people groups are street ways. Today everybody has his own particular vehicle. The activity out and about is consequently get expanded as the prevalence of the vehicle increments. Because of which year by year, the offenses are likewise being expanded. The greater part of the times it has been watched that individuals dispose of giving so as to pay the real fine rewards to the street traffic officers. Likewise, the issues of auto collisions, activity offense and blockage in city turn out to be more genuine with the expansion of the city vehicles. In any case, working at general places and traffic watch are the previous methods for working which can't adequately take care of the issues above in light of the fact that, there are predetermined number of the activity police. The proposed framework will be created as an android application that can be introduced on any android bolstered handset and consequently can be utilized by all the traffic officers. There will be no need of conveying the tablets or substantial non compact frameworks. The proposed framework will be utilized by open as well as street traffic officers.

The continuous controlling framework is the most essential part of this framework, where the sections made utilizing the application will be put away at the back end progressively Therefore the traffic police are dire to require a portable office framework which is arrived and utilized advantageously and also can take care of the down to earth issues.

Checking the driving permit, seeking and gathering the information data of the related individuals and vehicles in the working spot should be possible utilizing this framework.

The exploration understood the elements of the area and seeking ongoing traffic data through dissecting the framework design, by making utilization of the Google Map information, and by utilizing the Google Weather API and the web climate XML, it understood the elements

of the looking constant climate data and climate gauge. In addition, it understood the elements of the information importing, seeking and adjusting through the SQLite database.

### 1.1 Purpose

There is a need to move all the administration exercises towards the digitized world as now the world has altogether digitized. Likewise the majority of the administration exercises being directed fall prey to debasement. So to avoid such things the proposed framework expects to plan and execute and application for one such government assemblage of Road Traffic Office. A large portion of the times it has been watched that individuals dispose of giving so as to pay the genuine fine rewards to the street traffic officers. Likewise, the issues like blockage, activity offense and car crashes in city get to be expanding and more genuine as a result of the vehicles expanding proportion. Be that as it may, activity watch and working at standard spots are the previous methods for working which can't successfully take care of the above issues any longer in light of the fact that there are restricted traffic police. Through the investigation of versatility normal for the activity police working and the substantial working scale the examination outlined and understood the portable office framework, which could viably take care of the automobile overload issue.

The data of the traffics which manage the auto collisions and activity offense can adequately gather the framework which could significantly enhance the work effectiveness of the traffic police. The proposed framework concentrates on the issues confronted by open. There is an important to move all the administration exercises towards the digitized world as the world has altogether digitized now. Likewise a large portion of the administration exercises being directed fall prey to defilement. So to keep away from such things the proposed framework intends to plan and execute and application for one such majority government assemblage of Road Traffic Office. The majority of the

times it has been watched that individuals dispose of giving so as to pay the real fine influences to the street traffic officers. Additionally, the issues like blockage, traffic offense and auto collisions in city get to be expanding and more genuine as a result of the vehicles expanding proportion. Be that as it may, activity watch and working at consistent spots are the previous methods for working which can't viably take care of the above issues any longer on the grounds that there are constrained traffic police.

Through the investigation of versatility normal for the activity police working and the expansive working scale the exploration outlined and understood the portable office framework, which could adequately take care of the car influx issue. The data of the traffics which manage the car crashes and traffic offense can viably gather the framework which could incredibly enhance the work productivity of the activity police. The proposed framework concentrates on the issues confronted by open and in addition the street traffic officers and in addition the street activity officers.

**II. EXISTING SYSTEM**

Having a dispersed framework and multi headed framework, the procedure of controlling street petty criminal offense and the whole traffic framework has an extremely obsolete strategy where there are loads of pitfalls where the framework can get to be casualty of the unsafe malignancy named as debasement.

An Application for open use in knowing traffic tenets and data in regards to different signage data and fines against the offense has been dispatched, however there are again a not very many offices that are given as specified underneath:

1. User Manual for open
2. General Traffic rules
3. Rule infringement and fines against offense
4. My Towed vehicle data
5. Current Traffic and so forth.

The real drawback here is that there is no procurement for staying away from the different fakes that can be corporates while on streets.

Therefore there is a need to add to a framework that will advantage regular individuals and also activity officers to deal with the framework halfway and have a track of the whole records all through the city.

**III. PROPOSED SYSTEM**

The framework which will be intended to build up an application which is utilized to take care of the traffic issues. This can be made use for checking the driving permit, seeking and gathering the information data of the related individuals and vehicles in the working spot. The traffic offenses which are connected with street and

vehicles are expanding year by year with the advancement of the development of activity street and the ubiquity of the vehicles.

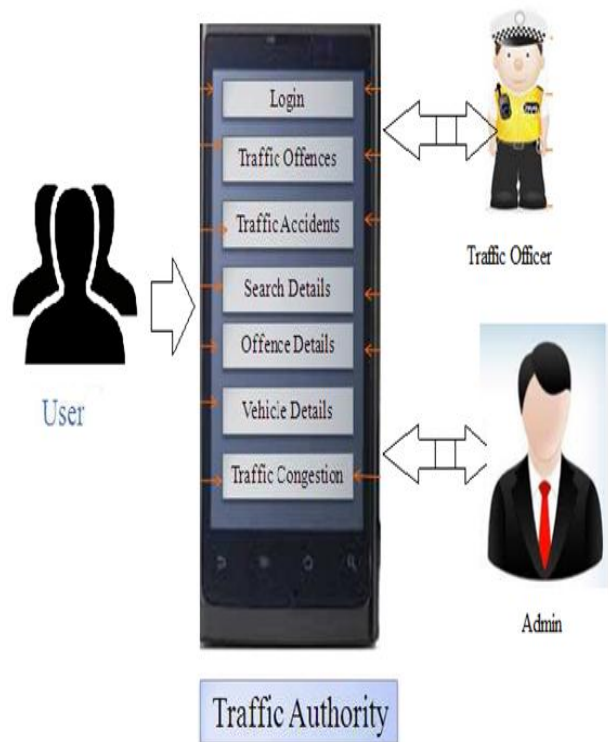


Fig. 3.1: Block diagram of smart traffic app using android phone

**IV. RESULTS**

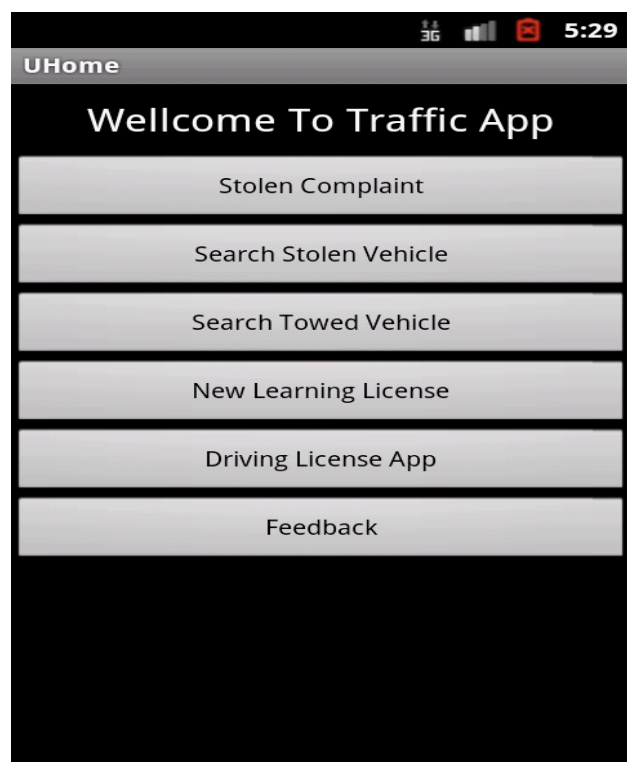
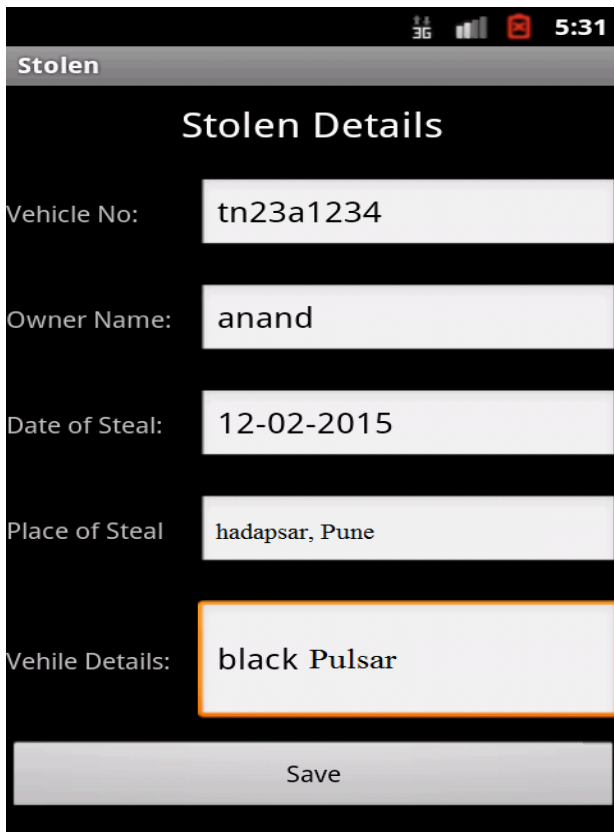


Figure 6.1 Home Page



Stolen

### Stolen Details

Vehicle No: tn23a1234

Owner Name: anand

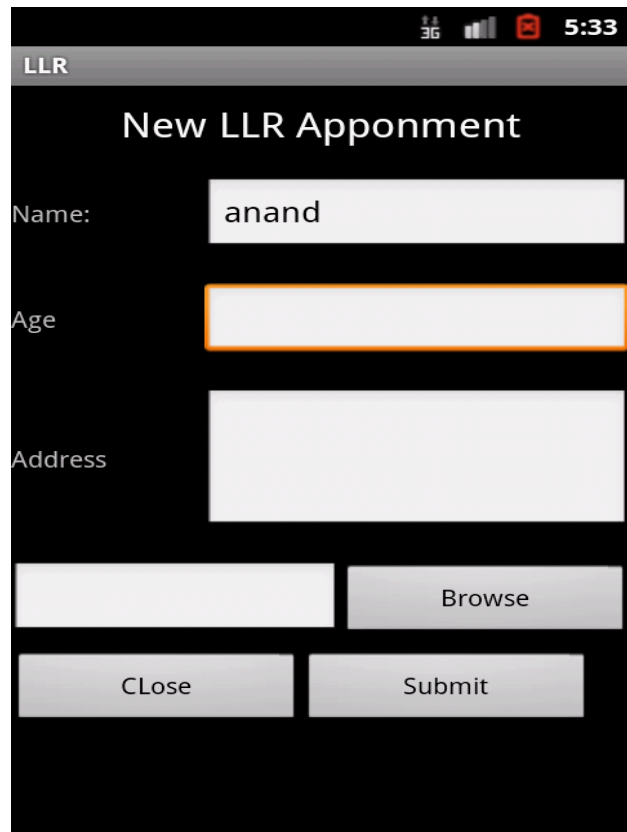
Date of Steal: 12-02-2015

Place of Steal: hadapsar, Pune

Vehicle Details: black Pulsar

Save

Figure 6.2 Passenger Complaint



LLR

### New LLR Apponment

Name: anand

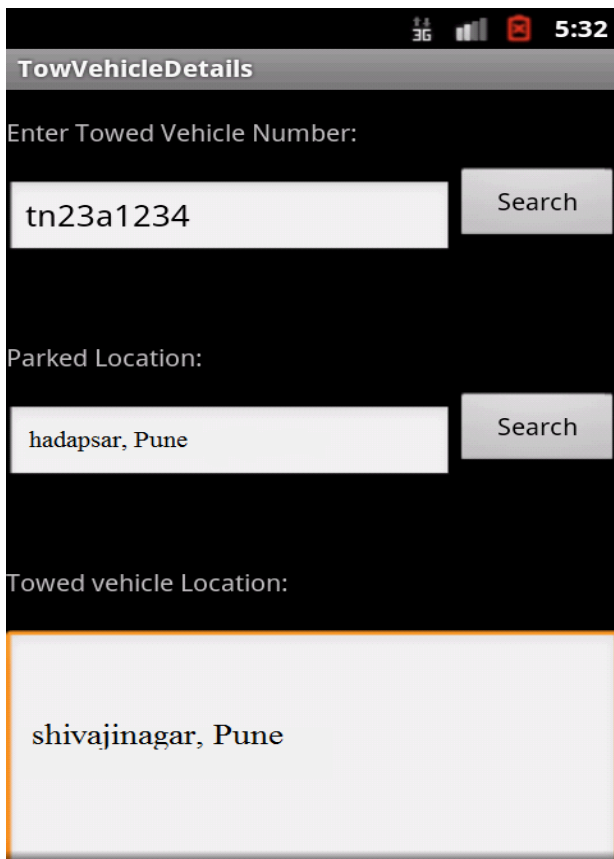
Age:

Address:

Browse

Close Submit

Figure 6.4 Application for Learning Licence



TowVehicleDetails

Enter Towed Vehicle Number:

tn23a1234 Search

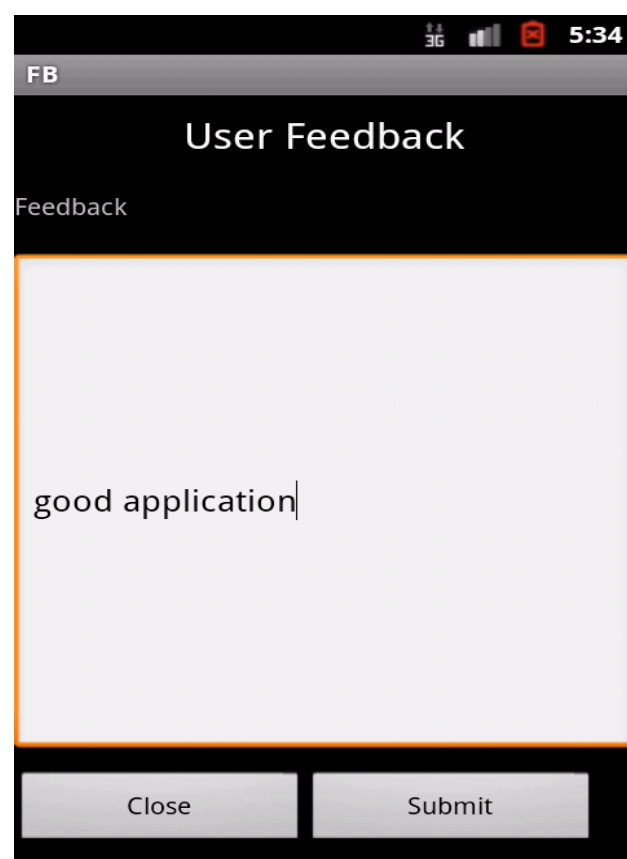
Parked Location:

hadapsar, Pune Search

Towed vehicle Location:

shivajinagar, Pune

Figure 6.3 Towed Vehicle



FB

### User Feedback

Feedback

good application|

Close Submit

Figure 6.5 User Feedback

## V. CONCLUSION

With the change of the state of the remote system, cell phones et cetera, the utilizations of the activity data have turned out to be more famous from pursuit of the mobile information to managing portable expert work. Through examining the framework engineering, the exploration understood the elements of the area and making so as to look ongoing activity data utilization of the Google Map information, and by utilizing the Google Weather API and the web climate XML, it understood the elements of the seeking continuous climate data and climate estimate. Also, it understood the elements of the information importing, seeking and altering through the SQLite database.

The activity police mobile office framework in view of Android can without much of a stretch understand the conveying between traffic police working data and the activity data, which offers a full transient and spatial office and enhances the productivity of the working of the traffic police. It likewise can get the constant traffic data, which meets the data prerequisite of the working and gives a data source to overseeing and facilitating the activity, enhancing the proficiency of the traffic administration and administration. At long last, it understands the correspondence between activity police and different sorts of police, which is critical for the security of the general public.

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