

FIR Registration and Tracking Through Android

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Abstract— Increasing criminals in society is major problem in today's scenario. This is our responsibility to reduce the crime happening in society. In general, the Indian police stations utilize paper based information storing system and government doesn't employ the computer for each employees. Now a day's maximum people use smart phone. To facilitate this complaining procedure, we are going to implement the android application for police as well as user. The complaint is registered via a mobile application.

Keywords— Android, APIs, Camer ,GPS

I. INTRODUCTION

In today's era it is very difficult to find a crime free society. Concerning about India, the department of police is the major organization of preventing crimes.

In general, the Indian police stations utilize paper based system to register complaint. These processes take long duration and people have to go police station. Peoples in society also responsible for the crimes happening around them. Now a days maximum peoples use android operating system phones in keeping with this we are develop the android application for police as well as for peoples to register their complaint.

If in case someone has not smart phones we develop web portal for them. By synchronizing police side and public side android application they get easy way to reduce the crime in society and this system definitely help them to make a crime free society. Also police broadcast the news if something happened wrong in the particular area and they want people's cooperation to handle the situation.

II. PROPOSED IMPLEMENTATION OF THE SYSTEM

The proposed system is based on windows system plus mobile computing. Fig. shows the mobile based system developed for police officers and citizens. The system is developed on two different system but they are interconnected with each other by using internet. Android system divided into following components in order to describe the system clearly:



Fig. 1 Proposed system for mobile computing

- I. Mobile Computing
- II. Android Operating System
 - i. Police Side System
 - ii. Public Side System

III. WORKING

Android System- Android system again divided into following components.

I. Public Side Application- „Public is user they use system android based application to register complaint online, to post suggestion, and see the news. The following Fig. 4. shows public side components and how they are interconnected within the system.

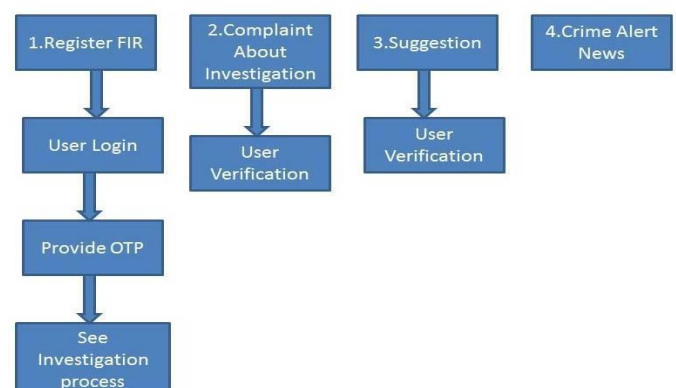


Fig. 2 Public Side Application Workflow

1. Register FIR- People can register complaint by using this option. First it verifies the user and provides the one time password (OTP) after getting OTP he/she unable to change the contents of FIR. By using OTP they see the investigation status related to registered complaint by them.

2. Complaint about Investigation- If user is not satisfied with its investigation process he was able to contact to high authority.

3. Suggestion- This option working is like suggestion box. If peoples are not satisfied with the police department work system they have right to suggest police.

4. Crime Alert News- This feature provides the up to date news updated by police officers for people. It contains news like traffic jam in particular area etc.

5. View Forum- Using this option user can see the nearest police station address and contact details.

6. Emergency Contacts- Using this option user can get directly communicate

II. Police Side Application- In this police officers uses system android based application. Police officers use this application to catch criminal, to identify the criminal, to maintain the crime data and criminal related information. The following Fig. shows police side components and how they are interconnected within the system.



Fig. 3 Police Side Application Workflow

1. Allocate Authority by Post- In department of police there are post allocated to officers. This post has different authority. System has different interface for different authorized post.

2. Login Identification- To identify the authorized post officers can enter into the application by using user name and password.

3. Check & Verify FIR- Its officers' first duty to check the FIR complaint registered by user.

4. Update Criminal Record by Administrator- Administrator will get update the all criminal record include its name, address etc.

5. Update Investigation Information and Alert news- This is crime news report service which helps people to get updated with what happened in society.

6. Broadcast Investigation Report- By this service, every officer get updated with investigation report and it may help police officers between solved and unsolved complaint.

7. Police to Police Chat Application- This service is more important to get in touch with each other when officers are on duty.

8. Crime Analysis- It is used to get the different kinds of crime rate happened in society. It analyzed the crime annually.

IV. APPLICATIONS

System has wide range of applications, in those some of the applications are as follows:

- To identify crime of criminal arise in particular area.
- To maintain all details of criminal related to its crime.
- Easily broadcast criminal record to each and every police.
- Locate criminal place via GPS.
- Citizens should easily submit complaint by using android phone.

V. ADVANTAGES

- CI2S reduces the paper based information storing system.
- CI2S helps police to reduce the investigation and identification time.
- CI2S helps to provide information to formulate strategies for crime prevention and reduction.
- With the help of CI2S police can easily detect the criminal pattern.
- CI2S easily maintain all details of criminal once it is save in the database.
- CI2S helps police to reduce the increasing crime rate.
- CI2S also helps to the citizens to registered online FIR quickly and see the current status of complaint.
- CI2S biometric system helps police to detect the pattern of criminal thumbs to identify criminal.

VI. CONCLUSIONS

In today's computer and mobile enabled era many techniques are available for crime prevention and criminal identification. This paper presents a different and new way to reduce the overall crime rate by developing extra android application for public and police it may help to reduce the identification time, investigation time, and human resource to catch the crime.

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