

## Online Fir Registration and Sos System

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### 1. Abstract

This paper is on the project 'Online FIR registration and SOS system'. The system Online FIR registration and SOS project is the first of its kind. It is designed to bridge the gap between the police and the common people. There are plenty of applications nowadays for shopping, travel and even for gaming purposes. However there is no application for the purpose of registering FIR or for helping the people while facing emergency situations. We intend to create a system where the users could register an FIR under various IPC sections and inform the police whenever in an emergency situation. We believe this will be a widely used system in the future and will help to bridge the gap between the police department and the people.

### 2. Introduction

The crime rate is increasing at an alarming rate and there are no existing technical systems in our country for the purpose of registering a case and managing the activities related to the FIR. We intend to create a project which will help bridge the gap between the police department and the common man. 'Online FIR Registration and SOS system' project will have an app from where the users can file FIR against the offender under the various sections. The main site will be maintained

by the admin (from the police) who will then notify the user if the FIR has been registered and the necessary action has been taken. There will be a robust authentication process so that only the genuine citizens can register a case. The user will have to send scanned copies of his aadhar card, ration card and other necessary documents. While registering a case if at all the user has photo evidence he can send it too through the app for making a strong case. The users will be notified if the police have filed the FIR. This project is cop friendly too. The end site will have a database of

the criminals which the police can access anytime. If the number of cases on any person or criminal goes up by more than 3 then his name will go automatically go in a 'wanted' list. There will be an 'SOS' capability wherein the user can press the button in the app and his location will be sent to the police. There will be a special module for hospitals, wherein preference will be given to accident victims. The FIR in such cases will be registered quickly so that the doctors can start the treatment as early as possible

### 3. NEED OF PROJECT

#### MOTIVATION

There is a gap between the common man and the police. People are very hesitant to go to the police and register the case. FIR registration has to be done manually even though it can be done online through an application. Slow registration of FIR in Accidents and assault cases is one of the biggest problems which we believe needs to be taken care of as it can save time leading to early treatment of the victims. The '100' dialing system is not time efficient. Also it may occur that the person does not know his/her exact location. The SOS system which will be created will be a better option than the '100' dialing system. We believe it will be a very efficient system. Even though there exists database for criminals in existing systems a more efficient database can be created.

#### THE EXISTING SYSTEM

There are no existing technical systems in our country for the purpose of registering a case and managing the activities related to the FIR. The victims have to go and personally register the case in the police stations. Slow registration of FIR in Accidents and assault cases is one of the biggest problems of the existing system. Often the victims are told by the hospital authorities that the treatment would not be started unless an FIR has been registered. The slow registration of FIR leads to loss of precious time often leading to the loss of blood which

### 4. LITERATURE SURVEY

As mentioned earlier, the 'Online FIR Registration and SOS system' is the first of its kind. There are no exact technical papers published on this topic. However there were few technical papers related to this topic which gave us some ideas.

1. E-Cops Project Report was published by Ramesh Gavva and Prasarla Shanthan on October 4, 2011

This technical paper was similar to an employee database. The only difference was that it contained all the information related to the police officers. There were various departments like traffic, narcotics and anti-trafficking and all the officers and their names and all the necessary details were there in the database.

2. Complete design document of database design for a criminal record management system was published by M.Rizwan

This report was again database related. It covered all the information related to a Criminal database which had details of all the criminals and the crimes they had committed.

3. E-Computerized Operations Of Police Services paper was published in [java-projects/e-cops-project.com](http://java-projects/e-cops-project.com)

This technical paper was about a project which was like an interactive system for the police and the people. The People could voice their concerns about the crimes or possibility of

crimes in their regions and the police could attend to all their concerns.

## 5. OBJECTIVES

The objective is to build an effective FIR registration system which will have various sections and a proper notification system once action has been taken. To have a robust authentication and registration system for users. Authentication would include scanning of valid documents so that there would not be any false cases registered by mischief mongers. The user-id and password would be given to the users only after checking the documents. To have an SOS system which will ensure round the clock safety to the users and offer security. To ensure early FIR registration of accident and assault victims so that that early treatment can be given to the victims ,thus helping in saving lives.To build a system which is compact as well as efficient. One of the objectives is to build a database which will be properly integrated with the server and will hold all the details of the criminals. To build an integrated system which is user friendly as well as cop friendly

## 6. METHODOLOGY

### TECHNOLOGIES USED

Various tools and technologies are used to implement the system:

**MYSQL:** MYSQL will be used to implement the database and store all the records.

**JSP:** JSP is used for implementing the server

**PHP:** Hypertext Pre Processor will be used to interface the front-end and the back-end at the site.

**Netbeans:** Netbeans will be used to interface the app and site.

**GPS:** Global positioning system will be used for the SOS module.

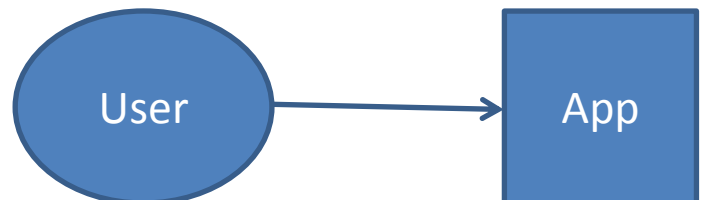
**Android Eclipse** – It is used for making the android apk. The user interfaces, user actions and functionalities are designed using it.

**Android SDK-** An Android software development kit (SDK) includes a comprehensive set of development tools. These include a debugger, libraries, documentation, sample code, and tutorials.

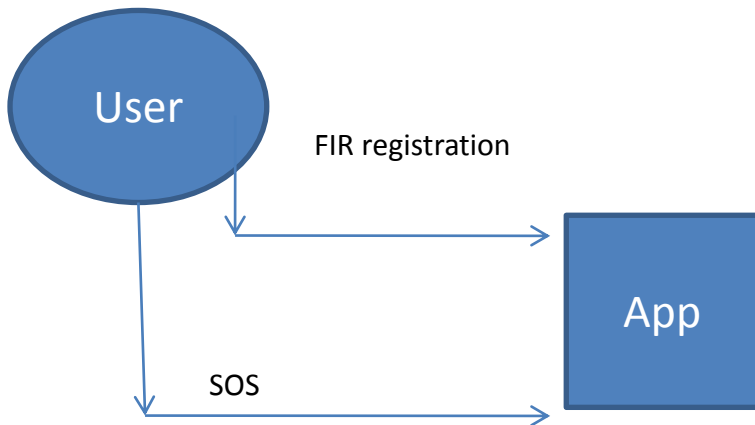
**JDK-** The JDK includes a private JVM and a few other resources to finish the recipe to a Java application.The JDK also comes with a complete Java Runtime Environment, usually called a private runtime, due to the fact that it is separated from the "regular" JRE and has extra contents. It consists of a Java Virtual Machine and all of the class libraries present in the production environment, as well as additional libraries only useful to developers.

## 7. DESIGNING/MODELING

### THE PROPOSED SYSTEM



### THE FLOW OF THE PROPOSED SYSTEM

**The FIR System will have the following steps :**

- Authentication of scanned copies of valid documents.
- Username and Password will be assigned after the authentication.
- The Site will manage the FIR under various sections.
- The Site will check the criminal database .
- The user can check the status of the complaint
- The User will be notified if the FIR has been registered
- or if the complaint has been taken.

- ▶ **SOS** – If the user presses the SOS button, the location will be sent to the nearest Police station.
- ▶ **Admin** – Admin can login to server by providing his credentials.

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**Dashboard Module:**

- ▶ **Check FIR** – After login admin can check FIR logs register from users, and will go for further action (Decide whether its normal complaint or FIR )
- ▶ **Emergency list** – Display the Emergency messages list .
- ▶ **Wanted List** – This list will be generated automatically when the number of complaints against a person goes up by three
- ▶ **FIR Actions** – This will show the action taken by police for a particular complaint.

**PROPOSED SYSTEM:**

- The victims can file the FIR through an app under various sections.
- The user can send photo evidence if any online.
- The police will have a criminal database through which they can access the records anytime.
- There will be an ‘SOS ’capability in which the user can press a button and his/her location will be sent to the nearest Police station.
- There will be a separate component for the accident victims so that FIR can be registered fast and treatment can be started as soon as possible.

**8.CONCLUSION**

► [tech.firstpost.com](http://tech.firstpost.com) > News & Analysis

<https://www.spillman.com/police/records/>

In this project, a completely integrated and compact system is developed that can be used by the common man as well as the police. Using this system would be like a win-win situation for both of them.

The SOS system is a very useful and an efficient security measure.

This project will prove to be widely used system in the future which could be used by the police department, the common man, security agencies and even hospitals (for accident and assault victims).

The greatest strength of this project is that it offers new features as well as retaining the original characteristics of the existing systems (for example: criminal database)

## APPENDIX-A- ACRONYMS AND ABBREVIATIONS

GPS- Global Positioning System

SDK Software Development Kit

PHP: Hypertext Preprocessor

JSP : JavaServer Pages

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## 9 . REFERENCES

- [1000projects.org/-e-cops-java-project-report](http://1000projects.org/-e-cops-java-project-report)
- <https://www.ibm.com/developerworks/api/ecops>.