



# Online Criminal Record Management System

Pratibha Mishra<sup>1</sup>, Ghousiya Bee. N<sup>2</sup>, Mohsina S<sup>3</sup>, Mubashshira Sultana<sup>4</sup>, Surbhi Singh<sup>5</sup>

Department of CSE

BITM, Ballari, India

## Abstract:

The purpose of Online Criminal Record Management System is to automate the existing manual system by the help of computerized equipments and full-fledged computer software, fulfilling the requirements of all policemen, so that their valuable data/information can be stored for a longer period with easy accessing of the same. The required software and hardware are easily available and easy to work with. This system also maintains computerized records of all the FIR filed against crime. The main aim of this project is to notify each and every policeman about the release of any criminal, including his/her details, such as, criminal's id, name, type of release and so on. Additionally, it also provides the details of any new rule that has been introduced or any event that is going to take place. It can be used as an application by the police department to manage the records of different activities related to First Information Report. In this system all these activities (like registration of the complaint, updating information) are managed that saves time. This application is for the police stations that provide facilities for reporting crimes, filing FIR and maintaining prisoner records. It provides better prospective for the enhancement of organization regarding quality and transparency.

**Key Words:** Crime, FIR (First Information Report), Notification, Police, Victim.

## I. INTRODUCTION

The Online Criminal Record Management System applies to police stations across the district and specifically looks into the subject crime detection, conviction of criminals depending on a highly responsive backbone of information management. The efficiency of the police and the effectiveness with which it tackles crime depend on what quality of information it can derive from its existing records and how fast it can have access to it. This system is made to keep the records about the prisoners and about the crimes. Police can login as a user and can add the details of prisoners like name, age, address, crime and punishment. They can also write the First Information Report and can save it. FIR's date, time, number and details can be seen any time if required by the registered user. This system gives unique id to every FIR as required and the prisoner number will also be unique. Additionally, it tells about any crime that is done through the id of complaint made to the police or if any FIR is done and if the criminal gets caught, the information can be updated about the case.

## II. LITERATURE SURVEY

I. In this paper [1] titled “**A Real-Time Records Management System for National Security Agencies**”, Oludeli Awodeli, Onulri Ernest.E focus on the implementation of criminal records management system. It is database system in which the police keep the record of criminals who have been arrested, to be arrested, or escaped. This will help the police department in enhanced management of information. The main entities in the whole process include: the petitioner (the person who files a First Incident Report (FIR)), victim, accused or criminal, case and investigating officer.

II. In this paper [2] titled “**Criminal Report Management System**”, Sourav Bhowmick developed a web based application

that provides managing the data and various information about the criminals and their crimes. Not only this but also it provides the information and current status about the police stations. It stores the GD, FIR, number of cases and each and every detail of the criminals. This system also provides a search facility to know if there is any criminal record about any person.

III. In this paper [3] titled “**Crime Reporting and Crime Updates**”, Mohammad Shahnawaz developed an application that applies to all Police stations across the country and specifically looks into the subject of Crime Record Management. It is well understood that Crime Prevention, Detection and Conviction of criminals depend on a highly responsive backbone of Information Management. The efficiency of the police function and the effectiveness with which it tackles crime depend on what quality of information it can derive from its existing records and how fast it can have access to it. Initially, the system will be implemented across Cities and Towns and later on, be interlinked so that a police detective can access information across all records in the state thus helping speedy and successful completion to cases. The project has been planned to be having the view of distributed architecture, with centralized storage of the database. The application for the storage of the data has been planned.

IV. In this paper [4] titled “**Crime Reporting Interface Design using Mobile Technology**”, Srinidhi Eragam Reddy, Ramya Sahithi Amathi and Priyanka Vakkalagadda designed a project that aims to develop a crime file to maintain computerized records of all the FIR against crime. The system is a desktop application that can be accessed throughout the police department. This system can be used as an application for the crime file of the police department to manage the records of different activities related to first information report.

V. In this paper [5] titled “**A Scalable Online Crime Reporting System**”, R. G. Jimoh, K. T. Ojulari, and O. A. Enikuomehin

designed a project that aims to assist the Nigerian Police in their bid to solve crimes with timely and useful information about criminals and/or their mode of operations so as to nip in the bud criminal activities in a given locality. Finally, a prototype crime reporting system was designed that relies on four reporting forms: a complaint or dispatch reporting form, a crime event report form, follow-up investigation report form, and an arrest report form. The system consists of three functional modules: a data capture module, a report management and control module, and a data utilization module. Future work on crime reporting system can be tailored towards accessibility (mobile version), awareness and improvement on the usage.

### III. PROBLEM STATEMENT

To design and develop an android application that sends notifications to all policemen when a criminal is released.

### IV. SCOPE OF THE PROJECT

The proposed system can be used in police stations over a city where notifications are sent to the police when the criminal is released from the jail.

### V. OVERVIEW OF THE EXISTING SYSTEM

The existing system that is being used by police department pertaining to the information of the prisoners, stores the name of the prisoners, information of the crime, date of FIR, background of the criminal and duration of the prison. However, once the period comes to an end, and the individual is released, it becomes difficult for the personnel serving the police forces to keep a track of the date and time of the release of the particular offender. Since the information of the release date of the offender is not present with each and every personnel, they are not notified on time, leading to chaos.

#### Limitations of the existing system:

1. Fast recording is not possible.
2. Time-management is an issue in the existing approach.
3. Consumes large volume of paper work.

### VII. OVERVIEW OF THE PROPOSED SYSTEM

The aim of the proposed system is to cut through the chaos and workload, by innovating the current system. The proposed system notifies each and every personnel with the application on his android phone, about the release of an offender, including the other details. It eliminates the existing issue where the department of police of different area of jurisdiction remains unaware of the release of the criminal and his/her extra details, by creating a notification every time there is a release of a criminal. This approach can thereby reduce the effort of the police and save their time, which could possibly be used in a productive manner.

#### Advantages of the proposed system:

1. It ensures information accuracy.

2. This is a time-efficient approach.
3. It minimizes manual information passages.
4. The possibility of getting the work done is quite certain.
5. It reduces redundancy.

### VIII. METHODOLOGY

#### There are four main modules in this project, they are

1. Registration module
2. FIR module
  - 2.1 Victim information
  - 2.2 Crime information
3. Criminal module
4. Notification module
  - 4.1 Admin
  - 4.2 Release

#### • Module 1: Registration Module

The policemen have to register using the sign up option. The registration form consists of police details such as police id, name, designation, date of birth, aadhar card number and to which police station they belong. Once they sign up they are authorized to use the application.

#### • Module 2: FIR Module

##### i. Victim Information:

This module contains the information of the victim such as victim's name, address, telephone number, father's name, FIR number and nationality.

##### ii. Crime Information:

This module contains the details about the crime. It contains the date and time, police station where it is recorded, name of the police who records the complaint, nature of crime, location of crime and the name of suspects (if any).

#### • Module 3: Criminal Module

This module contains the details of the criminal. It contains criminal number, criminal name, age, occupation, crime type, date of entering the jail and address.

#### • Module 4: Notification Module

### DESIGN

#### i. Admin:

This module contains the details of the police who is in-charge of releasing the criminal and sending the notification of the same to all the other police.

#### ii. Release:

This module contains the details of the criminal who is released.

#### iii. Rule:

This module contains the details about the new rules which are made.

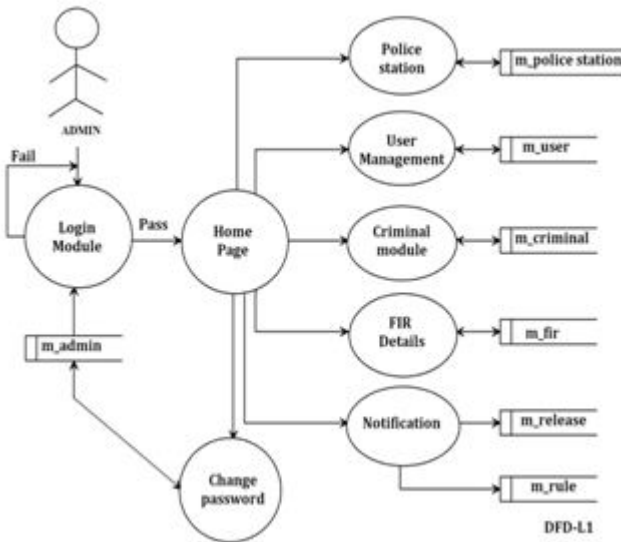


Figure.1. Data Flow Diagram for the Admin

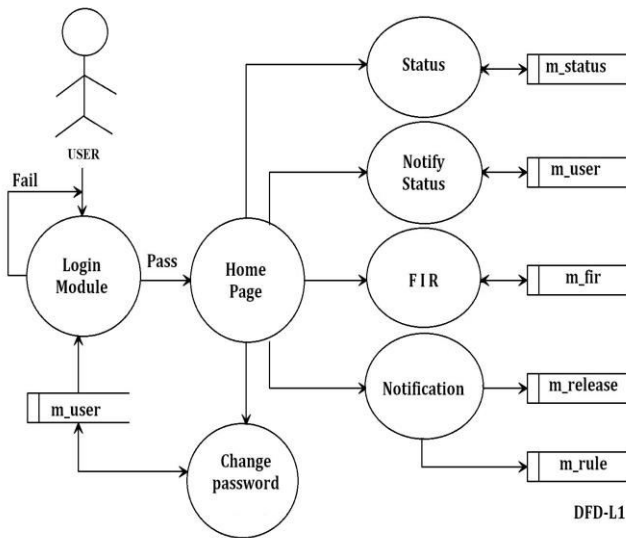


Figure.2. Data Flow Diagram for the User

## VIII. CONCLUSION

In the modern world, the use of computers and mobile phones is becoming rampant. As a result, the crime recording system needs to embrace the new technologies. This application will present a simple, convenient, cost-effective and efficient online crime recording system with a sensitive and intelligible web interface, thereby it reduces the amount of manual data entry. It is software which helps the policemen to work with the crimes and criminals easily. Additionally, it notifies the registered policemen about the release of criminals. This crime management system is a solution to all the problems related to the crime reports, criminal details and their crimes.

## IX. REFERENCES

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