POLICE FIR CRIME MANAGEMENT APPLICATION

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ABSTRACT

The Crime Record Management System is web based application which helps all Police stations across the country and specifically looks into thesubject of Crime Records Management. It is well known that Crime Prevention, Detection and Conviction of criminals rely 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.

It is proposed to centralize Information Management in Crime for the purposes of fast and efficient sharing of important information across all Police Stations. Initially, the system will be implemented across Cities and Towns and later on, be interlinked so that a Police Staff can access information across all records in the state thus helping fast and successfully close the cases. The System would also be used to generate information for pro-active and preventive measures for fighting crime.

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. The standards of security and data protective mechanism have been given a big choice for proper usage. The application takes care of different modules and their associated reports, which are produced as per the applicable strategies and standards that are put forwarded by the administrative staff.

I.   INTRODUCTION

The Crime Record Management System has been designed to override the problem of existing manual system. This web application is supported to eliminate and in some case reduce the hardship faced by manual system. The application is reduced as much as possible to avoid errors while entering the data. Its also provide message while entering invalid data. No formal knowledge is required for the user to operate this system. Overall we said that Crime Record Management System is user friendly.

In Crime Record Management System we use PHP and MySQL Database. This project keeps the records of FIR, Criminals and detail of victims. Crime Record Management System has following modules

1) Admin
2) Police Staff
3) User(Who filed the FIR online)

Problem Definition:

In the existing crime management system, most of the operations are done manually like send complaints, taking actions against crimes, view status etc. So with the existing system if anybody wants to complaint against crimes he must do it through the police. If we are doing thesystem manually, so many minor errors will occur. Error detection in the previous entries made and data cross verification is another important function. This seriously affects the authentication of the system. These are done manually, and it would take time.

Objective:

In the fast moving world, if people lack something, it is time. All are busy in their world. So the main objective of our project is better communication, better leadership,

reducing crime and disorder etc. The project provides a
framework within which a user can easily work with. We know users are of many categories, like users from who know working with computers very well to users who didn't know about computers. So all the category can use the software. So it should be user friendly. The product provides a framework, which is error free. We know a crime management system is actually a critical process having many calculations and operations. So each simple error laid to big problem. So it should be error free and our objective is to build error free software. With the help of this software, all the services and users can be properly channelized.

Need of the System:
There is always a need of a system that will automate the crime records management. This system will reduce the manual operation required to maintain all the records of criminals, police, fir and their status. And also generates the various reports for analysis.

Thus, there is a big need of an online crime records management system, which provides all the above- mentioned facilities and many more.

II.   LITERATURE SURVEY

Online FIR Management System Prof. Swati Bhavsar, Shreya S. Deshpande, Poonam S. Lad, Nikita K. Aher, Pratiksha S. Khalkar

India is a developing country now days. So there are many new technologies are introduced in our lives for our luxurious life. The technologies are used in educational sector, Banking sector, Business sector, etc. Our country having more population as compare to other countries. So that public security is most important part of security system of our country. Indian police system is made for public security by the Indian government. If we used our technologies in Indian police system then this is very useful for society. FIR is a First

Investigation Report. If we are in any trouble then we can lodge a complaint. FIR is first step, after FIR police can
start the investigation. In previous days this system was offline. Person has to go to police station to lodge a complaint against someone else. There is a problem if there is no police station in nearby area. So this is very time consuming process. To solve this problem we developed online system for registering the complaint of user or victim. FIR can be register by the victim or by any relatives of the victim.

Online Fir Registration and Sos System

This paper is on the project 'Online FIR registration and SOS system'. The system OnlineFIR 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.

III.   SYSTEM   ANALYSIS ANDDESIGN

Purpose:

The aim of the project is to bring about improvement to the organization's contributions; this report necessarily concentrates on overcoming weakness and raising standards. To avoid conducting and unfair evaluation efforts which are made to put this contribution into this context. It believes that partnership work is highly beneficial to the organization and that partnership work is the

way forward to reduce crime and disorder. The proposed Crime Record Management System is to have everything completely automated and computerized. The software is very easy to use and manage even for a non technical person.

Project Scope:

The project has a wide scope, as it is not intended to a particular organization. This project is going to develop generic software, which can be applied by any businesses organization. More over it provides facility to its users. Also the software is going to provide a huge amount of summary data.

Proposed System:

The development of the new system contains the following activities, which try to automate the entire process keeping in view of the database integration approach.

1. User friendliness is provided in the application with various controls.
2. The system makes the overall project management much easier and flexible.
3. There is no risk of data mismanagement at any level while the project development is under process.
4. It provides high level of security with different level of authentication.

Advantages of "Crime Record Management System":

"Crime Record Management System" provides various features, which complement the information system and increase the productivity of the system. These features make the system easily usable and convenient. Some of the important features included are listed as follows:

- Intelligent User Forms Design

- Data access and manipulation through same forms
- Access to most required information
- Data Security
- Restrictive data access, as per login assigned only.
- Organized and structured storage of facts.
- Strategic Planning made easy.
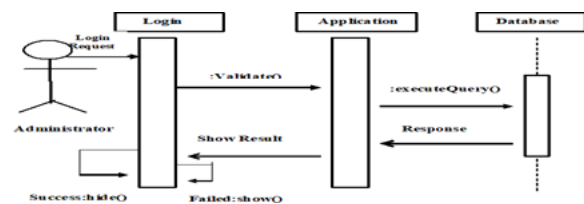- No decay of old Records.
- Exact financial position of the

business. **Limitations of "Crime Record ManagementSystem":**

Besides the above achievements and the successful completion of the project, we still feel the project has some limitations, listed as below:

- It is not a large scale system.
- Only limited information provided by this system.
- Since it is an online project, user needs internet connection to use the software.

People who are not familiar with computers can't use this software.

SYSTEM ARCHITECTURE

IV.   IMPLEMENTATION

System Overview:
Admin Module
1. Dashboard: In this section, admin can briefly view the total number of criminals, total police and total category of crime.
2. Police Station: In this section, admin can manage police stations(add/update/delete).
3. Police: In this section, admin can manage

police staff (add/update/delete).

4. Crime Category: In this section, admin can manage crime category (add/update/delete).

5. View Criminals: In this section, admin can view the detail of criminals which is added by police staff.

6. View FIR: In this section, admin can view thedetails of filled FIR by user and action which is taken by police staff.

7. Report: In this section, admin can view the number of criminals and how many FIR are registered in a particular periods.

8. Search: In this section, admin can search criminals and FIR details with the help of Criminal ID and FIR number respectively.

Admin can also update his profile, change thepassword and recover the password.

Police Module

1.   Dashboard: In this section, police can briefly view the total number of new FIR, total approved FIR, Total Cancelled FIR, Total FIR Send for charge sheet, total completed charge sheet and total criminals.

2.   Criminals: In this section, police can managecriminals (add/update/delete).

3.   FIR: In this section, police received the FIR request which is sent by user and also have right to update the status of FIR according to current status.

4.   Charge sheet: In this section, police generate the charge sheet of received FIR's.

5.   Report: In this section, police can view the number of criminals and how many FIR are registered in a particular periods.

6. Search: In this section, police can search criminals and FIR details with the help of Criminal ID and FIR number respectively. Police can also update his profile, change the password and recover the password.

User Module

1. Dashboard: It is a welcome page for users.

2. FIR Form: In this section, user can file the FIR.

3. FIR History: In this section, user can view the status of file FIR which is response by police station.

4. Charge Sheet: In this section, user can view the charge sheet of file FIR.

5. Search FIR: In this section, user can search the FIR with the help of FIR number

CONCLUSION

It has been a great pleasure for me to work on this exciting and challenging project. This project proved good for me as it provided practical knowledge of not only programming in Python and Sqlite web based application. It also provides knowledge about the latest technology used in developing web enabled application and client server technology that will be great demand in future. This will provide better opportunities and guidance in future in developing projects independently.

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