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Online FIR System

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***Abstract*---- The huge success of internet and information technology have a remarkable effect on both public and private sectors within a country. The internet services and applications have drastically increased. But The Indian Police Department has ever since remained manually driven for most of its routine chores. The officials have been adopting the basic fundamental methods of carrying out the procedure with the traditional "pen and paper" method being highly prevalent. These traditional practices were comfortable in earlier days, when population was far less, and the crime rates were also comparably minimal.**

But in today's India, when the evil elements of the society are in a boom and so many cases being registered every day, it is more convenient to use internet applications to give an online complaint regarding any suspicious activity rather than visiting a police station. This method is reasonably secure since it is possible to hide the identity of the person who reported the complaint about the crime. Many cases are not registered in police stations since the person complained wants to hide the identity due to the possible risk or danger.

An online application can bridge this communication gap be- tween police and the individuals to send reports or other required information. This paper proposes an application that can be used by the individuals to report and manage their complaints effectively. Further the system can be used by the people to register the complaints and is helpful to the police department in identifying the criminals, and tracking the complaints. The main purpose of the application is to improve the effectiveness and efficiency of interaction procedures between the police officials and common people.

***Keywords*— FIR Tracking, Complaints, Crimes, Investigations, etc.**

I. INTRODUCTION

This system has been proposed keeping in mind the dif- ficulties that people face during registering complaints at any police station. First of all, the entire manual process is time consuming as the complainant has to physically go to the police station numerous times. The same also consumes a whole lot of money and energy. Other disadvantageous factors include, Fear of getting harmed from people against whom FIR is filed, Lodging FIR against highly reputed person is sometimes difficult task. By allowing citizens to lodge their complaints directly, Previously, this has been a paper-based process, and paper records were easily manipulated or lost.

This application provides an online reporting and man- agement system that guarantees effective and easy solutions to crimes within a short duration of time by connecting all people, police officials and others who would want to directly or indirectly participate in solving the cases. The procedure begins by filing the complaint by the victim in a public module, this case is stored in a database. case gets investigated in the incharge module under inspector and status of case is updated for the user. All the ongoing cases are seen in the headquarters module and can be updated by higher authority of police.

II. TECHNOLOGY USED

A. Sublime Text

Sublime Text is a shareware cross-platform source code editor with a Python application programming interface (API). It natively supports many programming languages and markup languages, and functions can be added by users with plugins, typically community-built and maintained under free-software licenses.

Extensive customizability via JSON settings files, including project-specific and platform-specific settings. Cross-platform (Windows, macOS, and Linux) and Supportive Plugins for cross-platform.

B. XAMPP Server

XAMPP server is Windows web development environ- ment.It includes Windows, MySQL and PHP(XAMPP). It allows one to create web applications using Apache2, PHP for creating the dynamic web pages and MySQL for creating the database. These technologies work together in a convenient way and provide the server facility. The web server XAMPP handles requests by the browser and sends information across the internet to the browser. PHP is a programming language that has been used for building sites.It creates dynamic content which is sent to the XAMPP server. MySql is the database which saves data for the programs. PHP is used to access this database.

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XAMPP uses a MySQL administrative tool called PhpMyAdmin that allows users to manage the database using a web browser.

III. PURPOSE AND SCOPE

A. Purpose

The main purpose of developing the online crime reporting system is for the welfare and safety of the public. So in this system we will reconstruct the bridge between the two - public and government officials respectively.

B. Scope

This website has a user-friendly GUI. It is simply accessible to anyone and is easy and can be used freely without complexion. This website will provide the user with a profile under which he/she can add a complaint. Anyone can file a complaint or misconduct, from the place of the accident.

IV. MODULES

In this system there are three different interfaces, one is for the public which is the public portal in which registration can be done by the public sector and then comes the second portal which is the admin portal which is controlled by a government organization.

- So if any user has to file a misconduct report then this is the best system where he/she can file it online through the public portal, where they will first do the registration and then file the report.
- The records are kept stored for the further welfare.
- In the public portal they only provide a username so that whenever they login again they do not have to do this again and again and their profile is created after the registration and it is stored.
- Now, comes the admins portal controlled by the government organization who look after all the reports which have been submitted by the user and they update the user.
- Both the government organization and the user can add any incident or accident or any offensive attempt which is violating the law.
- And finally there is a news portal, where the news about surroundings is updated by police which will help people to know what is happening in the surrounding.

V. SYSTEM ARCHITECTURE

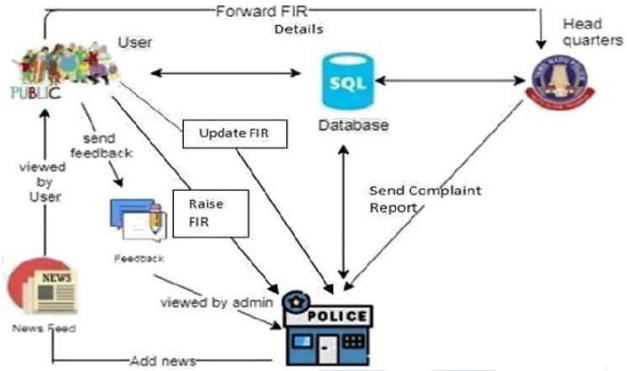

Fig. 1. System Architecture

The system allows the common public to register an FIR with the police by using the Online FIR System Web Based application. The complainant is supposed to create an account to access the application. On creation of an account on a website, the aadhar number of the user is registered by the website and saved into the database. Once the complaint has been registered the police officials are able to see those on their side of the application. Police officers too are required to have a unique account. The cases are assigned to the officers. They can make updates and provide details of the progress on a particular case. These details and status of the case are available for the complainant which he could check by logging into his account. Finally there is a news model which will help people to know their surrounding news.

VI. NEEDS

A. Functional Needs

- Crime report forms, superviser for process, proof attachments.
- Server should work in high traffic.
- Easy user interface.
- The registration is totally secure and confidential.

B. Non-Functional Needs

- 24/7 functional.
- It is designed to provide high performance at the time of traffic.
- This type of designs are not only useful for the present time but also they can be extended or updated as per requirement for future.

VII. ADVANTAGES

- Anyone can file a complaint from being at home.
- Every account is connected with Aadhar Number

- We can upload a soft copy of evidence (for eg ., image , video committing a crime)
- Saves time and manpower.
- we can take back complaints easily.

VIII. CONCLUSION

The Online FIR System will be a web application system which is very helpful for all the common people, government organization and different societies.This will be based on a very simple and non-complex approach.
This will be created for all sections of people and societies. Anything which is against the law or anyone who is violating the law will now have some fear as now filing an FIR is much easier than it was before.

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