



CRIME REPORTING AND TRACKING SYSTEM USING ONLINE PLATFORM

¹Ms. V.Sudharsana, ²Mrs.A. Padma Priya, ³Mrs. T. Rani Mangammal

¹Assistant Professor, ² Assistant Professor, ³ Assistant Professor

¹Department of Computer Science and Engineering,

¹SSM Institute of Engineering and Technology, Dindigul, India.

Abstract: The "Crime Reporting and Tracking System" is a comprehensive platform designed to facilitate efficient communication between citizens and law enforcement agencies. With users able to report incidents and track the status of their complaints, the system ensures transparency and accountability in addressing community concerns. Additionally, users can provide valuable feedback to enhance system effectiveness. Meanwhile, administrators have access to a dedicated dashboard for managing reported complaints, enabling timely resolution and response. By leveraging technology to streamline crime reporting processes and foster collaboration between citizens and authorities, the system aims to contribute to safer and more secure communities.

Index Terms – resolution, tracking, crime report.

I. INTRODUCTION

In an era marked by rapid technological advancements and an increasingly interconnected world, the need for effective crime management and public safety measures has become more pressing than ever. The "Online Crime Reporting System" project aims to address this need by providing a comprehensive online platform for reporting and managing crime-related incidents. The project seeks to leverage the power of technology to streamline the process of reporting crimes, thereby enhancing public safety and facilitating swift action by law enforcement agencies. By harnessing the potential of web-based platforms and data-driven approaches, the Crime Awareness and Report Portal aims to empower citizens to play an active role in crime prevention and detection.

Through this initiative, users will be able to report crimes in a user-friendly and fast manner, ranging from minor thefts to more serious offences. In addition, the portal will offer helpful tools and data to assist users in staying updated about local support services, safety advice and track trends. In conclusion, the Crime Awareness and Report Portal project is a major advancement in the use of technology to improve public safety and fight crime. The project intends to empower law enforcement and citizens by offering a centralized platform for reporting and managing crime situations.

II. LITERATURE SURVEY

Savitha [1] describes about the Online crime reporting system came up with the solution to replace the old manual complaint registration system. The victims can file the case and submit the evidence under the various sections on a single website. This project provides features like anonymous tip, alert systems, case status, crime notice board, cybercrime complaint registration, GPS tracking system, police contact details with the station address, and provide the safe storage for storing evidence and files and maintain a backup of every single data which helps the police to investigate the case and provide justice to victims in a meantime.

Sumanpreet Kaur [2] describes about the public can report a wrongdoing without any fear, and they can effortlessly contact the office where they can unravel the issue in a viable way. This computer programme is safe because it can easily catch offenders by checking their past records from second-rate information and defensive for the client as well as for office and admin since there will be no spillage of any liberal of data. The online wrongdoing detailing foundation is an implementation that covers total case administration structure and this venture will offer assistance in overseeing all exercises of the police station it can utilized to report violations and oversee all the exercises in a police station utilizing computers.

Nethrasri [3] describes about Online FIR System is the Computerization of present manual system of Police Stations. There are many flaws and shortcomings in the present system. The present system is a manual system. In case of present manual system all the record is kept in documented form and stored in various types of registers. The manual system has no proper system for record storage and storing the information about crimes and criminals. The present system of police is not automated. The documentation of criminal records is done manually. Case files are dumped in heaps while some are kept on shelves. These important documents quickly get dusty and because of lack of proper storage, some criminal documents are seriously damaged. With this kind of situation, it becomes highly difficult. As computer is one of the leading technologies nowadays, so we propose a computer-based system that will fulfill the requirements of the police stations easily and will be the solution to the problems faced by Police stations. It will facilitate both the user as well as administrative staff of the Police Stations. Computerized system provides.

III. EXISTING SYSTEM:

A "Citizen Feedback System" that has been put in place in certain government departments is comparable to the current "Online Crime Reporting System," where individuals can submit complaints but cannot monitor their status and high-level officers cannot access the complaints. Under this method, residents can use a hotline or online portal to send complaints or criticism, but they are not able to see the progress of their submissions. The complaints are handled internally by designated officers alone, who uphold confidentiality and guarantee proper treatment without sharing private information with the public or senior law enforcement officials. Comparably, the unavailability of high-ranking police to view the complaints restricts their capacity to monitor and examine patterns in reported crimes, which may impede efficient resource allocation and decision-making. The constraints of the "Citizen Feedback System," where the lack of information about the status of complaints limits citizen participation and impedes systemic accountability. Therefore, in order to solve these issues and raise the general efficacy of crime reporting and management, it is imperative that the current system be made more functional.

- Enhancing Transparency and Accountability in Complaint Resolution
- Complaint Tracking
- Mitigating Risks through Controlled Access and Oversight
- Lack of Accountability

IV. PROPOSED SYSTEM

With the help of the user-friendly interface of the planned Crime Reporting System, residents would be able to easily file complaints and provide comprehensive details about the occurrence, such as the location, date, and kind of crime. By using cutting-edge technology, the system prioritises complaints according to their severity, guaranteeing that urgent situations are given top priority and are handled by law enforcement officials right away. To aid in comprehensive investigations, residents can also add supporting documentation, such as images or videos. In addition, a strong complaint tracking system built into the proposed system enables citizens to follow the progress of their complaints from the time of filing until the point of resolution. Users may examine updates, interact with investigating officers, and get information about any developments in their cases through personalized dashboards.

A more trusting relationship between the public and law enforcement is facilitated by this degree of openness, which eventually makes the community safer and more secure. In addition, a strong complaint tracking system built into the proposed system enables citizens to follow the progress of their complaints from the time of filing until the point of resolution. Users may examine updates, interact with investigating officers, and get information about any developments in their cases through personalised dashboards. A more trusting relationship between the public and law enforcement is facilitated by this degree of openness, which eventually makes the community safer and more secure.

4.1. ADVANTAGES OF PROPOSED SYSTEM

The system is very simple in design and to implement. The system requires very low system resources and the system will work in almost all configurations. It has got following features

- Real-time Complaint Tracking
- Accountability in Action
- Empowering Citizen Engagement
- Data-Driven Insights
- Informed Decision Making

V. SYSTEM ARCHITECTURE

5.1. ADMIN

- Login
- View complaint
- Accept or Reject

5.1.2. USER

- User Registration
- User Login
- Report Complaints
- View Issues
- View status

5.1.3. MODULE DESCRIPTION

The system comprises 2 major modules with their sub-modules as follows:

5.1.3.1. ADMIN:

- Login: Admin can log in to his account user id and password
- View Complaints: Admin can view the complaints.
- Accept or Reject: Admin can accept or reject the case, until the case is accepted or reject the case will be in pending.

5.1.3.2. USER:

- User Registration: The user has to register to file complaints, crimes, or missing reports.
- User Login: The user can log in to the system to file and check the status of his complaints or missing reports.
- Report Complaints: Complaints consist of basic details the system asks and the user has to fill in to register a complaint and check the status of his complaints.
- View Issues: User can view their registered complaint.
- View status: User can view their status of the complaint whether it is accepted or rejected.

5.1.3.3. USER CASE DIAGRAM:



VI. RESULTS AND DISCUSSION

To sum up, the "Online Crime Reporting System" is a big step towards streamlining and increasing the effectiveness of the processes involved in reporting crimes and resolving them. The technology removes conventional obstacles to reporting by enabling users to report occurrences simply and securely through its user-friendly interface and transparent communication channels. Through the integration of feedback systems and real-time complaint monitoring, the system fosters accountability and confidence between law enforcement authorities and the public. Furthermore, the technology facilitates data-driven decision-making and streamlines complaint handling procedures, improving the internal operations of law enforcement agencies. All things considered, the deployment of this technology has the potential to improve community safety and the relationship between the public and law enforcement.

References

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