Gurukul International Multidisciplinary Research Journal (GIMRJ)*with* International Impact Factor 8.249
Peer Reviewed Journal
https://doi.org/10.69758/GIMRJ2406I8V12P102

e-ISSN No. 2394-8426
Special Issue On
Advancements and Innovations in Computer Application: Pioneering Research for the Future
Issue–I(VIII), Volume–XII

ONLINE CRIME REPORTING SYSTEM

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Received on: *11 May ,2024* ***Revised on:*** *18 June ,2024* ***Published on:*** *29 June ,2024*

Abstract : : The online crime reporting system presented in this paper is intended to make it easier for law enforcement agencies to receive secure and timely reports of criminal activity. The system's goal is to give citizens an easy-to-use interface through which they can file reports, follow the development of their cases, and, if they so choose, remain anonymous. The Online Crime Reporting Management System is an software that covers whole case control machine and this venture will assist in handling all sports of the police station. It can used to document crimes and control all of the sports in a police station the use of computer systems via way of means of monitoring all of the information of complaints, maximum desired crook, police station, etc. Currently, maximum responsibilities are achieved manually, however via way of means of computerizing all of the sports interior a police station the operating structures may be controlled effortlessly and effectively.

Keywords: manage case, Reduce Crimes, proper Investigations, etc.

I. INTRODUCTION

Crime is also a section of outlaw activities in human period expectation. It's pretty noticeable that the speed of crimes is growing day by day altogether, although we have a tendency to incline to try to living that there's masses which can be done by the governments and thus the folks to chop back the crimes in societies. There are various existing crime reportage systems that appearances several issues, as there's no suggests that to report crime instantly other than phone calls, messaging or face-to-face compliant filling.

Online Crime Reporting System is developed on HTML, PHP and SQL database. This project's primary goal is to make all crime management options freely accessible to everyone. This approach begins with every person who wishes to submit a complaint online, making it much easier for the police department and social workers to understand the issues in society without requiring people to frequently visit the police station.

The system has been developed to override the problems prevailing in the manual system. The project is supported to eliminate and reduce the hardships faced by the existing system.

II. LITERATURE SURVEY

Online Crime Reporting System is an emerging technology that is gaining popularity worldwide due to its potential to revolutionize the traditional methods of reporting crimes to law enforcement agencies. Numerous research have been carried out to assess the efficacy of online crime reporting systems in improving crime reporting, management, and prevention.

Data mining is used for analyzing and deriving analytical results and it presents an intelligent crime analysis system which is designed to overcome the problems and it is a web-based system which comprises of various techniques and this proposed system consists of rich and simplified environment that can be used effectively for processes of crime analysis. s. Eachcommunity is a group of states or union territories which are similar based on crime trends.

III. RESEARCH METHODOLOGY

We will do the analysis with the help of two modules. User module is the part which we have to analyse. It is not compulsory that the user or person have the proper knowledge about the computer, so the main focus of our is designing and the software is user friendly. Secondary focus is that we have to provide security to the user or admin. We also have to provide privacy to the members. And then we will focused on the appearance of the application, the application must be attractive to the user and more people can use the appointment. Lastly, we will give the proper information to the administration and how this application will

work. User must complete the validation and verification process completely only then the registration form completes.

Functional Requirements:

The functional requirements highlight the specific functions the system should be able to carry out. These include:

i. Add users (police officers and background screening companies) and assign them their different level of privileges.
ii. Validate user login details and ensure user-level privileges to information.
iii. Store and retrieve information about crime and criminals.
iv. Perform search functions based on some specified criteria.
v. Perform crime analysis and statistics as well as to generate adequate reports. vi. Generate criminal's report.

IV. PROJECT PLANNING AND SCHEDULLING

The project will follow a structured development process with weekly progress milestones:

- Week 1: Requirement gathering and analysis
- Week 2: Designing user interface and database schema
- Week 3: Implementing core functionalities (user registration, complaint filing)
- Week 4: Testing and debugging initial prototype
- Week 5: Enhancing system features based on user feedback
- Week 6: Final testing and bug fixing

V. DATA FLOW DIAGRAM

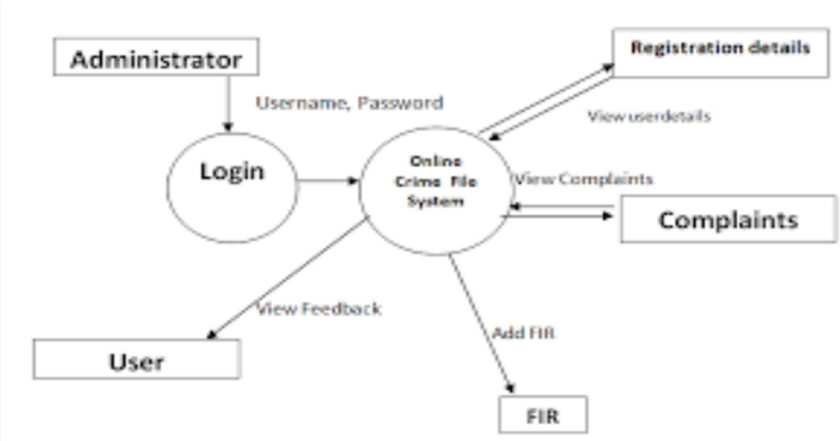


Fig 1.1 DFD of Administrator's Module

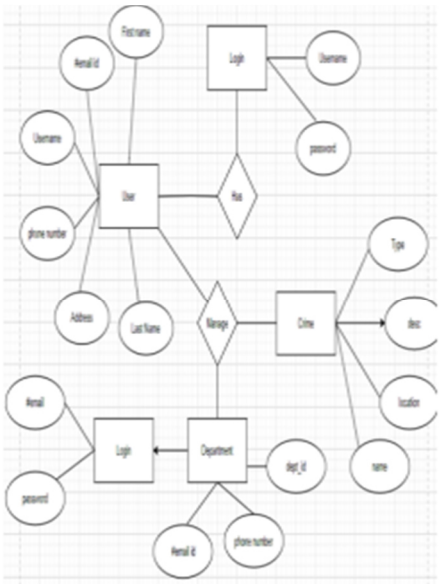


Fig.1.2 An Entity- Relationship diagram (E R diagram).

Fig 1.3 Use-Case Diagram

VI. RESULT AND DISCUSSION

User Engagement: Initial user engagement metrics indicate a positive response to the Crime Reporting System, with a steady increase in the number of incident reports submitted and user interactions observed since the system's launch.

Incident Response Times: Analysis of incident response times shows promising results, with a significant reduction in the average time taken to process and resolve reported incidents compared to traditional reporting methods.

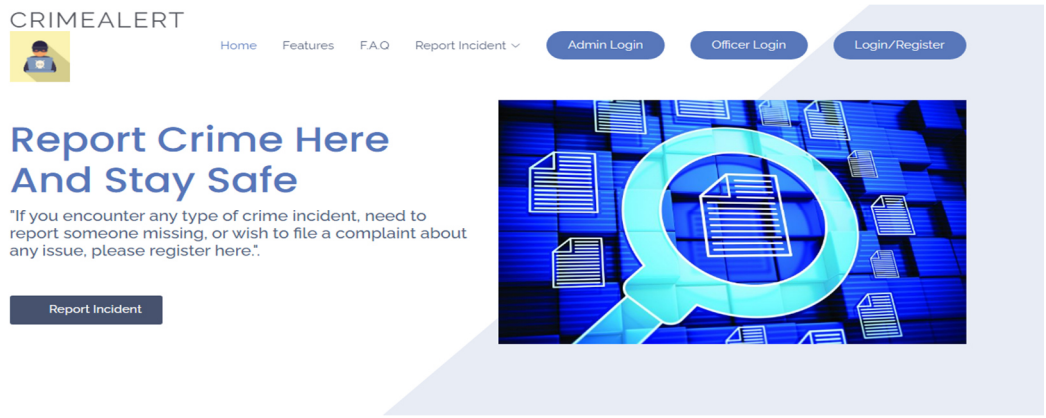
User Satisfaction: Feedback from users suggests a high level of satisfaction with the system's ease of use, accessibility, and responsiveness. Users appreciate the convenience of reporting incidents online and receiving timely updates on their reported cases.

System Performance: Preliminary performance tests indicate satisfactory system performance under typical usage scenarios, with minimal downtime and acceptable response times for user interactions such as incident reporting and status tracking.

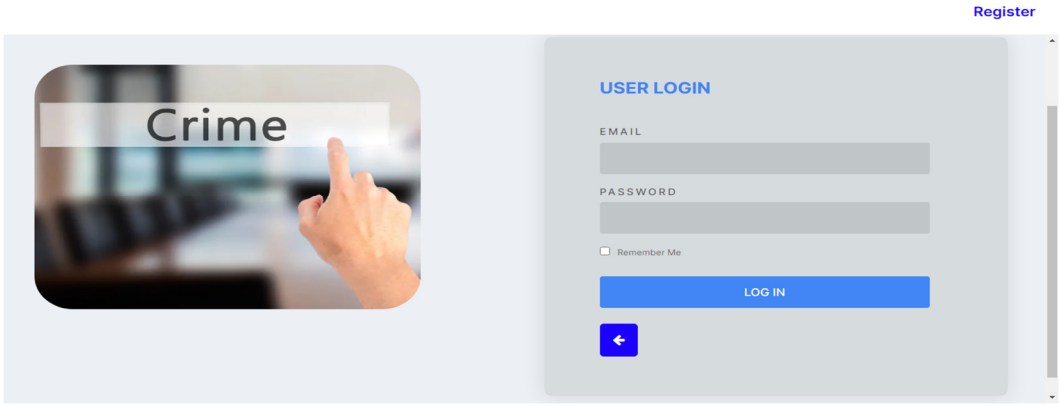
Discussion on Implications of the Results:

1. **Enhanced Public Safety**: The positive user engagement and quick incident response times signify the potential of the Crime Reporting System to enhance public safety by facilitating timely reporting and resolution of incidents. This can lead to a more proactive approach to crime prevention and law enforcement.
2. **Improved Community Trust**: The high level of user satisfaction reflects positively on the credibility and reliability of the system. Building and maintaining trust among users are essential for ensuring continued participation and adoption of the system within the community.
3. **Efficiency Gains**: The reduction in incident response times indicates improved operational efficiency within law enforcement agencies and other relevant organizations. By streamlining reporting processes and enabling real-time communication, the system can optimize resource allocation and minimize delays in incident resolution.
4. **Data-Driven Insights**: The Crime Reporting System generates valuable data insights that can inform strategic decision-making and resource planning. Analysis of reported incidents, trends, and patterns can help identify high-risk areas, allocate resources effectively, and implement targeted interventions to address community safety concerns.

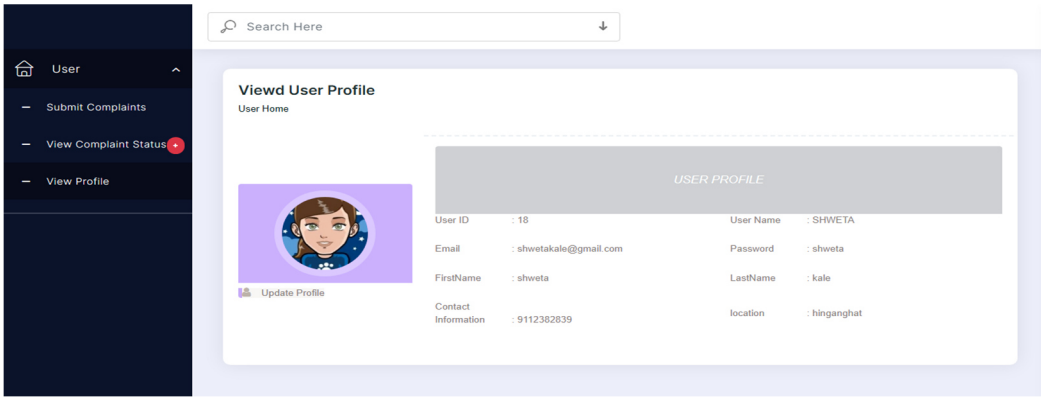
HOME PAGE



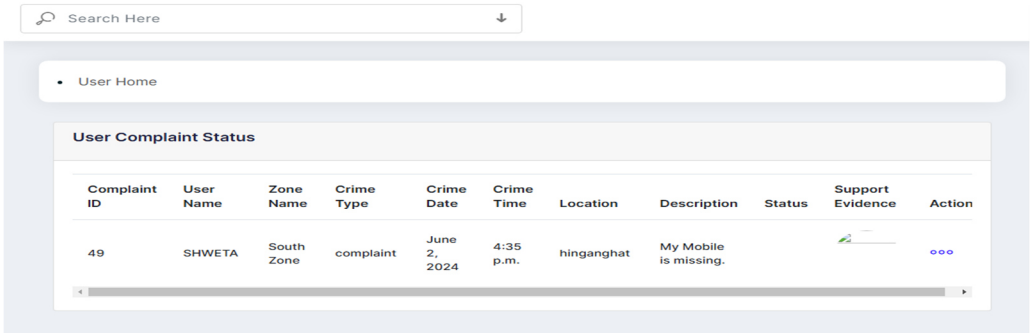
LOGIN PAGE



USER PROFILE



USER COMPLAINT STATUS



VII. CONCLUSION

Summary of Project Objectives and Achievements:

1. **Objective**: The primary objective of the Crime Reporting System project was to develop a user-friendly and efficient platform for reporting and managing various types of incidents, including complaints, crime reports, and missing person reports.
2. **Achievements**: Throughout the project lifecycle, significant progress has been made in achieving this objective. Key achievements include the successful design, development, and implementation of the Crime Reporting System, which provides users with a centralized platform for incident reporting, tracking, and communication.
3. **User Engagement**: The system has demonstrated promising levels of user engagement, as evidenced by the increasing number of incident reports submitted and positive feedback received from users regarding the system's ease of use and responsiveness.
4. **Operational Efficiency**: The Crime Reporting System has also contributed to improving operational efficiency within law enforcement agencies and other relevant organizations by streamlining reporting processes and enabling real-time communication and data analysis.

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