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Crime Reporting and Management System

Aditya Mohite[1], Aditya Wanjle[2], Vivek Bhosale[3], Prof. Ganesh Pathak[4]

Department of Computer Science and Engineering, MIT School of Engineering, MIT Arts Design and Technology University, Pune, 412201, India

ABSTRACT

The goal of the Online Crime Report & Management app is to provide a convenient and secure way for people to submit their complaints to the police. This app can be used by people who are afraid to approach the police station for their complaints. Once a user has registered in the application, he/she can post their complaints. The administrator will then try to resolve the issue and send the appropriate response.

KEYWORDS

Crime Report, Complaint Registration, Administrator, Local Police Stations, Victims, Criminals.

Introduction

The goal of this project is to provide various crime management solutions that are easily accessible by everyone. The system starts with the people who want to register their complaints through the internet. This will allow the police and social workers to easily identify the issue and resolve it without having to visit the local police station. The system's major goal is to save criminal information in a consolidated database and provide a way for the public to file complaints online. This project has a number of tools that help you manage all of your data effectively. The method was created to overcome the issues that plagued the manual system. The project is being funded in order to eliminate and reduce the current system's difficulties.

Literature Survey

Related Work

A graph-based clustering approach was used to conduct a behavioural analysis of crime against women. The 2017 International Conference on Computer Communication and Information (ICCI) is a conference on computer communication and information. Women's crime is on the rise in practically every section of India, and women in Indian society have been subjected to humiliation, torture, and exploitation. It may have existed in the past, but the difficulties have

just recently been brought to light as a source of worry. According to the National Crime Records Bureau's (NCRB) most recent data, crimes against women have more than doubled in the last ten years. While there have been a lot of studies in the subject of crime pattern identification, none have focused on crime against women in India. From 2001 to 2014, the current application offers a behavioural analysis of crime against women in India. The effectiveness of the Info map clustering method for detecting communities of states and union territories in India based on crimes is evaluated in this study. Because this is a graph-based clustering approach, all of India's states and union territories were considered nodes in the graph, and similarity between the nodes was quantified using different sorts of crimes. Each community is made up of a collection of states or union territories that share comparable crime patterns. The method initially finds communities based on current year crime data; however, when fresh crime data for the following year becomes available at the end of the year, the graph is changed and new communities are established.

CRIME ANALYTICS

Crimes are investigated using articles from news applications. Crime analysis is one of the most essential operations of most intelligence and law enforcement organisations throughout the world, and they collect domestic and foreign crime-related data in order to avoid future assaults and make the best use of limited law enforcement resources.

The analysis of the expanding amounts of crime-related data is a key difficulty for most law enforcement and intelligence organisations. The huge geographic diversity and complexity of crime patterns made it more difficult to analyse and record crime statistics. Data mining is a technique for analysing and deriving analytical results, and it presents an intelligent crime analysis system that is designed to solve problems. It is a web-based system that includes a variety of techniques, and the proposed system includes a rich and simplified environment that can be used effectively for crime analysis processes.

Proposed System

To prevent the flaws that exist in the current system, the new system should give residents with the ability to view criminal information without having to go to the police station. They can see information on the site right away. The information regarding crime and criminals is freely accessible to visitors. Reduce the number of people and the amount of time it takes. Members can check on the current status of a criminal online instead of going to the police station.

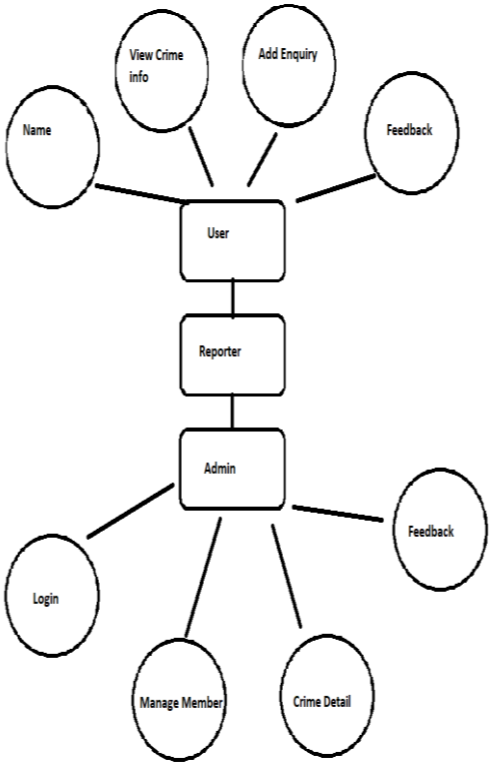
FIR Module

The user can file a FIR using their Aadhar number in this module. The FIR registration form should include information such as the kind of case and a detailed description of the incident. The user can choose which police station his or her FIR should be sent to. When filing a FIR, the user can also upload associated photographs for case evidence, and it is utilised to input all of the crime's facts. It includes information such as the date, the police station where the incident was reported, the location, the nature of the crime, and the crime's location. The case information will be sent to the appropriate police station. The FIR will be seen by the police station's administrator, who should take the appropriate actions. The steps are at their best. The analysis of the expanding amounts of crime-related data is a key difficulty for most law enforcement and intelligence organisations. The huge geographic diversity and complexity of crime patterns made it more difficult to analyse and record crime statistics. Data mining is a technique for analysing and deriving analytical results, and it presents an intelligent crime analysis system that is designed to solve problems. It is a web-based system that includes a variety of techniques, and the proposed system includes a rich and simplified environment that can be used effectively for crime analysis processes.

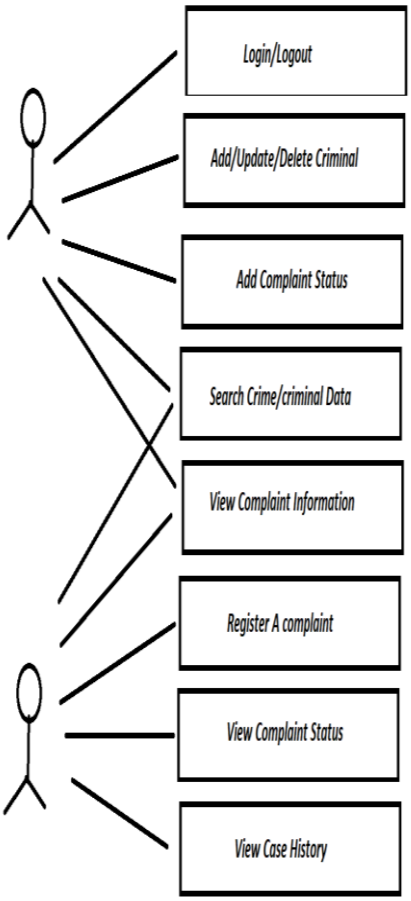
System Analysis

The analysis was carried out while keeping the project's two sections in mind. The user module was the element of the project that dealt with analysis. We focused on our design, which had to be as user pleasant as possible, because users of this programme may or may not have much computer knowledge. The next most essential step was to ensure security at the user level. It was vital to give community members privacy. Another consideration was the app's look; it needed to be pleasant and respectable enough to entice the user.

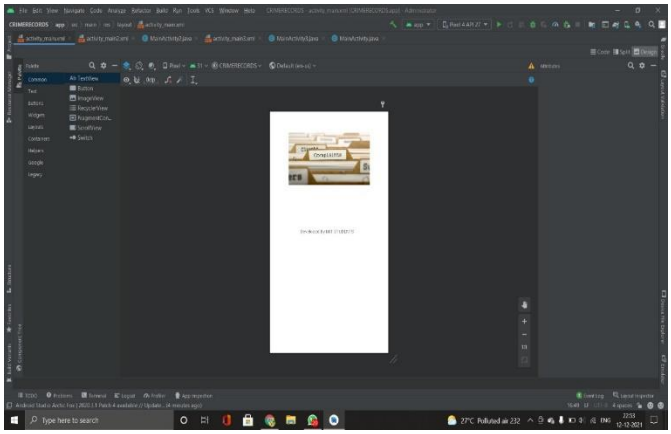
ER Diagram

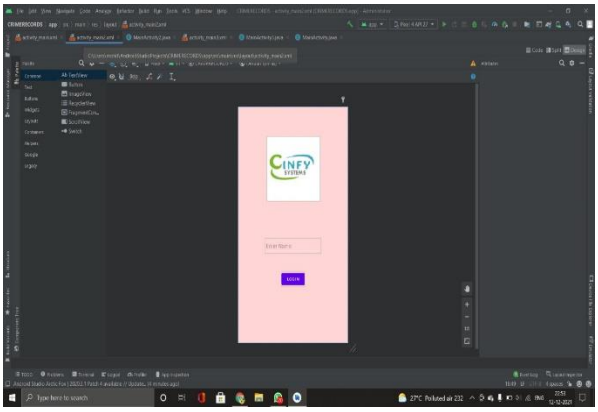


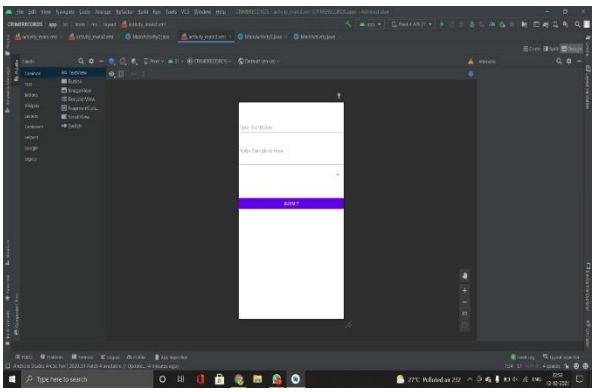
Use Case Diagram



Front End







Advantages

1. Ensure data accuracy
2. Proper control of the higher authority
3. Minimize manual data entry
4. Greater efficiency
5. Better service
6. User friendliness and interactive
7. Minimum time required
8. Minimum time needed for the various processing.

Conclusion

In this work, a fully integrated and compact system is built that can be used by both the general public and the police, resulting in a win-win situation for both. The police department, the general public, security organisations, and even hospitals will all benefit from this effort in the future (for accident and assault victims). The project's biggest strength is that it incorporates new features while maintaining the original qualities of the existing systems.

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