

CRIME RECORD MANAGEMENT SYSTEM

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Keywords:

ABSTRACT

The purpose of a criminal records management system is to offer a central location where details and updates on various crimes may be found. Users who have registered may submit their complaints using the app instead of going to the police station. The local police force may also use the app to keep track of and respond to citizen concerns by registering and logging in. The status of the recorded complaints might be updated after the police begin solving the incident. Additionally, users may check the progress of their complaints. The system displays and facilitates access to data pertaining to government services and crimes. The programme is quite useful in instances of emergency.



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Introduction

A web-based programme that offers the capacity for reporting online crimes is the criminal record management system project. Crime record management is the focal point of the proposed system. Online complaint registration is available to users. You may see the data and status of existing charge sheets at any time via the system. This technology allows people to check the information of missing people online. The technology can provide information about the police station and its staff at any point in time. On the police department's website, this system also displays data about the most sought persons. Information on victims and the generated FIRs may be accessed by the system at any moment. This technology allows for an unlimited number of clients to connect to the server. Details of evidence and their sequence may be provided by the system at any point in time. Additionally, users are able to watch Issues with the Current System:

- There is a capacity restriction on the database system, which makes it difficult to handle large datasets accurately and faster.
- Less precision and accuracy. It is inefficient.
- Difficult.
- Not doing well enough.
- Fewer properties. You can only process structured data using database systems.

At every step, there are no modules that verify the state. Suggested Framework: Users of the proposed system would be able to track not only the progress of their own cases, but also the progress of the administrator has the power to grant asylum to all sought individuals.

Issue Description: Information on crimes and services offered to users is the primary focus of this project's development. For the sake of a more pleasant atmosphere and cooperative police interactions, this feature lets users see the status of their filed offences. Project Scope: The mobile sector is now experiencing rapid growth. Many of our rivals are also investing in R&D for new platforms and user experiences. Android, developed and maintained by Google, is one such technology that is compatible with Google phones. The term "next generation" is used to characterise these phones. mobiles [As described by Google]. This project is mainly developed for improving the public and police atmosphere

Current Framework: All of the Police Stations that are registered under the system's authority are already part of the current system. Along with their classification, it is also integrated with the workers operating in these stations. Unfortunately, the current system is unable to receive successful completion data within the allotted period, even if it has user and police details via users. Here, there's an issue with knowing if users' desired status has been completed or not, which might cause serious problems in emergency situations. also in the past. The police may be called upon whenever necessary. This is the best method to help individuals, particularly when they're struggling.

- At any given moment, the system can provide the information about victims and lodged FIR's
- The evidentiary details and their sequence may be provided by the system at any point in time.
- The system can offer the information of existing chargesheets and their status at any point in time.

attain a high level of accuracy and precision. The following benefits are included in the proposed system:

Advantages:

You won't need a lot of processing power to achieve it. Implementing it is a breeze.

- It's easy to understand.
- It works extremely well.

LITERATURE SURVEY

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A crime file will be created as part of this project to keep track of all the fight against crime in a digital format. All officers in the force have access to the system via its online application. The police department's criminal file may be organised with the help of this system.

- A greater amount of qualities.
 - High accuracy and precision.
 - Large datasets can be handled quickly by the database system.
- a variety of tasks connected to the first submission of findings. We will save time and effort by managing all of these tasks in the Suck desktop crime file system, including criminal registration, information updates, searches, and reading of individual crime reports. With this method, the organization's future is brighter. The Crime,

S.No	Project-owner	Title	Explanation	Demerits
1	Prakruthi Prakasha	CRS(Crime Record system)	In this research work, the CRS aims to use mobile devices in place of traditional GPS devices in order to facilitate the police to record the location of the committed crime. Despite from the location-based service, the CRS offers the police to describe the detail and simultaneously attach the images or multimedia files. The online crime reporting system has been developed to override the problems prevailing in the practicing manual system. This software is supported to eliminate in some cases reducing the hardships faced by the existing system.	Poor performance No module is checked.
4	Sahar Bayoumi	Analysis of Roadway and Environmental Factors Affecting Traffic Crash Severities	Geographic or cartographic Visualization is a form of information visualization includes principles of cartography, geographic information systems and Exploratory Data analysis (EDA). Throughout this work, we will introduce related works in the field of crimes which we classified based on either spatial or spatial and temporal aspects. Crimes remain a social problem of grave concern where police departments have to suppress and detect crimes.	Difficult to implement Not-user friendly.
5		Geographical Information System (GIS)	It is one of the aiding domains of technology where a number of applications are being deployed to assist people in understanding and visualizing data rather than having it in other complex forms. Implementing one of such kinds of technology for crime analysis will help people in knowing the crime rate of their place in comparison to other places and will also provide hand-in-hand support to the police for providing additional focus on those regions. Crimes are the concerning factors of every country for its political, and social development. Yet, the number of technologies available in detecting and reporting crimes is limited. A GIS based application can be implemented that can be used and accessed by everyone to file the crimes happening in their locality and to know about other crimes.	Limited Reports. Delay in detecting crime.

Table 2.1: Literature survey of Crime Record Management System.

METHODOLOGY OF CRIME RECORD MANAGEMENT SYSTEM

When it comes to criminal record management systems, methodology is all about the theory and methodical study of tactics. Theoretical examination of a body of information pertaining to a set of procedures and standards is an element of it. A methodology differs from a method in that it does not aim to provide solutions. On the other hand, a methodology provides the theoretical groundwork for comprehending which approach, collection of methods, or best practice may be used to compute a certain outcome in a given scenario. Structure, plan, and manage the development process of an information system with the use of a software development methodology, also known as a system development methodology in software engineering. This project employs a variety of methodologies rather than relying on just one. The development was influenced by the waterfall technique, which is used to support criminal records control mechanism. Following are the modules: administration, user, and police. Administration: Viewing and maintaining the information of the users, police, and criminal orders is part of the operations module of the administration. They are also accountable for a variety of managerial duties at various levels. Hello there! People may sign up to submit complaints, which will lead to faster results and greater quality of life development. The status of a user's FIR may be seen online. Security forces: Officers may sign up to evaluate complaints and provide updates. The administrator assigns users to certain police locations, which aids them in settling problems quickly.

THE PROCEDURE

What follows are the stages of the implementation:

mechanism for the maintenance of criminal records. First, get the XAMPP server. Two, run the downloaded exe file. Third, open the XAMPP folder on the C drive (or the location where you installed the server). Then, locate the XAMPP control file and double-click on it. Third, launch Apache and MySQL by clicking their respective start buttons. Fifth Stage:

Front-End



Fig: 6.1.1 Home Page for Crime Record Management System.

Back-end

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Fig:6.2.1



Fig:6.1.2Officials'LoginPageforCrimeRecordManagementSystem



Fig6.2.2 RaisingaComplaintinCrimeRecordManagementSystem



Fig6.2.3AssigningapolicetotheCrimeinCrimeRecordManagementSystem

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"CrimeMapping and Geographical Information Systems in Crime Analysis" by Murat Dağlar and Uğur Argun may be found in the International Journal of Human Sciences, Volume 13, Issue 1, published in 2016. 6. "eCOPS-" by Prof. V.V. Bhujade, Teena N. Tadas, Sweta P. Lenda, and Rohini R. Hiwarkar Data Management Platform. The database used in the Crimereco RD management system is shown in Figure6.3. This data is entered into the table for testing purposes. streamlining the processes. Processing time and obtaining necessary information are reduced. Easy to use.

Future Scope

This system has to be examined extensively to identify any security flaws because it is web-based and an endeavour of the Cyber Security Division. During a certain time, staff at the data centre may have access to a dashboard that shows which sites were approved for hosting. There are a lot of different kinds of auditing operations that the system might be used for, and this is only the beginning. Applications based on processes and workflows, such as network auditing, are. Article published in 2014 in the International Journal of Research and Innovation in Computer and Communication on the topic of Electronics-Based Police Records Management Systems. 7. "AReviewofCrimeAnalysisand Visualisation. Case Study: MarylandState, USA" in Proc10.1109/NCG,2018, pp. 56-57, written by Sahar Bayoumi, Sarah Al Dakhil, Eman Al Nakhilan, E btehal Al Taleb, and Hana Al Shabib. 8. R. Subhashini and V. Milani, "Implementing Geographical Information System to Provide Evident Support for Crime Analysis," International Conference on Intelligent Computing, Communication, and Convergence, 2015, vol. 48, pp. 537-540. 9. Olaore Olufunmike A., Sowunmi Oluwawunmi, Oludele Awodele, and Onuhiri Ernest E.The European Journal of Computer Science and Information Technology, May 2015, Vol. 3, No. 2, pp. 1-12, O. Ugo-Ezeaba-AnitaA., "AREAL-TIMECRIME ORDSMANAGEMENTSYSTEMFORNATIO NAL SECURITYAGENCIES." 10. Binary Search Algorithm "Definition— What is Binary Search?", [online]. Binary search may be found at: <https://www.techopedia.com/definition/14270>. [Gov. of India, 2019]. 11. imaginatively."CaseDiagramTutorial: A Step-by-Step Example Guide