



Online Crime Reporting System

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ABSTRACT

Online crime reporting system is a software that covers the entire matter control machine and this activity will help to handle all games in police station. This can take some getting used to Documenting of crimes and control of all games in police station through computerized system. A tool to monitor all information of complaints, maximum wanted crooks, police stations, etc. Currently, most of the responsibilities are handled manually, however All sports interiors of police stations can be controlled by computerizing the operating structures easily and effectively. Modules related to this initiative are: Login for individuals and administrators, criticism registration, criticism status viewing, control check, case record information control, control the list of approximately the most wanted criminals, trendy information regarding crime inside the city, safety recommendations for individuals, especially girls and in addition vendors. This initiative is useful in the automation of police station records complaints, rogue records, administration, user and police station management system etc.

Keywords: Complaints, Crimes, Investigations, etc.

1. INTRODUCTION

Online Crime Reporting System is developed on C#, ASP and SQL Server. The main objective of this project is to provide all crime management solutions that are easily accessible to everyone. This system starts with every person who wants to file a complaint through internet so that it will be very helpful for the police department and social workers to know the problems in the society without making people to come to the police station every time. The main objective of this system is to manage criminal details in a centralized database and provide solution to people to file complaint through online. This project provides many features to manage all the data in a better way. This system has been developed to overcome the problems prevalent in manual systems. The project is supported to eliminate and reduce the bottlenecks in the existing system.

2. LITERATURE SURVEY

In this research work, a web-based Criminal Record System (CRS) aims to replace traditional GPS devices with mobile devices to facilitate the police to record crime location. Despite being a location-based service, CRS offers police to describe details and attach images or multimedia files. Online Crime 333 reporting system has been developed to override the problems prevalent in practicing manual system. This software is supported in some cases to mitigate the problems faced by the existing system [6]

Another research has been done by Murat Daglar, et. Al [7]. As essential tools for crime analysis, crime mapping and geographic information system (GIS) are increasingly being adopted sby police agencies. Developments in technology and the availability of geographic data sources make it possible for police departments to use GIS and crime mapping. GIS and crime mapping can be used as tools to identify factors that contribute to crime and therefore allow law enforcement agencies to proactively act against crime problems before they become a challenge [7]

This feature is made available to the public to communicate indirectly with the police. This system registers complaints of people online and helps police department to identify criminals. Any person can register his complaint online in this system. The project aims to develop an e-police reporting and management system that is easily accessible to the public, the police department and the administrative department. Generally many crimes witnessed by the public do not reach the police due to many reasons like fear, lack of time, ignorance, etc. [8]

Geographic or Cartographic visualization is a form of information visualization that incorporates principles from cartography, geographic information systems (GIS), and exploratory data analysis (EDA). Throughout this work, we will introduce relevant works in the field of crime, which we have classified based on spatial or spatial and temporal aspects. Crime is a social problem of serious concern where police departments have to suppress and detect crimes.9]

Geographic Information System (GIS) is one of the supporting domains of technology where many applications are being deployed to help people understand and visualize data without putting it in other complex formats. Implementation of such technology for crime analysis will help people to know the level of crime in their locality as compared to other places and also give hand-in-hand support to the police to focus extra on those area [10]

3. PROPOSED SYSTEM

Aggrieved women can file an FIR through the website under various sections. User can send photo proof online if needed. The police will have a criminal database through which they can access records at any time. In this system the user's information will be kept confidential and only the user's complaint will be forwarded to the nearest police station. The user's complaint number is automatically forwarded from the server side and to identify the location and the genuine person, the concept of the cookies and IP addressing has been used. While registering a case if the user has photo evidence he can send it through the website. Users will be notified if FIR is filed by the police. This project is also police friendly. In such cases FIR will be registered early so that doctors can start treatment at the earliest.

1.1 User Interface Module

An authentication module is a plug-in that collects information from a principal requesting access to a protected resource and checks the information against records in the data store. If the information provided meets the authentication criteria, the user will be authenticated and if the information provided meets the authentication criteria if not, the user is denied authentication. Each station must register in the system. Then the registration process begins when each station fills in their details such as administrator's name, address, phone number, station name, etc. entered. This module describes authentication so administrators, HQ and users access the application through login. The user can view the case status taken against the FIR through the module.

1.2 FIR Module

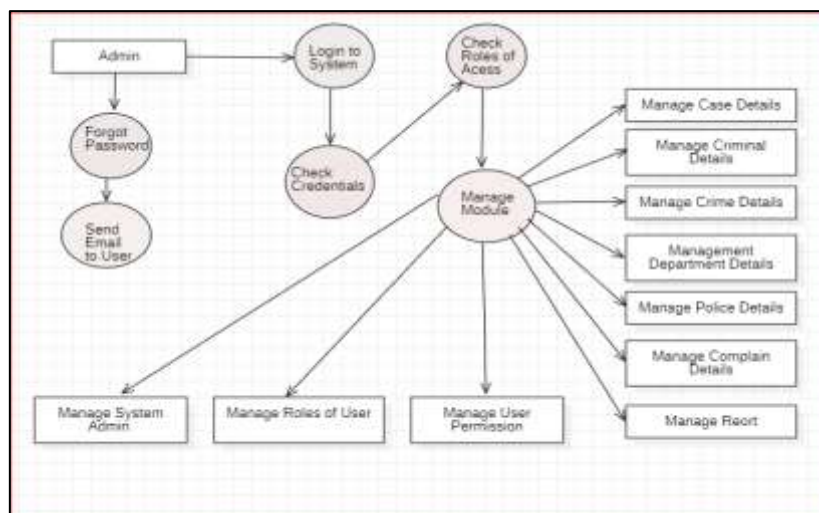
In this module user can file FIR through Aadhaar number. The FIR registration form should contain the details of the FIR such as the type of case and a detailed description. The user can select the police station to which his FIR is to be forwarded. User can also upload relevant images for proof of the case while creating FIR and it is used to enter all the details about the crime. It includes date, where registered police station, place, nature of crimes, place of crime etc. Details of the case will be sent to the concerned police station. The administrator of the police station will look the FIR and he/she should take necessary steps. Action taken against the FIR can be viewed by the user through the cases status module.

1.3 Notification Module

If the status of the FIR is kept on hold for a certain period, the FIR numbers whose status has not been changed, should be sent as an intimation to the higher authority. In our case at headquarters. Administrator at HQ can view details of cases whose status has been put on hold for a specified period. It allows users to manage and monitor case assignments regarding cases of investigating officers. Information relevant to case status, accessible for decision making. This will be enough to reduce the use of paper forms and implementing this system will increase the changes of assignment, solving ability and the changes of missing progress material will be greatly reduced.

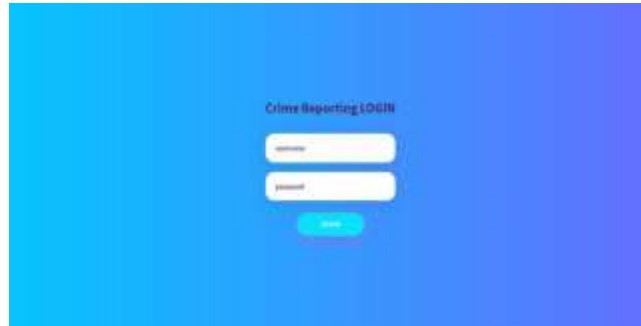
1.4 Case Report Module

In this module, we can analyse the crime reporting rate and processing rate and processing rate of the police station. We can also analyse the cases filed against each type in a specific location. We have downloaded a large data set from the crime data set providers in India. And we have prepared the report in the chart form for pictorial representation of case details. Crime report is visualized in ASP.NET graph format using factor graph method and convolution neural network algorithm. It enables tactical users and police chiefs to generate reports that will help them monitor and police doing their job. It will also help in the decision-making purposes of the law enforcers.



4. RESULTS

Login Page:



Dashboard:



Add Report:



All Report:



5. CONCLUSION

In this paper, a fully integrated and compact system is developed which can be used by the common man as well as the police and this system will be a win-win situation for both. This project will be widely used in the future by police departments, common man, security agencies and even hospitals (for accident and assault victims). The biggest strength of this project is that it retains the new features as well as the original features of existing systems (for example: criminal databases).

6. REFERENCES

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