

Online Crime Reporting System

BhavnaGopchandani^[1],RoshniPrithiyani^[2],MaheshKumbhare^[3],SahilSangole^[4],
KevilGondule^[5],PayalWasamwar^[6],BajjnathYadav^[7]

[1](Assistant Professor, Department of Computer Science, Jhulelal Institute of Technology, Maharashtra, India)

[2], [3], [4],[5],[6],[7] (Department of Computer Science, Jhulelal Institute of Technology, Maharashtra, India)

Abstract

In past few years, technology has become one of the important necessities of everyone's life. Nowa days everyone knows how to use computers, laptops, smartphones etc. This case can be seenwhere people can report the crime on the crime location itself. These system use track of everyperson who is using this application, with the help of that admin can easily keep a track if somecriminal is trying to use this application. This application is asked mandatorily to upload aprofile picture and Aadhar card details from which the department can easily track every personwhois using this application.

INTRODUCTION

Online Crime Reporting System is developed on C#, ASP andSQL Server. The main aim for thisproject is to provide all crime management solutions which areeasily accessible by everyone. The system starts with every people whowant to login a complaint through the internet so that it is very useful for police department and social worker to find out the problem in the society without making people to come to police station every time. The main purpose of the system is to manage criminal details in a centralized database and provide solution for public to give complaint through online. This project provides lot offeatures tomanage allthedata in well manner. The system has been developed to override the problems prevailing in the manual system. The project is supported to eliminate andreducethe haredshipsfaced by theexisting system.

Crime is a part of illegal activities in human life. It is quite obvious that the rate of crimes is increasing day by day in all societies across the world, but we do believethat there is a lot which can be done by both the governments and the individuals to reduce the crimes in communities. The rise of population and complex society rises the range of anti-social conducts that must be restricted by the government through themilitary and different organizations particularly the Police Force. There aremany current crime management systems which faces several difficulties, as there is no means to report crime instantly other than phone calls, messaging or face-to-face compliant filing. Hence, we have proposed an online crime reporting system which allows the user to file complaints or missingreports and keep a track of it. There are 3 categories that a user can file; Complaint, Crime Report andMissingReport and can see all the status of what action has been taken by the admin. To file any of the above 3 complaints, the user should register in tothe system andprovidehis right credentials to filethem.

LITERATURE SURVEY

Behavioral analysis of crime against women using a graph Basedclustering approach.2017International Conference on Computer Communication andInformation (ICCI): Crime against women is increasing at an alarming rate inalmost all parts of India and women in the Indian society have been victims of humiliation, torture and exploitation .It has even existed in the past but only in the recent year she issues have been brought to the open for concern. According to the latest data released by the National Crime Records Bureau (NCRB), crimes against women have increased more than doubled over the past tenyears. While anumberof analyses have been done in the field of crime pattern detection, none have done an extensive study describes a behavioral analysis of crime against women in India from the year 2001 to 2014.The study evaluates the efficacy of Info map clustering algorithm for detecting communities of states and union territories in India based on crimes. As it is a graph based clustering approach, all the states ofIndia along withthe union territories have been considered as nodes of the graph and similarity among the nodes have been measured based on different types of crimes. Each community is a group of states or union territories which are similar based on crime trends. Initially, the method finds the communities based on current year crime data thenextyearisavailable,thegraphismodifiedandnewcommunitiesareformed.

2.1 Tweet summarization usinggraph

Twitter is an online social networking site, where hundreds of millions of tweets are posted every day by millions of users. It is considered to be one ofthefastest and most popular communication medium and is frequently used to keep track of recent events. Tweets related to a particular event can be found using keywordmatchingand many of them contain identical information. If a user wants to keep track of an event, it is difficult to have all the tweets containing identical orredundant

A graph is been proposed for summarizing tweets where graph is first constructed considering the similarity among tweets and community detection techniques are then used on the graph to cluster similar tweets and finally a representative tweet is chosen from each cluster to be included in the summary.Thesimilarityamong tweets is measured using features based on Word Net sunsets which help to capture the semantic similarity among tweets. The proposed approach achieves better performance than Sum basic which is an existing summarizationtechnique.

Data mining based crime investigation systems: The number of crime incidents reported per day in India is increasing dramatically. The criminals use various advanced technologies and commit crimes in tactful ways and this makes crime investigation more complicated process and the police officers perform lot of manual tasks to get thread for investigation. The paper deals with the studyof data mining based systems for analyzing crime information and automatesthe crime investigation procedure of the police officers and the majority of these frameworks utilize a blend of data mining methods such as clustering and classificationfor the effective investigation of thecriminals.

2.2 Crime analytics: Analysis of crimes

Crimeanalysis is one of the most important activities of the majority ofthe intelligent and law

enforcement organizations all over the world and they collect domestic and foreign crime related data to prevent future attacks and utilize limited number of law enforcement resources in an optimum manner. A major challenge faced by most of the law enforcement and intelligence organizations is analyzing the growing volumes of crime related data. The vast geographical diversity and the complexity of crime patterns made the analyzing and recording of crime data more difficult. 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.

IMPLEMENTATION

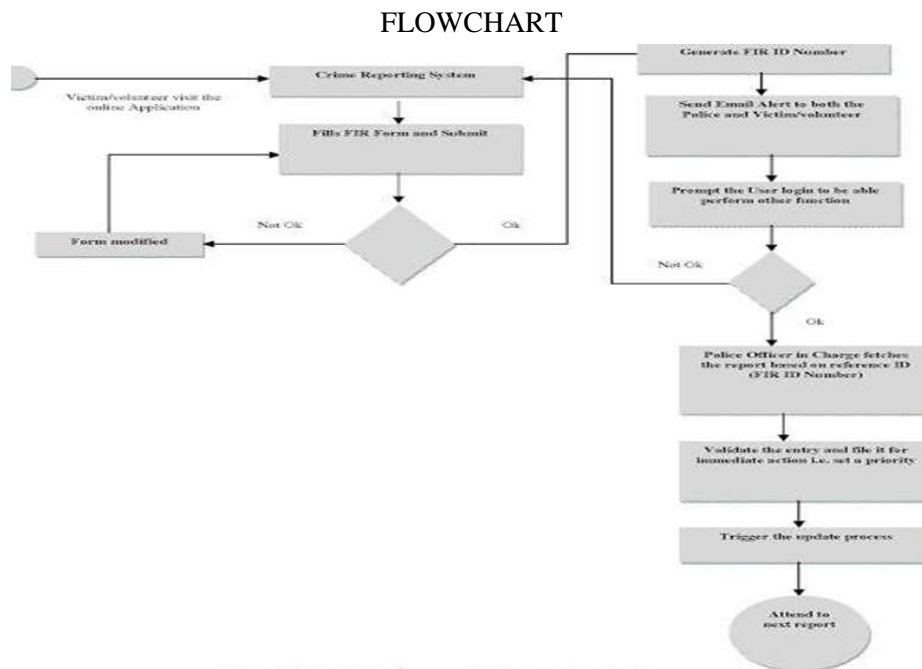


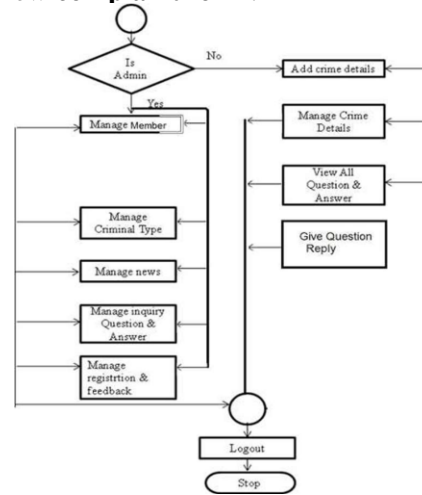
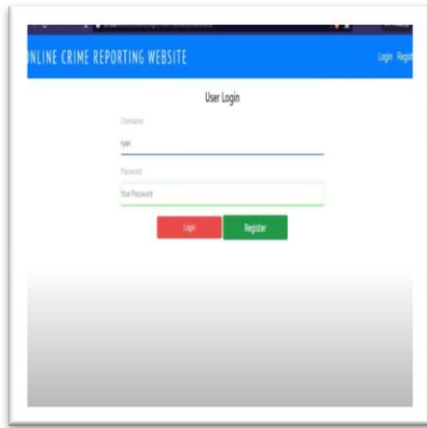
Figure 2: The Activity Diagram of Crime Reporting System

Algorithm

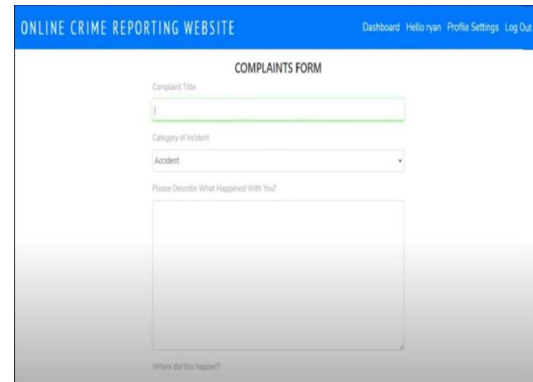
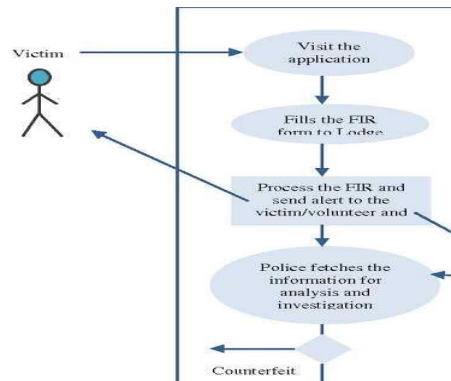
- **The user registration in Online Crime Reporting System Project in Django.**
 In this section, we will learn on how create a templates for the **user registration**.

- **The new complaint form in Online Crime Reporting System Project in Django.**

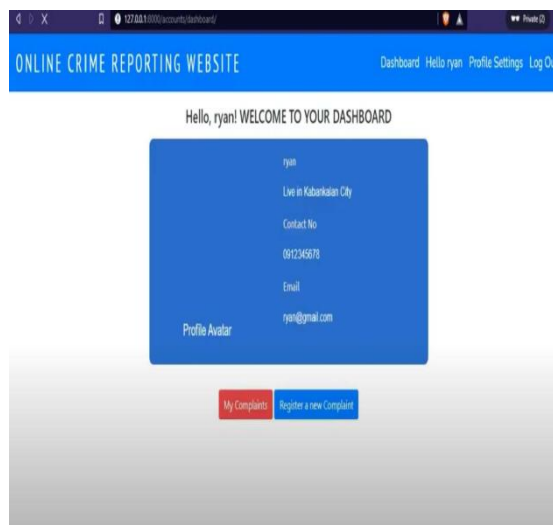
In this section, we will learn on how create a templates for the new **complaint form**.



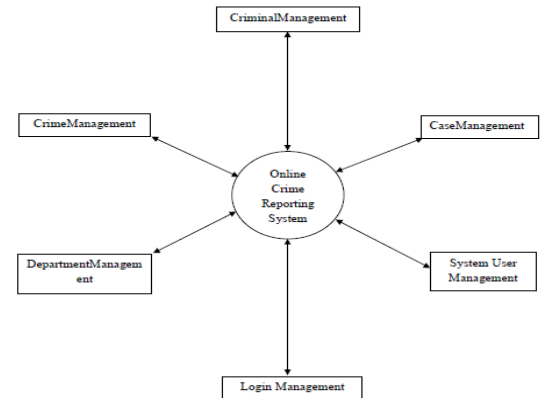
- The complaint table form in Online Crime Reporting System Project in Django. In this section, we will learn on how create a templates for the complaint table. To start with, add the following code in your all_complaints.html under the folder of templates/complaints.



- The complaint table form in Online Crime Reporting System Project in Django. In this section, we will learn on how create a templates for the complaint table. To start with, add the following code in your all_complaints.html under the folder of templates/complain.



- So the outcome of all the management system is here. It is a software package that helps the user to figure with the prisons and crimes simply. This software is going to be a very Useful and helpful for our society. It saves time as a person can lodge an FIR without going to the police station or govt. organization. Every time any incident or accident or any criminal activity take place and it is updated in it, it will be stored for future references and security purpose. This online crime reporting system could be a resolution to all the issues which are associated with culprit details, violation of the law or anything which is unconstitutional.



FUTURE SCOPE

The Online Crime Reporting System is a web application system which is too much helpful for all the common people, government organization and different societies. This is based on a very simple and non-complex approach. This has been created as a safety measure for all sections of people and societies. Anything which is against the law or anyone who is violating the law will now have some fear as now filing an FIR is much easier than it was before. The Online Crime Reporting System is a success with satisfaction from both the people and government organizations. This has been tested and is a success. So, this makes it much more efficient. In this paper, a completely integrated and compact system is developed that can be used by the common man as well as the police and this system would be like a win-win situation for both of them. This project will be widely used in the future by the police department, the common man, security agencies and even hospitals (for accident and assault victims). The greatest strength of this project is that it offers new features as well as retaining the original characteristics of the existing systems (for example: Criminal Database). This website is an easy to view type of a site. It is simply accessible to anyone who is sixteen years and above and this is an example of a simple engineering which is easy and can be used freely without complexation. This website will provide user with a profile under which he/she can add anything and no misuse will be conducted as it has some eligible criteria and which has to be taken care of, so the chances are less.

CONCLUSION

The Online Crime Reporting System is a web application system which is too much helpful for all the common people, government organization and different societies. This is based on a very simple and non-complex approach. This has been created as a safety measure for all sections of people and societies. Anything which is against the law or anyone who is violating the law will now have some fear as now filing an FIR is much easier than it was before. The Online Crime Reporting System is a success with satisfaction

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