Online Crime Reporting System

# ABSTRACT

The victims can file the case through the website under various sections and the user can send photo evidence if any online. With the rapid urbanization and development of big cities and towns, the graph of crimes is rising rapidly. This phenomenal rise in offences and crime in cities is a matter of great concern. There are robberies, murders, smuggling, rapes and crimes which one can't think of. Crime reporting solutions used today are trivial. Crime reports are still stored in paper records and evidences such as media files are stored in CD's or DVD's. When the case progresses, the paper records and evidences tend to increase and makes it difficult to manage. Also, if a previous case is reopened after a long time, there is a hard time finding all the records regarding the case. Many of the crimes that happen in India are not reported to the police. There can be several reasons why a victim do not report a crime like he don't want to get involved in a police case or he don't want to disclose his identity. Despite that, for every crime only the police is held responsible so maintain the anonymity is the main aim of this project.According to a report by Times of India, from the global ransomware attacks that hit hundreds of systems to phishing and scanning rackets, at least one cybercrime was reported every 10 minutes in India in the first six months of 2017. That's higher than a crime every 12 minutes in 2016.

According to the Indian Computer Emergency Response Team (CERT-In), 27,482 cases of cybercrime were reported from January to June. With more Indians going online, cyber experts said putting in place critical infrastructure to predict and prevent cybercrimes was crucial. There is a need of dedicated cyber cell to address cyber crimes reported by the people. In our current system, there is no way to report a cyber crime online. so we are adding a cyber crime reporting feature to help the people .And it has the feature like showing the status of the their compliant and also police can add the list of wanted or dangerous criminal photos and information that will help the people to identify and protect them self from criminals and also police can send an alert about criminals.

**INTRODUCTION**

The main aim for this project is to provide all crime management solutions which are easily accessible by everyone. The system starts with every people who want 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 of features to manage all the data in well manner. 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.

**LITERATURE SURVEY**

Behavioral analysis of crime against women using a graph Based clustering approach.2017 International Conference on Computer Communication and Information (ICCI):

Crime against women is increasing at an alarming rate in almost all parts of India and women in the Indian society

This system is designed for particular need of the company to carry out operations in a smooth and effective manner. The application is reduced as much as possible to avoid errors while entering the data. and it also provide error message while entering invalid data. No formal knowledge is needed for the user to use this system and hence it proves it is user friendly. Online crime reporting system can lead to error free, secure, reliable and fast management system and it can assist the user to concentrate on the other activities rather than to concentrate on the record keeping. The purpose of the project is to automate the existing manual system with the help of computerized equipments and to fulfill the requirements so that the data can be stored for long period with easy accessing and manipulation.

have been victims of humiliation, torture and exploitation. It has even existed in the past but only in the recent years the 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 ten years. While a number of analyses have been done in the field of crime pattern detection, none have done an extensive study on the crime against women in India. The present paper 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 of India along with the 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, subsequently at the end of a year when new crime data for the next year is available, the graph is modified and new communities are formed.

Tweet summarization using graph based clustering technique,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 of the fastest 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 keyword matching and 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 or redundant information and it is desirable to have good techniques to summarize large number of tweets.

A graph is been proposed for summarizing tweets where a 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. The similarity among tweets is measured using features based on Word Net synsets which help to capture the semantic similarity among tweets. The proposed approach achieves better performance than Sum basic which is an existing summarization technique.

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, 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.

PROPOSED SYSTEM

The victims can file the FIR through the website under various sections. The user can send photo evidence if any online. The police will have a criminal database through which they can access the records anytime. In this system, user’s information will be kept confidential and only users complain will be forwarded to the police station. Users can also complain the cyber crime and civil crime also and he can also attach the photos and files and videos,

**USER MODULE:**

User is provide with the user dashboard and also he can file the compliant with proof also, and he can check for the status of their compliant , and anyone can register the cyber crime compliant also and the user will get the alerts from the police and every user is having is own profile and id ,and he have to register before going to register a compliant.

There is no need to visit police station for registering compliant ,It help them the save their time and register a compliant on time and this helps for controlling of crimes , data provided by the user and any information will

Be kept safe there is no data loss every information is stored in data base and create a backup of their information ,so there is no data loss and which is the efficient way

**POLICE MODULE :**

Police have to login first then they can see the compliant that are filed by the users and he is having is own dash board and every police man has there own levels and grades so every one is provided with different id and profile he can log into it and check the compliant and register it and update the status of compliant.

Police can send the alert to the people about the crimes and criminals so the people aware of those people and protect them self . police will receive the cyber crime compliant also with the feedback from the user so people can easily contact the police without any hesitation and with trust and hope.

Problem statement

* In police station they are still storing the data in the files or paper , it’s hard to handle the large amount of data when the case gets progress
* Chances of data lost
* Some people are scared to visit police station.
* People are not aware about the legal acts
* Some people don’t know where to register the cyber complaints and what are the process and all.
* Some people want to keep their identity safe , they don’t want to reveal them self.
* The existing system involves so many steps to register a compliant.

**Advantages**

* + - Ensure data accuracy
    - Proper control of the higher authority
    - Minimize manual data entry
    - Greater efficiency
    - Better service
    - User friendliness and interactive
    - Minimum time required
    - Minimum time needed for the various processing.
    - Easy to use.

**CONCLUSION**

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).

**FUTURE WORK**

In this paper, a completely integrated system is developed which can be used by the common man as well as the police. In the future work, we will implement the QR code scan for the privacy of the user downloading the

FIR details.

REFERENCE

1. A.Abbott,The System of Professions:An Essay on the Division of Expert Labor,Chicago,1988.

2. M.Altvater,Management of Knowledge intensive Companies, Berlin/NewYork,1995.Nasridinov and Y.-H. Park, “A study on performance evaluation ofMachine learning algorithms for crime dataset,” in *AdvancedScienceAnd Technology Letters*  *Networking and Communication 2014*, vol. 66,2014, pp. 90–92.

3. S. Saitta, B. Raphael, and I. F. C. Smith, bounded index for clusterValidity,” in *5th InternationalConference on Machine Learning and Data Mining (MLDM 2007)*, vol. 4571, July 2007, pp. 174–187.

4.E. K. Steven Bird and E. Loper, “Natural language processing in Python,” 2007 R. N. Mangoli and G.

M. Tarase, “Crime against women in India

5.statistical review,” in International Journal of Criminology and Sociological Theory, vol. 2, no. 2, December 2009, pp. 292–302.

6.D. K. Tayal, A. Jain, S. Arora, S. Agarwal, T. Gupta, and N. Tyagi, “Crime detection and criminal identification in india using data mining Techniques,” AI & SOCIETY, vol. 30, no. 1, pp. 117–127, 2015.