

Crime Reporting System

Hariharan J^{*1}, Arumugam S²

¹MCA Student

Department of Computer Science & Applications,

Periyar Maniammai Institute of Science and Technology. Thanjavur.

harijanahan1@gmail.com.

²Associate Professor,

Department of Computer Science & Applications,

Periyar Maniammai Institute of Science and Technology. Thanjavur.

arumugamtj@gmail.com

Abstract: The Crime Reporting System is an application that covers complete case management system and this project will help in managing all activities of the police station. It can be used to report crimes and manage all the activities in a police station using computers by tracking all the details of complaints. Currently most tasks are done manually, but by computerizing all the activities inside a police station the working systems can be managed easily and effectively. Crime reporting is a service that police provide. By the time number of reported crime cases get increases. But law enforcement finds out there is a gap between reported crimes and not reported crimes. Numerous reasons may involve for this gap. It is not a good thing to giving a chance for criminals to stay safe in the community as innocents, and that motivates criminals to do more crimes. Because of that, the community at high risk of being a victim. And as law enforcement, they are unable to do their jobs because many crimes are not getting reported. Sometimes that affects the ongoing investigations too. To fill this crime report gap, some law enforcement launched online crime reporting systems for the public to report crimes. So, this paper discusses how crime reporting systems are going to help law enforcement and ongoing investigations. And the involvement of the public in these systems. The effectiveness of the system to police is also discussed in this paper. This paper has included previous studies to show the impact of crime reporting systems in modern-day policing. The police department and the administrative department This system registers the complaints from people through online and it will also helpful to police department in catching criminals, in system and person can give any complaint at any time.

Keywords: Crime reporting system-police station-done manually-cases increased-law enforcement-ongoing investigation-administrative department-catching criminals.

1. Introduction

Crime reporting is a service that police provide. By the time number of reported crime cases get increases. But law enforcement finds out there is a gap between reported crimes and not reported crimes. Numerous reasons may involve for this gap. It is not a good thing to giving a chance for criminals to stay safe in the community as innocents, and that motivates criminals to do more crimes. Because of that, the community at high risk of being a victim. And as law enforcement, they are unable to do their jobs because many crimes are not getting reported. Sometimes that affects the ongoing investigations too. To fill this crime report gap, some law enforcement launched online crime reporting systems for the public to report crimes. So, this paper discusses how crime reporting systems are going to help law enforcement and ongoing investigations. And the involvement of the public in these systems. The effectiveness of the system to police is also discussed in this paper. This paper has included

previous studies to show the impact of crime reporting systems in modern-day policing.

There are different forms of crimes that are happening every day in different regions. Huge number of these crimes go unreported either because there is no law enforcement in the region or people are sometimes scared to reveal their identity to the police. Also, crime goes unreported, because people do not have enough evidence to help police with the investigations. In order to address this problem, this paper proposes an automatic crime reporting and immediate response system that is developed based on system integration which combines Raspberry Pi, Microsoft IoT, mobile application, and web application. An automatic crime reporting, and immediate response system does not only guarantee informer's safety and secrecy, it also stops cases and reports from being deleted or removed and guarantees information integrity. The automatic crime reporting system has an incredible potential to assist informers to report crime anonymously or by providing their details using mobile phones. It also

assists police to provide proper security and reduces the manual work in crime reporting. This system uses non-Structured Query Language (non-SQL) database that allows crime evidences such as pictures, videos, and audios to be retrieved faster. The quality of pictures and videos evidences never degrades, it is always 99.9% accurate when retrieving and saving to the database and 97% accurate with respect to detecting location automatically. The system also ensures the average time for reporting crime to the police dispatch centre is less than 30 seconds. The developed system reduce time consuming to finish crime research or investigation.

Crime is also a section of outlaw activities in human period expectation. It is noticeable that the speed of crimes is growing day by day altogether, although we have a tendency to incline to try to living that there's masses which can be done by the governments and thus the folks to chop back the crimes in societies. There are various existing crime reportage systems that appearances several issues, as there is no suggests that to report crime instantly other than phone calls, messaging, or face-to-face compliant filling. Hence, here we tend to propose an online crime coverage system that allows the user to file misconduct reports and keep a track of it. To file any of the upper than 3 complaints, the user need to register in to the system and provide his right credentials to file them. The crime coverage system project jointly permits totally different users international organisation agency does not got to register but can check the crimes happening at his/her or the opposite area, should merely supply the pin code and reciprocally the system displays the list of crimes in any filed. The offline i.e., the unregistered user will even benefit of checking the missing person details, but he/she is shunned getting complaints done by the users. The front of the crime coverage system is finished victimization android Studio and SQL may be a backend to store books lists and inventory info. This system helps the users to filed to the law and take a bonus of coverage of any grievance from anywhere through online mode.

2. Literature Survey

The project goal was to develop a crime reporting system suitable for small, medium, and large cities, and for use by both urban and rural law enforcement agencies. In the requirements analysis, data were gathered via mailed questionnaires and on-site surveys to establish functions within each agency that required crime data and to analyse both the information requirements of these functions and the data needed or available to meet them. The data elements were then identified. A data hierarchy was established; it consisted of data groups, data categories, data chains, data elements, and data items. Five elements necessary

for each event were also established: event information, personal descriptors, property descriptors, location information, and time information. Finally, a prototype crime reporting system was designed that relies on four reporting forms: a complaint/dispatch reporting form, a crime event report form, follow-up investigation report form, and an arrest report form. The system consists of three functional modules: a data capture module, a report management and control module, and a data utilization module. The system maintains an event/case file and a police activity file. The conceptual crime reporting system design and data elements thus developed must now be tested and evaluated in an operational environment. The surveys used, data element charts, prototype forms, and other tables and charts are included in the 28 exhibits. The agencies included and responding to the mail survey, a data element list by crime reporting process, and Security and Privacy Standards of the National Advisory Commission on Criminal Justice Standards and Goals are appended.

3. Performance Analysis of Proposed Methodology in terms of Existing and Proposed Approach

Crime may be a part of outlaw activities in human life. it is quite obvious that the speed of crimes is increasing day by day altogether societies across the globe, however we tend to do be- live that there's loads which may be done by each the governments and therefore the people to cut back the crimes in communities. There square measure several current crime management systems that faces many difficulties, as there's no suggests that to report crime instantly aside from phone calls, electronic messaging or face-to-face compliant filling. Hence, here we tend to propose a web crime reportage system that permits the user to file misconduct reports and keep a track of it. To file any of the higher than three complaints, the user ought to register in to the system and supply his right credentials to file them. The crime reportage system project conjointly permits different users United Nations agency doesn't need to register however will check the crimes happening at his/her or the other space, must simply offer the pin code and reciprocally the system displays the list of crimes if any filed. The offline i.e. the unregistered user can even cash in of checking the missing person details, however he/she is shunned obtaining complaints done by the users. The forepart of the crime reportage system is finished victimization humanoid Studio and SQL is a backend to store books lists and inventory information. The system, has each the user likewise the Admin half, the role of admin is to merely check all the three modules or classes and

update their standing likewise. this technique helps the users in following any report filed to the law and take a bonus of reportage any grievance from anyplace conveyance the complete system on-line.

The main purpose of developing the online crime reporting system is for the welfare and safety of the public. Due to some factors in today's time public sometimes do not trust the government officials, due to this they do not ever want to go to the station and file a report. So, this system will reconstruct the bridge between the two - public and government officials respectively. So now if anyone want to file a complaint or misconduct, they can do it easily from their home.

Criminal activities and misconduct are the two driving factors which has make our societies unsafe and due to this there is an immense devotion in the youth and every person in the society to make it safe and no one should be worried about any type of misconduct. Now it happens all the time when an incident took place and the victims wants to go to the police station to file an FIR but due to many factors which are unhealthy for the society, they cannot do so this project or application on which we have worked is totally to reconstruct the broken bridge between the society and the government organization. Now it will help the people to stand for the wrong which has been done and they can file an FIR by sitting at their home without any infiltration they can do it all online now. Now as we have discussed about the barriers that are there in the society we will discuss about the needs and the use of the online crime reporting system. So, this is an online application or an online web application on which user can file any complaint of the misconduct and not only this but they can also update any incident which was violating the law and can add pictures and videos as per they are having. So now if a user must file an FIR, then they just have to go to the site and then there are two portals – one is public portal and the other is the admin portal. The public portal is where the user will go to file an FIR, they just must register themselves and they will be provided with a profile on which they can add any video or they can file the FIR by filling the details online. Now we can explain this as a social media application but not for fun but for any violation of the law by anyone. All the people above the age of sixteen years can get themselves registered in it and can file an FIR upload any video or they can simply do upload anything which is unconstitutional. Now comes the admin portal, which comes under the government supervision and it is controlled by the government organization to make a full scalability use of this application in making society safe and secure. The society can be made safe and secure by this as when any one will add a picture or a video of any incident which was violated or unconstitutional all

the people there who are active users will know that incident when the public will know with the police will know about the misconduct and the details of criminals and criminal activities they will become more conscious about them and when everyone will be conscious then the safety will increase in the society which will drive out and throw all the evil activities out of the society. So, this is mainly to make everyone conscious about what all is going on around us and to take a safety measure, when everyone will conscious it will be a very decent society or evil free society, to make people know about what is going around is also an objective of this project. The user at the time of registration will be asked about a user id, password, some details and etc., then they will get registered and can-do what's need to be done. The admin portal which comes under government organization or government supervision is having a login id which is same for all the staff officials which will show them everything which is needed to be shown. So, this is the whole discussion about the web application on online crime reporting system. It will be helpful to the law enforcement agencies.

4. Conclusion

After all, analysis is done that clearly showed how crime reporting systems do a positive impact on the community and law enforcement units for modern-day policing. These systems can make the public willing to report crimes and confirm the information they give. These systems are much effective and efficient than manual crime reporting. Now there is no mobile application in Sri Lanka to report a crime or give tips about a crime. Using an application makes it easier to identify crimes and capture the criminals make them a safer country to live its citizens. If could implement an application that able to report all kind of crimes and give tips and verify that information through the application with protecting reporter's identity and their tips can do a great positive impact to the society and its great help for law enforcement for policing. The Online Crime Reporting System may be an internet application system that is just too a lot of useful for all the folk, government organization and completely different societies. This can be supported an awfully straightforward and non-complex approach. This has been created as a security live for all section of individuals and societies. something that is against the law or associate degree one United Nations agency is violating the law can currently have some worry as currently filing an FIR is way easier than it had been before. The Online Crime Reporting System may be a success with satisfaction from each the individuals and government organizations. This has been tested and may be a success. So, this way builds more economical.

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Authors Biography

J. Hariharan, completed BCA degree in Periyar Maniammai Institute of Science and Technology, Vallam, Thanjavur, Tamilnadu, India. Now studying MCA degree in Periyar Maniammai Institute of Science and Technology, Vallam, Thanjavur, Tamilnadu, India.



S. Arumugam. received his M.C.A., and M.Phil. in computer Science from Bharathidasan University and pursued Ph.D from PMIST. Now working as Associate Professor at the Department of Computer Science and Application, Periyar Maniammai Institute of Science and Technology, Vallam, Thanjavur, Tamilnadu India. He authored several books/course materials for postgraduate students of PMIST and published papers in national and international Journals. He is a Life Member of Indian Society for Technical Education (ISTE) and Computer Society of India(CSI). He organized several workshops on different topics.

