

Review on Online Crime Prevention System

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ABSTRACT- This paper proposes and implements information about child abuse, drug addiction, a low cost object tracking using API system. The system allows a user to send the position and records of any crime related situation with location to police whenever they feel unsafe . The data is send through mail as well as the contact of police of each district will be available on this system. This system is developed using React JS,PHP with Google Map embedded. The system will help user to FIR(first information report) .This system is very useful for situations like (child abuse, woman prevention, drug addiction) This System also consist of videos and many more information about drugs addiction, child abuse, woman safety which will be attractive to young user and childrens.

Index Terms- API, Google Map, Longitude, Latitude, PHP, React JS.

I. INTRODUCTION

A good number of systems had so far been developed with wide range to file a complaint[1,2]. But the operation cost is very high as well as much time is taken. On other hand, the rate of drug addiction, Child abuse, rape and many other crimes take place in many countries .The objective of this research is to reduce the cost of the system to file a FIR , give information about child abuse, drug addiction, report a crime easily and make it available to the common people. So, the researchers come up with the idea of making a Crime Management and Reporting web system as it work well this web will be converted to application for better use because of the awareness that nowadays, there's a lot of crime happens anywhere and going to the police department and municipality FIR is time consuming because they are using old manual methods and it takes so many days to make an action on said complaints. In this fact, researchers present the development of crime management and reporting system online[6,7] as well as offline. So, using the system, people would easily report the ongoing crimes in their area.

No formal Knowledge is needed for the

user to use the system. Thus, the system is user-friendly. Crime Reporting System as described above can lead to, secure, reliable and fast management system. The main scope of this research is to develop web-based system which is easily accessible to people and report a crime. The website cannot be accessed without an internet connection, but the complaints can still be filled and send report using their phones for off-line reporting as all police contacts of each district is available in the system.

II. EXISTING SYSTEM

Existing pen-paper reporting is very burdened as it is very time-taking. The digital crime prevention system makes the approach of record keeping safe as well as bring up the faster resolution time for crime spot. The helpline number such as ambulance number, police number are also available in the reporting system which make it valuable and consist lot of benefits.

In the present scenario filings FIR/complaints [3] is a hectic task since one must go through a very huge process for justice. In order to file a complaints one must search for nearby police station and have to give it as a written statement.

And this takes nearly a day of an individual. In this busy world, it is not so simple to give up on our routine. The old system of filings complaints affects our daily routines, makes people spend a lot of our precious time.

Mainly it gives a lot of chances for criminal to escape.to avoid all this miserable we have designed online crime reporting system which makes everything happen in small amounts of time .

III. PROPOSED SYSTEM

The purpose of this paper is to design a crime management and reporting system[4] to be aimed at:-

- 1) To address fast crime reporting, person's emergency case can be send[5].
- 2) To develop a system which help government to

solve the high crime rate and accidents.

- 3) To have accurate reporting that makes the response of the authority faster.
- 4) To ensure the system will be simple to use and user-friendly .
- 5) To evaluate the system of its accuracy and speed.
- 6) To ensure that the user's identity will be enclosed to the database officer only.

This system consist of three phases as :-

A. For Police ;

All the data that user sends regarding complaints will be sent to police , the police needs to login with the username and the password provided to him, as this is not publicly available, whenever they sees the complaints they will be notifies also that they may get offline call as their number will also be available in the crime reporting system.

B. For General User ;

In this module the user will file a complaint regarding the crime as they will have all location, district, complaints type as well as with their number as they can directly file a complaint to nearby police station

C. Cloud Database

In this paper, cloud will be used for storing database .as we mentioned above in phase (A), the username and password used by police will be cross-verified by the one which is already stored in database. The user complaints will also be present in the database.

IV. Application Used

A. For Police ;

React (also known as React.js) is an open-source javascript library for building user interfaces.

It is maintained by Facebook and a community of individual developers and companies. React can be used as a base in the development of single-page or mobile applications.it was created by Jordan Walke, a software engineer at facebook.

B) PHP

PHP is a server-side scripting language that is used to develop static websites or dynamic websites or web applications. PHP stands for Hypertext Pre-processor, that earlier stood for Personal Home Pages.

PHP scripts can only be interpreted on a server that has PHP installed.

C. Cloud Database

Google Maps platform web services are an interface for requesting Maps API data from external services and using within your Maps applications. The Maps API web services use HTTP requests to specific URL parameters as arguments to the services. The map shows location calculating Longitude and Latitude[8,9].

V. CONCLUSION

In this paper we have overcome the problem of reporting complaints, communication gap between the police and general user. The problem of reporting fake crimes will be overcome as this system will need the verification of police to report incidents. This will be user friendly as well as consists lots of information regarding different kind of crimes.

REFERENCES

- [1]. Addington, L. A. (2006). Using national incident-based reporting system murder data to evaluate clearance predictors: A research note. *Homicide Studies*,10(2),140-152.
- [2]. Tomas U. Ganiron JR , John Stephen Chen , Ronalyn Dela Cruz and Jeromme G.Pelacio (2019). Using Development of an online Crime Management & Reporting System.
- [3]. S.P. Godlin Jesil , Rajat Basant , Pratihvir. *International Journal of Pure and Applied Mathematics* Volume 119 N0. & 208, 533-538.
- [4]. Pranjal Gupta ,Danish Ahmad Khan ,Pankaj Agarwal(2018).live crime reporting in *International Research Journal of Engineering and Technology*(Volume: 05).
<https://developer.android.com/reference/android/telecom/TelecomManager.html>.
- [5]. Paul Heaton and Luis Garicano, "Do computers Help police fight crime?CentrePieceWinter 2007/08", Available at:
<http://cep.lse.ac.uk/pubs/download/cp247.pdf>
- [7]. William Akotam Agangiba, Milllicent Akotam Agangiba (2009-2013) Vol.4, No. 12 Available at *Journal of Emerging Trends in Computing and Information Sciences*
- [8]. Shaveta Bhatia, Saba Hilal (2013) *International Journal of computer Science Issues*, Vol. 10, issue 3, N0 1, may 2013
- [9]. Developers," Location and Map", available at
<http://developer.android.com/guide/topics/location/index.html>.



- [10]. Salman , Waheed Ahmad , Riaz Ali, salman Saleem (2015) “research on mobile application for location tracking through web server and short at: SMS” available <http://www.vfast.org/index.php/XXX@2015>
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