

Crime Reporting App Using Android Application System

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Abstract: - The purpose of crime reporting app is to automate the existing manual system by the help of Computerized equipment's and full-fledged computer software, fulfilling their requirements, so that their valuable Data/information can be stored for a longer period with easy accessing and manipulation of the same. The Imperative software and hardware are effortlessly available and smooth to work with. Crime reporting app, as described above can lead to error free, secure, reliable and fast management System. It can aid the user to focus on their other activities rather than concentrate on record keeping. Thus, it will help organization in better utilization of resources. The organization can maintain computerized records without redundant entries. That means that one need not be diverted by information that is not relevant while being able to reach the information. The aim is to automate its existing manual system by the help of computerized equipment's and fill-fledged computer software, fulfilling their requirements, so that their valuable data/information can be collected for a longer period with simple access and manipulation of the same. The project describes how to manage for good performance and better service for the clients.

Key Words: — *Crime Reporting, Android App, Crime Reporting System, computerized records.*

I. INTRODUCTION

Today we all know that the Crime rate has significantly increased in past few years, it is difficult to report & track all of it. Generally, it takes hours of manual work & efforts to report & file a crime. Sometimes most of the crime goes unreported due to the fear of the accused being powerful, fear of being identified, being threatened for their & their family's lives, the influence of the police authorities, corruption, constant visits to police stations for verification, etc. As for the police department, it is difficult to maintain their manual records, the pressure of not working on several cases, not being able to file cases & others.

As per the current situation of the global pandemic, we are not able to step out & report a crime even if we see them. It is difficult for the police to reach out to such people & report crimes. We need a system to overcome such drawbacks to ensuring a safe community.

Here we are proposing a CRIME REPORTING APP to overcome all the issues mentioned above.

It will be easy to download & easy to use to ensure that all can use it. Crime Reporting App is a framework between the public & police. The app is to ensure that there is transparency in reporting of crime & working on the case as well.

The purpose of the Crime Reporting App is to automate the existing manual system with the help of computerized equipment & full-fledge computer software, fulfilling requirements, so that their valuable data/information can be stored for a longer period with easy accessing & manipulation of the same. The Required software & hardware are easily available & easy to work with.

II. LITERATURE SURVEY

- Behavioural 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 Indian society have been victims of humiliation, torture, and exploitation. It has even existed in the past but only in recent years, the issues have been brought to the open for concern. According to the latest data released by the National Crime

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Records Bureau (NCRB), crimes against women have increased more than doubled over the past ten years.

- This system is designed for the particular need of the company to carry out operations smoothly and effectively. The application is reduced as much as possible to avoid errors while entering the data and it also provides error messages while entering invalid data. No formal knowledge is needed for the user to use this system and hence it proves it is user-friendly. The online crime reporting system can lead to error free, secure, reliable, and fast management system and it can assist the user to concentrate on other activities rather than to concentrate on record keeping.
- The purpose of the project is to automate the existing manual system with the help of computerized equipment and to fulfil the requirements so that the data can be saved for a long period with simple access and manipulation.
- The study evaluates the efficiency of the Info map-clustering algorithm for detecting communities of states and union territories in India based on crimes. Being it is a graph-based clustering approach, all the states of India simultaneously with the union territories have been considered as nodes of the graph, and similarity among the nodes has been measured based on different types of crimes. Each community is a group of states or union territories that 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 changed and new associations are formed.

III. METHODOLOGY

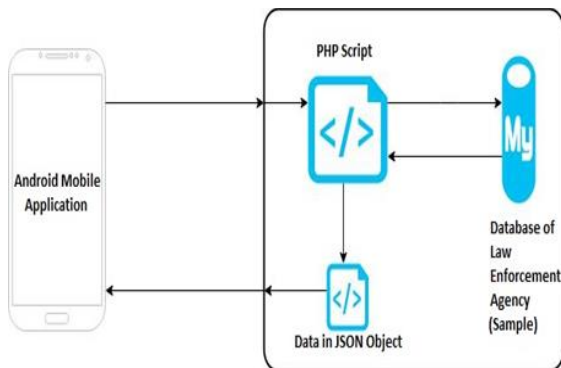


Fig.1. Block Diagram

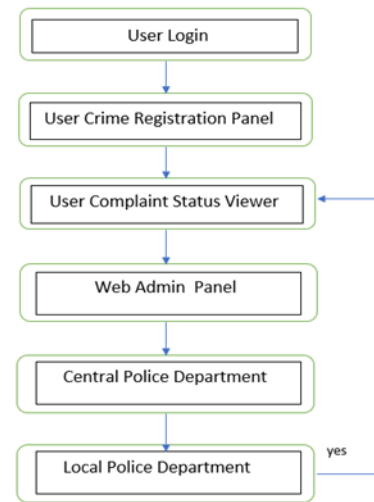


Fig.2. Work Flow Diagram

A. Working Principle

Crime reporting application works on four modules. The first module is user registration module in which user has to register themselves. After registration, the user has to log in with the given username and password. If the user is already registered and tries to register again with the same username, then the database will show a message that the username already exists. This module serves as the gateway to the main module. The second module is complaint registration where the user has to choose which type of complaint he/she wants to file such as a missing report, complaint report, or criminal report in a designed pattern. Once the data is transferred to the database, the application moves further to the third module. The third module shows the complaint status to the viewer. The user can view all complaints they have filed so far. The fourth and last module is the web admin panel, which will go through the complaints and assigns a local police station to them. After that, the authority can work on the filed complaint and update the status on the complaint status viewer.

IV. ADVANTAGES

- Easy to handle.
- Understandable
- Agile Registration.
- Easy to report crime from any location.
- Report can be registered anytime.

V. FUTURE SCOPE

- App can be multi-lingual.
- Locations can be used via GPS.
- This app can be used for town, city or district.
- Range of service of App can be changed by Admin.
- End-to-End encryption can be done.
- Users can choose to go anonymous.
- User profile can be verified with National Identification Cards.

VI. RESULT



Fig.3. Login/Sign-up Credentials

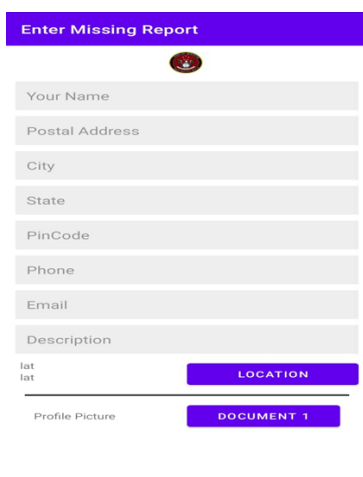


Fig.4. File Missing Report

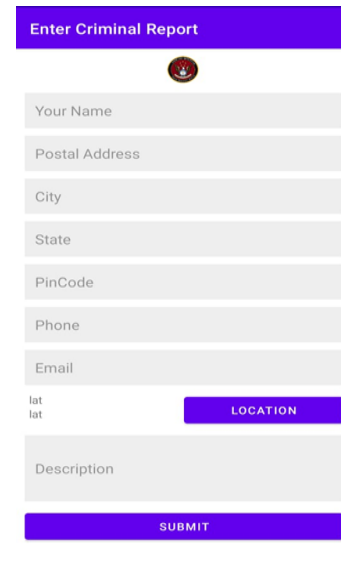


Fig.5. File Criminal Report

The figures 3, 4, 5 above shows the application modules which has been successfully developed.

Crime Branch

Missing Report

#	View	Username	Phone	Email
1	View	tb	778o	ugbu@g.com
2	View	c	cc	cc

Fig.6. Database of reports

VII. CONCLUSION

Hence, we conclude that the CRIME REPORTING APP is very useful in the pandemics, timesaving for the reporter and the departmental police, without any threats to the people for filing any case, status display of case, faster and safer way to take actions on and helps in the interior development of our country.

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