International Journal of Modern Trends in Engineering and Research
www.ijmter.com

A SYSTEM TO ASSIST PEOPLE IN PROBLEMS AND WATCH AROUND

[1] Nidhi Priya, [2] Nrattanjay R Rane, [3] Om Prakash, [4] P V Sindhoory,
[5] Mrs. Bhat Geetalaxmi Jayram (Associate Professor)

[1,2,3,4,5]*Department of Information Science and Engineering,The National Institute of Engineering, Autonomous under VT, Mysore – 570008, Karnataka, India*

Abstract- CRIME SHOUT is an effort towards building a secure and friendly society. It uses GPS system to keep track of your close ones and to create a Self Help Group (SHG) of people around you. This application lets you to be part of the SHG, application will create a group of 10 people who are nearest to you at that instant of time. It has one touch feature that enables you to send mayday messages to the SHG following which people can help in emergencies. MAP UI enables to keep record of crime that has occurred in the city. In traditional security apps like bSafe sos messages are sent to only friends and family, but this has a drawback that friends and family may not be around you in the time of help. Our app also connects directly to police station and ambulance. This will helps victims to avoid attack and it also helps to police to reach that place as fast as possible for provide help to victim and save her from attack.

Keywords: GPS, Map based UI, Voice Recording

I. INTRODUCTION

Here, we are presenting our application which is enriched in all earlier provided feature along with our newly added advancements. The application provides real-time help by clicking on 'Help Me' option. An SOS (Save our Souls) message and location information will be sent to four numbers enlisted by the user as people to be contacted in emergency. The application has many features including 'Report Criminal Activity', get 'Police Phone Directory' with 'Contact Your Law Enforcement Officials', 'Push Notification' feature to get live traffic updates. 'Crime Shout' comes with an exclusive feature that provides user the facility of live location tracking. With 'Dynamic Crime Access' feature Crime Shout makes general public aware about the criminal activities and helps them to ensure their safety and concurrently help others. By a simple click on 'Watch around you' button, a user can get the complete list of criminal activity around you in a Map User interface. This feature will include emergencies according to its priority i.e., accident will have highest priority, next comes murder, crimes against women and infants, robbery, personal help, etc. These cases will be distinguished from one another with different colour combination.

II. EXISTING SYSTEMS

Traditionally people during emergencies contact police or their friends and family. But it's not guaranteed that they are available every time we need. Many apps are present in market like be safe - but it's mainly concentrated on personal safety (not social problems-like robbery or accident and not even built as a helping app) and its reach is limited to the friends and relatives.

Moreover these apps demand currency from main balance, but this won't work if the balance is null or when internet facility is not present. There is no application built till now which directly connects to police station. Crime level in India is at an extreme level so in order to lower the rate we have come up with this self-help group.

bSafe- Personal Safety App

This app is designed for providing everyday safety by allowing you to set network of family and friends with whom you can share your locations. The Guardian Alert button in the app will send an alarm message in times of need to your friends and family while GPS will track your location and whereabouts. One can also make their phone ring when needed using the Fake Call feature.

Guardly Mobile Safety Apps
Our safety apps deliver personal safety and security to individuals by transforming their mobile devices into smart personal emergency phones. Simply launching our safety apps will transmit real-time GPS location and indoor location within buildings (for select enterprise customers), and provide two-way communication with private security, 911 authorities and safety groups.

StaySafe
StaySafe is centered on a timer that you set when, for example, you go out for a run. If you don't check in safely when your timer is up, the app notifies your contacts. StaySafe sends your GPS location via email or SMS, and you can add the details of your trip or event so your contacts know that they're receiving an alert.

III. PROPOSED SYSTEMS

This app will send message to the police station (every police station should have one smart phone).So, this app will give you facility to connect to the people or services present nearby. The people (present within a range of area) who have the same app installed will get a pop-up message in their status bar. It's not only the self-protector app, though it is a helping app too. It provides a social networking platform for people to ask for help during their emergencies, this app provides a map-based user interface that provides instant detail about crime that took place in the area.
This app will automatically upload data about your location by using GPS module of the mobile into our database so that this detail can be used for security purposes.
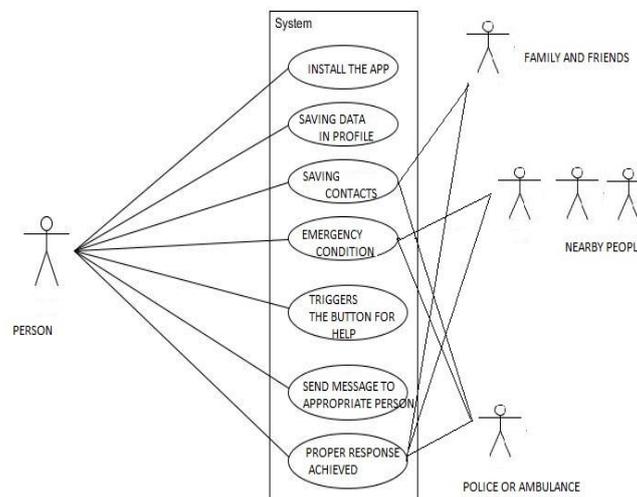

Figure 1: Use case diagram

Along with all these features, the app will also keep record of your location periodically say like for every half an hour even if u haven't opened the app. This will be effective in the case when the attacker or the problem occurred certainly and you didn't get chance to open the app. This facility will keep you sending your locations to the people who are in your contact list of crime shout.
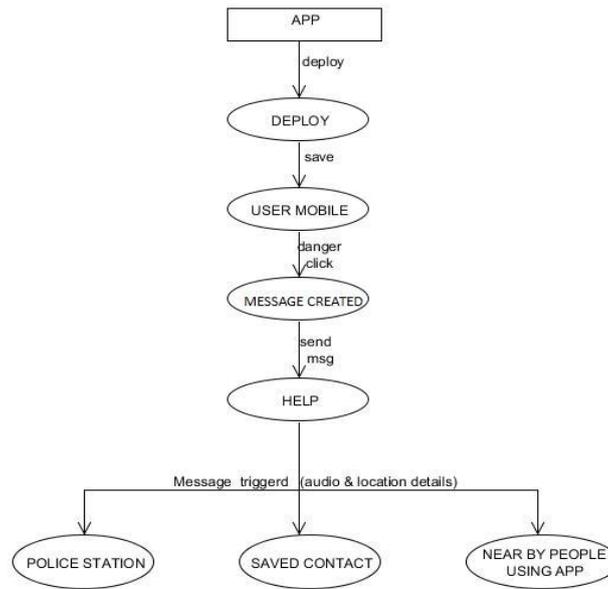
Figure 2: Data flow diagram

IV. APPLICATIONS

A For protecting against the crimes.

B Helping people when they are stuck in some remote area.

C It will act as safety application in emergency cases and Automatically Connect with Emergency Services.

D Fastest way to connect to authorities, family & friends, when you need help.

E Real-time Collaboration- When you use the app to send an alert, everyone in your safety group is notified by email, telephone call, and SMS.

F Real-Time Location Tracking.

G For the entire duration of an emergency incident, the app will keep your safety network informed of your whereabouts - even if you're on the move.

V. FUTURE WORK

Include voice recognition feature which loads the app automatically on hearing specific voice commands implement the app on other mobile operating systems like windows, iOS. Enable message sending feature in the absence of internet facility.

Implement the application in wearable devices.

VI. CONCLUSION

The primary goal of project is to create a safer environment for the society. This will thus create an environment which will help people in nearly all the aspects of life ranging from day to day minor help to major health related emergencies. This app will integrate the three emergency services police, ambulance and fire brigade thus giving a single solution to all the emergency problems. We believe that if this service will be implemented completely it'll eradicate crime against women thus reducing molestation and sexual abuses. This app can also be used to track people during emergencies. The location obtained can be used as evidence in criminal cases by investigators.

VII. ACKNOWLEDGEMENT

It is the time to acknowledge all those who have extended their guidance, inspiration and their whole hearted cooperation all along our project work. We wish to place a deep sense of gratitude to our

REFERENCES

[1] www.google.com

[2] www.tutorialspoint.com

[3] Wikipedia

[4]Magazine article on the Web Rivlin, Gary. "Wireless networking." Wired 11 Nov. 2003. Wired Magazine. 2003. 17 Feb. 2004

[5] Harish, "Newspaper article on the Web" Dec. 2008. Computer.

[6] Winik, Jay. "A Brief History of android." New York Times on the Web 16 Dec. 2003. 17 Dec. 2003<http://www.nytimes.com/2003/12/16/opinion/16WINI.html>.

[7] Author- Lauren Darcey, Shane Conder, Title of Book: "Sam's Teach Yourself Android Application", year 2012.

[8]Author- Barry Burd, Title of Book: "Android Application Development all in one for Dummies", year 2014.

[9] Author- Reto Meier, Title of Book: "Professional Android 2 Application Development ", year   2010.

[10] Author- Bill Martin, Title of Book: "GPS book ", year 2008.

[11] Magazine article: IEEE Spectrum.

[12] Computer Shopper Publisher "Shoppers town" Aug 2011.

[13] PC World Publisher "TMH" Mar 2013.

[14] Understanding android security, Enck, W, Pennsylvania State Univ., University Park, PA , Ongtang, M., McDaniel, P., Published by :   IEEE Computer Society ,Publication Year : Jan-Feb 2013.

[15]Mobile Security: A Look Ahead, Qing Li, Clark, G, Published by: IEEE Computer Society, Publication Year: Jan 2012.

[16] Security Automation and Threat Information-Sharing Options, Kampanakis, P., Published by: IEEE Computer Society, Publication Year: Dec 2010.

[17]Introduction to GPS, Ahmed EL-Rabbany, Published by: IEEE Computer Society, Publication Year: March 2004.