Girl’s Safety
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Abstract:
So many unexpected incidents have been taking place in case of women's. Problems can happen from any direction such as women walking on the road after the work, going to supermarket or many other reasons for which they go alone. Parents or people at home are not sure of their return safety. Woman dies due to the attacks but not by suicides. In New Delhi in 2013 there happened an incident which is a gang rape with 23 year old woman in bus at 9.30 pm. In Mumbai the incident that has taken place the case of woman who is leaving the native place after Christmas holidays has been kidnapped and killed. These are the problems taken place in the day to day with women. Hence to overcome such type of Problems faced by women the GIRLS SAFETY (women security apps) mobile based application is not only necessary to use but also plays a pivotal role with android software. Today most of the women work independently to support their family. They have to work till night sometime. For such working and non-working women, safety is the most important requirement. The cases of harassment and rapes on women are increasing therefore security issue for such woman comes forward. To provide security to women best suitable system for those women will be a potable system which the women will be able to carry will her and easy to use.

Keywords: Apps, Android, GPS, Mobile, Safety, Tracking, Women.

I. INTRODUCTION

Women’s safety in India and around the world is a big concern which has been a most important issue to be resolved, if we want to maintain a healthy and peaceful balance of human society. It is an accepted fact that violent crimes against women are occurring in India daily. Now many Indians do not deny, or shy away from conversations relating to eve-teasing, sexual assaults or rape. There is no tool for development more effective than the empowerment of woman. The following quote from Great Swami Vivekananda explains it very well:

“There is no chance of the welfare of the world unless the condition of the woman is improved. It is not possible for the bird to fly on one wing.”

For a long time, we have been asking our women to “cover themselves”, to “stay in their limits” or “not to say anything” in cases of harassment. It’s now reached a tipping point and these age-old methods are proving to be ineffective. So, in this age of technology advancements android smart phones have become very common among the people. Another thing is that most of these smart phones are equipped with GPS (Global Positioning System) technology which helps to track the accurate position of the person currently holding the smart phone from any remote location around the globe. With these android devices one can constantly be in touch with his/her friends and family. The attacks on woman can occur at any particular moment as random as while taking a walk, going to school, college or office, visiting a grocery store and of course while making use of public transports like bus and trains. The important and most common point to note in all these situations is that most women will almost always carry the android smart phone with them. Because of that it is the best feasible option for providing lot of safety facilities for woman on just one tap of button on their android devices. Several apps are already out there which helps woman to feel more safe by being able to communicate with and send emergency messages to their Friends along with their current location on just a tap of button on their smart phone.

II. METHODOLOGY

In this application first download the app Girl’s safety. After downloading the app user registration form is open. User have to fill the details in the registration form all the details are stored in the database. Email verification codes are generated and send to valid email. Now the login page is open user can successfully login by using user id and password. Contact numbers are added like family, friends etc. A gesture control is provided user can choose any gesture pattern in the list. When user draw a specified gesture pattern a trouble notification with the victim’s location is send to the person’s having this app as well as contact numbers which are added.

III. PRIOR APPROACH

Through this search we came across several android apps which play a vital role. Some of these Apps are:

VithU: App After installing this app on the phone, victims just have to press the smart phone power twice to activate the applications, and then the handset automatically shoots distress messages to a set of predefined contacts and will continue to push geography data in every two minutes to the guardian to track the real-time location of the victim. Messages will be sent from the phone after every two minutes.

Bsafe: app ensures the safety and security of women. Personal Safety App When we are in a situation that seems dangerous, we can tap on the app button. Additionally a call will be automatically made to one of the person who we choose. A message will be send to all our relatives that we had previously added in a list in the application. Paid version supports emergency call to 3 numbers. Also in this app, we can set to enable fake Sin coming calls in various time intervals in case if we need Also it will send a map of our current position.

CIRCLE OF 6: Circle of 6 App is an iPhone app originally designed for college-aged students and their friends to stay close, stay safe, and prevent violence before it happens. We
believe that staying connected to a small group of people is critical to keep us and our friends informed and safe. Circle of 6 is a mobile app that makes it quick and easy to reach our circle and let them know where we are, and what we need. It’s a fast, easy-to-use and secure way to look out for each other. The design ensures safety, speed and privacy. GPS is integrated (using Google maps), and is only activated by you, and sent to your own Circle of 6. The design is simple. It takes two touches to get help, so no fumbling or digging around for the right number we use icons to represent actions, so that no one can tell what we are up to if they see our phone. The design ensures safety, speed and privacy.

POLICE NEARBY:
This app is developed by Big Systems in 2013. Police scanner Android App is use by any local, state, or school, College, police department as well as other law enforcement agencies to provide you with enhanced services and get better communication. Police nearby app is free to download without signup. The police nearby scanner android app is used to connect citizens and students to their nearest police stations at one click and will permit the community to become more involved right from your Android Smart phones.

RAKSHA WOMAN SAFETY ALERT:
This App send the location alert to emergency contacts even without switching on the app by pressing volume button and it can also dial 100 and sends SMS where there is no mobile Internet connection.

IV. OUR APPROACH
The complete system can be divided into three modules:

a) The first module can be the victim’s phone which uses GPS tracking application and also GPRS for sending information of the location to the database continuously.

b) Second module can be the database in which the contact details like police, family, friends etc. are saved.

c) Third module can be the mobile phone of friends or family or police to which the information of GPS co-ordinates will be sent.

1. Initially, when we use the gesture control the application will start automatically. In Gesture Control we are using a specific character ‘V’ which will automatically start the application.

2. Global Positioning System (GPS) is used to trace the location of the victim’s phone. The GPS satellites transmit signals to a GPS receiver. When we draw a character ‘V’ the GPS information (the GPS information which is in the form of latitude and longitude co-ordinates of the user’s location and in the form of URL which leads to the location of the person through any stock map application like Google, Nokia etc.) The whole process of the system is work only when the device is connected to mobile network, data connection of the device is on and location service in the device is switched on (GPS).

3. This section describes the working of the database. The other major reason of using database is that it store the location of victim and trouble message of victim phone then when the user is in trouble, based on the user’s location observed from the database. The nearest police people can go to the location and can rescue the person in danger. Hence the exact location of the victim’s will be identified and she can be rescued quickly.
V. CONCLUSION

This application is designed in the android platform for safety of women as it will deal with the critical issues faced by women. This application can overcome the fear that every woman in the country about her safety and security. This application provides location awareness using GPS location. This mobile application is very helpful for any woman, because when a woman is in danger then she uses this app with Gesture Control which is more secure than a click on the mobile and alert their family, friends, and even police station and other people who are within 100 meters or more distance with an exact location message. As the distance is short, quick response to the victim can be given. This app will reduce the crime rate.

VI. REFERENCES:


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