

Implementation on Women Security Android Application

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Abstract- As we can see that all the people in the world are using the cell phones and everyone has become so smarter in using the cell phone and everyone now has the knowledge of using their phone for various purposes. Today in the whole world, people are using the smart phones and these can be great advantage. A smart phone can be used easily for the purpose of personal security and various other problems. As we can see that in today's life all the women's are unsafe and they cannot travel alone at night time and this has become a serious issue so for the purpose of safety purposes we have developed a android application to provide security to women by their own cell phones. This application presents women security and we can send the help signal through app by opening the application and pressing the emergency button provided in the application, whenever need arises. This application locates the place through GPS and sends a message by adding the location (longitude and latitude of the cell phone) to the saved contacts by the user and sends messages to numbers which are being saved in the application mobile which are having this app.

Keywords- Personal security, Online Location Tracking, GPS.

I. INTRODUCTION

As we can see on the social media and various other places that women's are not as safe as they were earlier because we can see that there are increase in number of women victims in today's world and even no women has the idea of becoming the victim. So we have introduced an application which will be helpful for the women's to deal with the problems they are facing on the streets during night period. They are always across ethnic, religious, political, and cultural divides to promote peace. We are all aware about importance of safety of women's but we must understand that they should be properly protected and treated properly. Women's are not as strong as men, in an unsafe conditiona helping hand would be a better and safe for them. The best way to stay away from becoming victimand increase your chances of not becoming a victim of any crime (robbery crime, sexual assault crime, rape crime) is to understand the situation and take a proper action on it which will help you come out of unsafe/critical situations. Whether you are in a shocking trouble or get separated from the group of friends during the travelling and

etc, and don't understand how to go home, so by using this application on your cell phone can help in decreasing your risk and bring helpful support when you need it. As now a day's many new applications have been developed and provided security systems to women on their phones. We introduced an application which helps for the safety of women and reduce the risk for the women's. This application helps to identify unsafe condition and call for help to come out of dangerous situations. This application will help the needy and bring a favorable condition and support when we need it and help us to trace the location of the one in unsafe condition. This app designed to provide security to women main purpose of this app to provide the awareness on the time of critical situation for women. This application will send the emergency message to the contacts that are being saved in the application and the location will be sent along with message.

II. LITERATURE SURVEY

[1]Bramarambika Thota and Udaya Kanchana Kumar P The usage of smart phones equipped with GPS navigation unit have increased rapidly from 3% to more than 20% in the past few years. Hence, a smart phone can be used efficiently for personal safety or various other protection purposes especially for women. This paper presents Sauver, a personal safety application developed for smart phones of android platform. This app can be activated by a single click when the user feels she is in danger .This application communiqés the user's location to the registered contacts for every few seconds in the form of message. Thus, it acts like a sentinel following behind the person till the user feels she is safe. The key features of this application are along with the user's location, one of the registered contacts gets a call. Also, the registered contacts and GPS location are saved from time to time in a database.

[2]Abhijit Paradkar and Deepak Sharma According to the reports of WHO, NCRB-social-government organization 35% Women all over the world are facing a lot of unethical physical harassment in public places such as railway-bus stands, foot paths etc. In this paper the authors have reviewed of various existing systems on women security. The authors have felt a need of advanced women security system to

provides the safety measure in public places as well as travelling alone through public transports (school buses, company vehicle etc). This paper proposed a new model for the women security in public places which aims to provide the 100% safe environment.

[3]P.Kalyanchakravarthy -Android is a java based operating system which runs on the Linux 2.6 kernel. It's lightweight and full featured. Android applications are developed using Java and can be ported to new platform easily thereby having huge number of useful mobile applications. This paper describes about a Safety Triggering application being developed and its successful implementation with tested results.

III. METHODOLOGY

Emergency Button:

This Emergency button will be provided in the front page of the application so that the user can easily press the button in the unsafe condition and get the help by near ones. As the name suggests whenever the user presses the emergency button the emergency signal will be generated and the message along with location will be sent to the numbers that are being saved by the user at the time of registration and the 100 number will be dialed automatically after pressing the emergency button. The emergency icon will be provided to the user on the first page of the application.

Location Button:

As the name suggests whenever the user presses the location button then the user will be provided the get location button and when the user presses the button automatically the longitude and latitude will be shown in black box showing the exact longitude and latitude value.

Contacts Button:

In these button the user can access all the contacts that are being saved in the contact list of android and the user can select the contact from the contact list and can send the message to the selected contact. He/she can search the contact and send the message directly to the selected contact.

IV. MODELING AND ANALYSIS

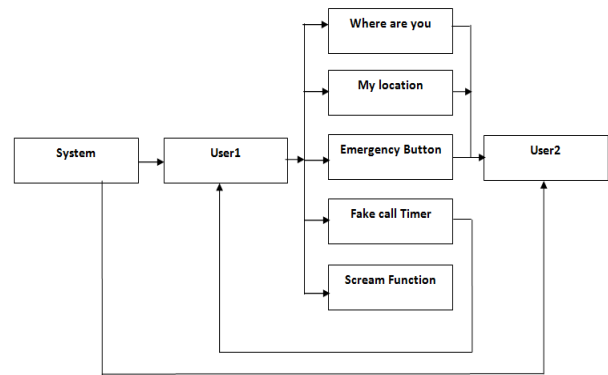


Figure1: Block Diagram of Application.

V. SYSTEM ANALYSIS



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Figure 2: Logo page



- LOCATION
- EMERGENCY
- CONTACTS

Figure 3:HomePage



Figure 4:Location Page

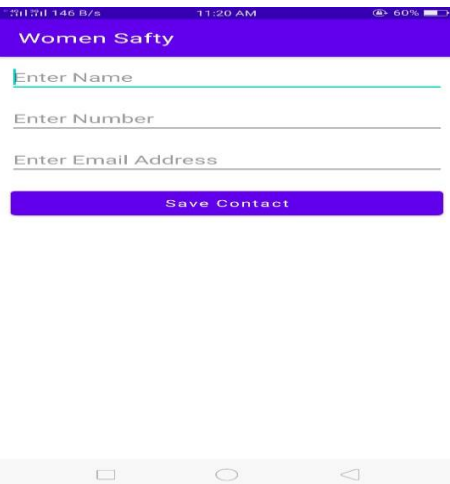


Figure 5:Add Contact Page

VI. APPLICATIONS

1. SMS alerts and notifications are sent in the emergency case.
2. It can handle large amount of a data.
3. The fake call function allows the user to make fake calls in the time of need.
4. The SMS contains your message and your exact location.
5. Security features based on user roles.

VII. LIMITATION AND ENHANCEMENT

Futures Enhancement:

- In future there can be a separate hardware button attached on the Mobile so by pressing it the user can send the emergency signal.

- There can be voice recognizer which will work according to the users voice command and send the emergency signal.

Limitation:

- This can only be used in android devices and not in Ios.
- The network should be strong enough to send the message.

VIII. CONCLUSION

This application will help the women's and other needy peoples into their daily life who are facing the problems of night traveling and other critical conditions. This application will directly dial the 100 on pressing the emergency button provided on the front page. This app is designed to provide security to women main purpose of this app to provide the awareness on the time of critical situation for women. The user can use the fake call function whenever the user feels the unsafe condition and get escaped easily.

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