

WOMEN SAFETY AND SECURITY APP

M.Durgalakshmi¹ and Mrs.K.Priyadharshini²

Final year PG Student, Assistant Professor.

Department Of Information Technology,

G. Venkataswamy Naidu College, Kovilpattii,

Tamil Nadu, India

ABSTRACT

The world is becoming unsafe for women in all aspects. The crime against women are increasing at a higher rate. The employed women are feeling unsafe due to increasing crimes. This paper proposes a quick responding mechanism that helps women during trouble. When someone is going to harass, she can just press the button and the location information is sent as an SMS alert to few pre-defined numbers in terms of latitude and longitude. The purpose of this project is to feel safe the women's. The alert SMS will send to the respective police station regarding the current location of the user. The SQLite helps to store the user contacts in the database. The current location of the user will reach to the contact details stored in the database. The longitude and latitude of current location helps to locate the address through map. There may be a possibility of failing to view the alert SMS, therefore after sending SMS an alert will be given to the respective user through call. This Android app which can send SMS with current location to trusted contacts by simple gestures like shaking the phone or pressing single button. This app can prove useful for women travelling alone at night for their safety to keep their family/trusted friends alerted. Thus this application will act as Emergency Distress Signal (SOS) during women safety and emergency time.

Keywords: SOS, GPS, ETS, IP, SMS

I. INTRODUCTION

Even in this modern era women are feeling insecure to step out of their house because of increasing crimes in our country like harassment, abuse, violence etc., The corporate and IT sector are currently in boom. Many women are working in corporate even in night shifts. There is a feeling of insecurity among

the working women. The proposed device is more like a safety system in case of emergency. This device can be fitted in a jacket (similar to a blazer for women). It is an easy to carry device with more features and functions. The emergency push button is held to one of the buttons of the jacket. The main purpose of this device is to intimate the parents and police about the current. There are

several applications that reduce the risk of sexual abuse by sending SMS but in our model we also provide an audio circuit which is more useful for physically challenged people. The block diagram of the proposed system is shown in Figure 1. The microcontroller acts as an embedded computing system and it controls the activities of all the subsystems.

II. RELATED WORK

As a part of literature survey, we investigated some applications of women safety that already exist in market. The aim is to observe how these applications work and to see how they can be improved and how are they different. To date it is identified that the following Android Apps of women security are good and are offering relatively similar service.

A. WOMEN'S SECURITY: This app is developed by AppSoftIndia. The key features of the app are: the user has to save some details. These details include: Email address and password of the user, Email address and mobile number of the recipient and a text message. Then, app is loaded as a "widget", so that when the user touches the app, it alerts the recipient. Another key feature of app is that it records the voice of surroundings for about 45 seconds and this recorded voice, text message containing location coordinates of the user is sent to the

recipient mobile number.

B. POLICE NEARBY:

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

C. SCREAM ALARM:

Scream Alarm, an android application developed by Go Pal AppMaker in November.. By clicking this app, it generates a very high-volume scream in times of distress when the lungs of a person fail in screaming in trouble. The generated scream is in a woman's voice is severely helpful in discouraging the potential strong trouble makers. The only work done by this application is whenever the person pushes or touches the application, the phone screams loudly with a woman's voice.

III. PROPOSED WORK

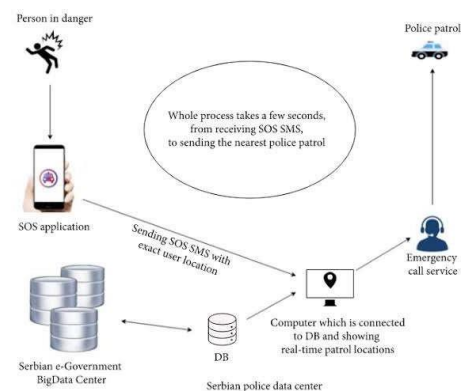
In this proposed system, the user writes the message content and also selects the contacts to which the message has to be sent and save it. So, when he is in some danger by just opening the app and pressing the HELP button, the message stored will be sent to those numbers he has added in this application. So that he can receive the help in correct time.

ADVANTAGES

1. Your loved ones and close friends can automatically receive text message.
 2. Exact time of the alert triggered.
 3. The battery level of your phone.
 4. It monitors the frequent no of shakes in a particular locality or area and marks that particular location as DANGERZONE.
 5. Automatic prompt for activating location.
- Self-defense video for guiding victim, how to remain safe and protect in dangerous situations arising. MODULES Help Button Which is useful for the user when he is in some problem or needs any help when user opens this application, he can see a HELP button. Then send SMS to Register contact nos. Adding Contact Using this module Adding 3 Emergency contacts numbers save

functions are provided on the cellular viewer.

- Supports multiple connections at the same time.
- Different work modes: "view only" and "full control".
- Different display modes: "windowed", "full screen", and "scaled".
- Runs as a service on the NT systems.
- Works through the firewalls and supports DHCP.
- Supports high screen resolutions and color depths. The proposed architecture depicted below shows the exact flow of control of the android application. Here the database acts as a storing media between the two mobile device. The database information i.e., to which database the information has to be sent, the URL of the database is coded itself in the application. From the database, the location coordinates are sent continuously to the registered contacts of the user. Fig.4. Proposed Architecture on Android App for women safety.



adding contact nos. Messages St
IV .CONCLUSION

This paper describes the application, Security Alert that is designed in android platform for safety of women with the aid of recent improvements in mobile technology. In this project to use which is useful for the user when he is in some problem or needs any help. When the user opens this application, he can see a HELP button. Also, he can store a message and 3 contact numbers. When the user is in some difficulty or needs any help button. So, when the user opens this application can see a HELP button. Click that button to send SMS to register user. law enforcement database (e.g., city police control room database) instead of experimental database used here in the project. Also, some further upgrade can be done when the mobile network is not available for the root device and also if the root device is switched off. Thus, this app can help in a big way to rescue the women or men from unsafe conditions.

V. REFERENCES

1. Android Developers, Location APIs.
URL: <http://developer.android.com/g>

[oogle/playservices/location.html](http://play.google.com/store/apps/details?id=com.google.android.gms.location)

2. "WOMEN'S SECURITY", Android App developed by App Soft India, December 17, 2013. <https://play.google.com/store/apps/details?id=com.Zayaninfotech.security&hl=en>

3. "POLICE NEARBY", Android app developed by Big Systems in 2013. <https://play.google.com/store/apps/details?id=com.smoketech.PoliceNearby&hl=en>

4. "SCREAM ALARM", Android app developed by GoPalAppMaker in November, 2013 <https://play.google.com/store/apps/details?id=gopal.appmaker.android.com&hl=en>

Volume 7, Issue 3, May-June-2021 | <http://ijsrcseit.com> Dr. K Srinivas et al Int.

J. Sci. Res. Comput. Sci. Eng. Inf. Technol, May-June - 2021, 7 (3) : 378-386 386

5. Saranya, J.; Selvakumar, J., "Implementation of children tracking system on android mobile terminals," 2013 IEEE International Conference on Communications and Signal Processing (ICCSP), vol., no., pp.961,965, 3-5 April 2013.

6. Android Studio Development Essentials Book by Neil Smith