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AWSM - Android based Women Security System

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ABSTRACT:Current scenario there is the highest priority issue of women security. Government has provided security through rules and regulation to society. There are various aspects, areas and scopes of women security. Recently security concern is the major problem. Women security issue has become most important. Every one very much familiar to all incidents those are happening around us. To improve women security we develop application. This is security providing application. Women security system topic has been chosen by considering so many issues, aspects, areas, need & problems. Whenever somebody is in trouble; they only have to press Button, and message about location alert is sent to registered Emergency Contacts list as SMS and e-mail.

KEYWORDS:AWSM, Android Application, Send message, Women Security, Send Mail.

I.INTRODUCTION

This application is designed to provide security to women with awareness of the critical situation. When you clicking on this message button; service gets activated and send message to this contact which you saved at the time of registration. The message contain your name and your current location in textual format. Along with this a mail with same context and an image captured is also send as attachment to those contacts. This application requires correct information to be filled otherwise this app will not work correctly. This application focuses on providing women a way to inform her contacts about danger in which she is.

II.RELATED WORK

The problem of women security is increased day by day in this environment, so they proposed as an Android application to prevent such type of the suspicious or natural disaster, by alerting the concern authorised persons using the android application phone which helps to stop such type of illegal activates and to trace the concern. In this paper presents an alert system for PROB detection with the help of common commercially available electronic devices to both detect the PROB and alert authorities. We use an Android based smart phone with an integrated tri-axial accelerometers. Data from the accelerometer is evaluated with several threshold based algorithms and position data to determine a PROB. various unfortunate incidents has been taking place in woman's case. Problems may come from any direction such as women walking on the road after the work, going to the super market or many other reasons for which they go alone. The people at home are not sure of their return securely. Another factor is woman die without knowing the reason as they attend excursions and industrial trips conducted by the organisations. It happens due to attacks on woman but not suicides this mobile application is very much helpful for any woman. Because when a woman is in danger position then she simply touch this I Safety mobile app and alert their guardians that the woman is in danger. The simply touching the app it sends a call for the first added guardian number and the sends message that she was in danger and sends the location message to the all saved guardian contacts. Through this mobile app we can alert the people at home that a woman belonging to their house is safe or not.

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III. PROPOSED SYSTEM

The proposed system is especially for women security. Overcomes the disadvantages of existing system this proposed system is ‘An Android Based Women Security System’. The device will provide the buttons whenever women in any kind of trouble she will click button on her android device and also provides the following features-

Features:

- Send Text Message to EMERGENCY CONTACTS provided with location information.
- Send message to whatsapp of EMERGENCY CONTACT provided with location information.
- Send email to EMERGENCY CONTACTS provided with location information and Image Captured.
- Send a recorded message to EMERGENCY CONTACTS on supplementary “Guardian App”.

| Software Feasibility: | Hardware Feasibility: |
|---|---|
| <ul style="list-style-type: none"> • Front End: Android Studio 3.3 • Back End: SQLite • Android OS 5.1 and above. • Java Runtime Support. • Android SDK 7 and above. | <ul style="list-style-type: none"> • Mobile phone with Android OS support. • Processor: QUALCOMM processor and above. • RAM: Minimum 1 GB. • Speed - 1.1 GHz • RAM - 1 GB(min) |

IV. IMPLEMENTATION

The Figure shows the Process flow of the system. Here, user just clicks on a single button and all information about user’s location is sent to User’s predefined emergency contacts.

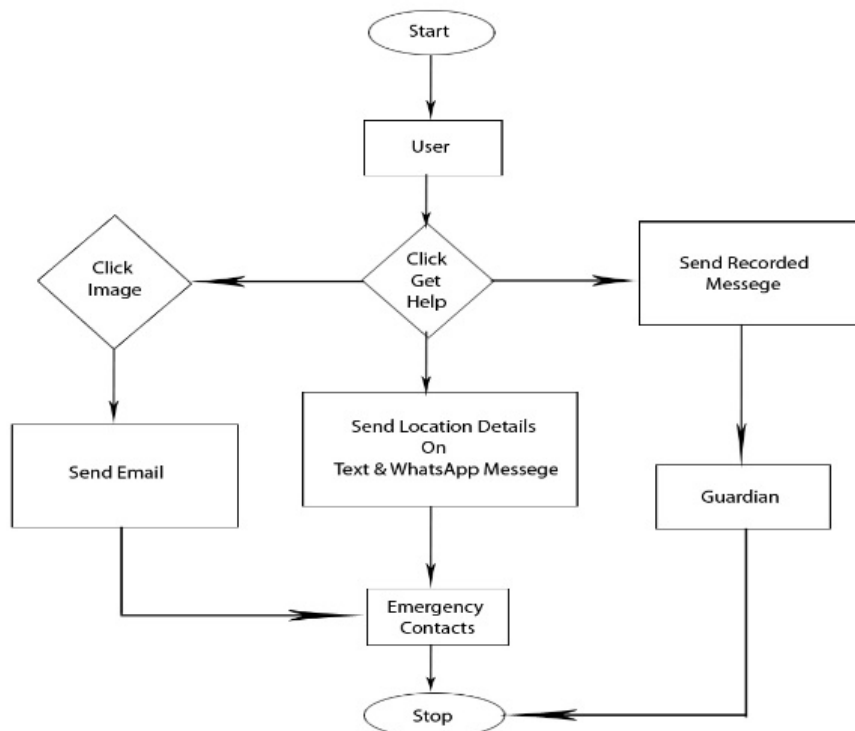


Fig. Process Flow Chart

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V. EXPERIMENTAL RESULTS

Fig. a) Is home form for the application where victim is provided with features like button to click on for help, Profile updating facility, button for siren ring and location button to know about the location .

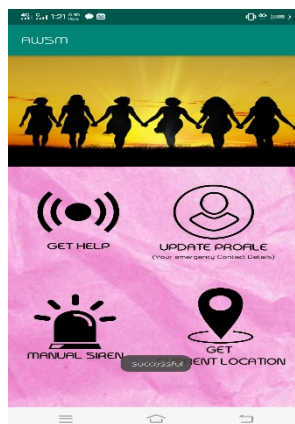


Fig (a)

Fig. b). is a snap of the E-Mail sent to emergency contacts with the location image captured with location in form of textual address.

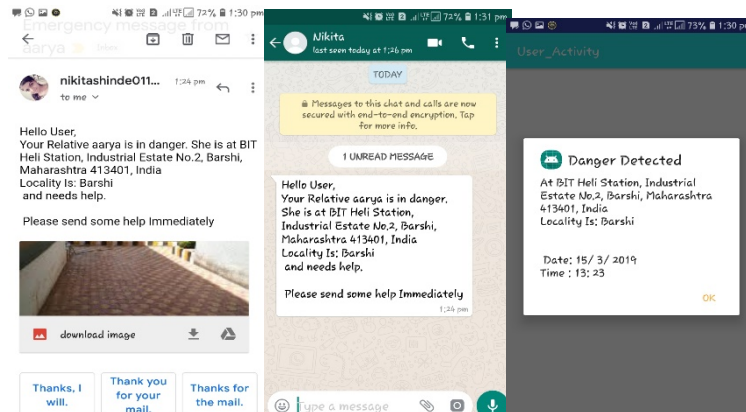


Fig (b)

Fig(c)

Fig (d)

Fig. c) is a snap of the whatsapp message sent to emergency contact with location information in form of textual address. Fig.d) is the snap of Guardian App's form that shows the pop-up dialog of location address that speaks out the address.

VI. CONCLUSION

A system is the Women Security application. That portable to women security application is especially useful for any women. When women feel that we are in emergency situation, for example travelling alone in the Auto/Cab at night time; we can use this application. The text also alerting the emergency contacts by sending the messages with the location. This system can overcome the existing system that scares every woman in the country about her safety and security.

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