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An Android Based Application for Women Security

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Abstract: In today's world, people using smart phones have increased rapidly and hence, a smart phone can be used efficiently for personal security or various other protection purposes. The heinous incident that outraged the entire nation have waken us to go for the safety issues and so a host of new apps have been developed to provide security systems to women via their phones. This paper presents women security an Android Application for the Safety of Women and this app can be activated this app by a shaking the mobile, whenever need arises. This app identifies the location of place through GPS and sends a message comprising this location URL to the registered contacts and also send messages to near by mobile which are having this app.

I. INTRODUCTION

In today's fast moving world, Women Security is an issue of growing concern. We have read about many unfortunate incidents happening with women and the rate is increasing. Women these days are working women and the globalization has made us aware of gender equality. Earlier the women were restricted only to the household chores. With the changing scenario, women are competing with men in all fields. We can see women going to great success levels in all fields, may it be corporate, scientific, education, business or any other field. Safety of women matters a lot whether at home, outside the home or working place. Last few crimes against women especially the case in Delhi was very dread and fearful. Because of such crimes, women safety has become a major topic. According to the statistics, it is found that every two out of three women have suffered trauma in the last year. According to the survey of women, it is found that women are losing their confidence because of such incidents. By the survey of Delhi government's Women and Child Development Department, around 80% of the women in national capital have fear regarding their safety. Women are harassed not only in the night or evening but also in the day time at their home, working places, or other places like street, club, etc. It is found through the survey that the reason of safety concern is the lack of gender-friendly environment and improper functional infrastructure such as consumption of alcohol and drugs in open area, lack of adequate lighting, safe public toilets, sidewalks, lack of effective police service, lack of properly working helpline numbers, etc. A huge percentage of women have no faith that police can curb such harassment cases. There is an urgent need to understand and solve this problem of women safety so that they can also grow equally like men in their own country.

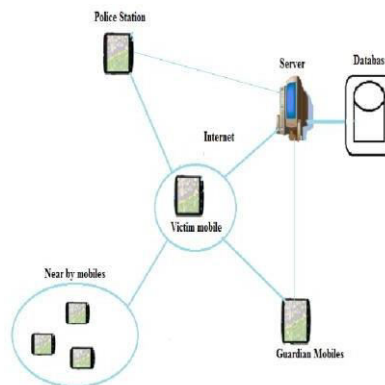
II. EXISTING SYSTEM

There is a variety of applications for women protection when they are in dangerous situation. The disadvantages of using these applications are they only send the alert messages to the saved contacts. Because of previous systems there is less possibilities of overcome the dangerous situations of women. Previous applications also have gps tracking system for to track the women location but it has not specific range. Existing system don't have the feature that is it don't sends the alert message to nearby cell phones.

III. PROPOSED SYSTEM

The proposed system will be implemented with the help of android application. Which will alert the nearby people who having this application by sending alert messages to them and alert sound in the guardian mobile on shaking of victim mobile. Also sends messages and alert sound to the saved contacts in the application and police station. Which also show the location of the victim with the help of GPS tracker system. Which also make sound in guardian mobile when his/her mobile in silent mode.

III. ARCHITECTURAL DESIGN



The system will be implemented as a 3 module application

- **Victim app module**
 1. Initially the victim app need to be installed in the mobile.
 2. Then victim should enrol her ID, Name, Phone number.
 3. And then click on register button.
 4. Then it display registered successfully.
 5. If that mobile number is already registered it will display this number is already registered.

- **Guardian app module**
 1. Initially the guardian app need to be installed in the mobile.
 2. Guardian should enroll their phone numbers.
 3. And click on register button.

 4. Then it display registered successfully.
 5. If that mobile number is already registered it will display this number is already registered.
- **Server module**
 1. After installation of guardian app and victim app two tables are created in server model.
 2. Two tables are victim table and guardian table.
 3. Victim table contain five columns VID, VNAME, PHONE -NUMBER, LATITUDE, LONGITUDE.
 4. Guardian table contains three columns PHONE NUMBER, LATITUDE, LONGITUDE.

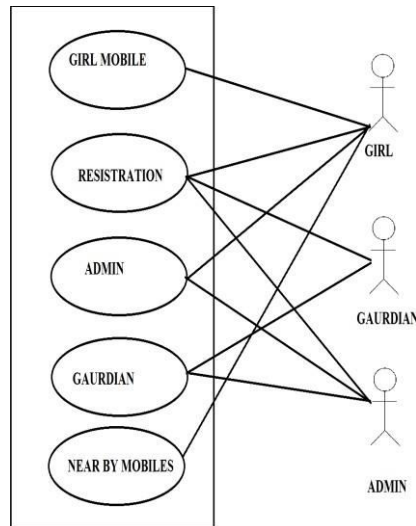
IV. USE CASE REALIZATIONS

A Use case is a description of set of sequence of actions graphically it is rendered as an ellipse with solid line including only its name. Use case diagram is a behavioural diagram that shows a set of use cases and actors and their relationship. It is an association between the use cases and actors. An actor represents a real-world object.

Use case diagram consists mainly three modules

- Guardian app which is installed in the guardian mobile. and initiated by giving there mobile number.
- Girl app which is installed in the girls mobile. and initiated by giving girls name, id, mobile number.

- Server login module which consists data of guardian location information



ADVANTAGES

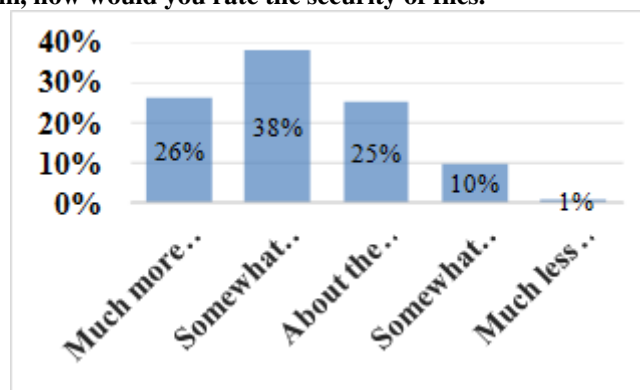
- This system plays a sound if the guardian cell in silent mode.
- This system will send message to the all nearby cells which having that application.
- This system also send message to police station

V. RESULT

Comparing to existing computerized system, our system is gives more security and also System gives better user friendly environment for the users.

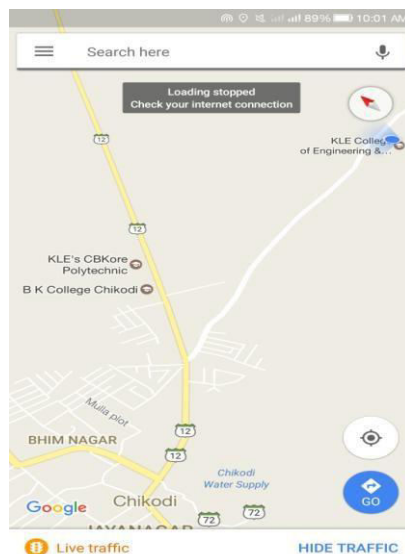
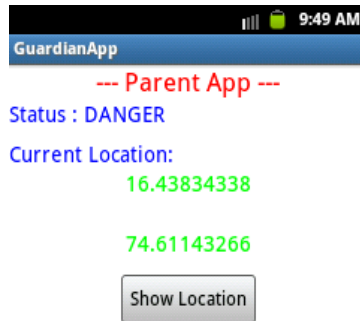
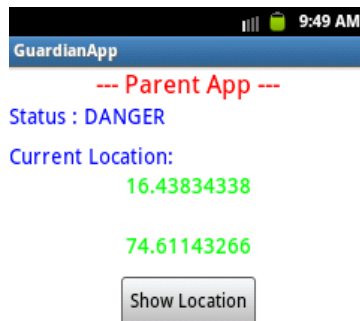
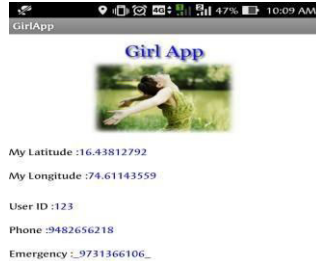
- When she shakes the mobile This system will sends message to the all nearby cells which having that application.
- Plays a sound if the guardian cell in silent mode. This system also send message to police station.
- Also our system sends alert message to police station.

Compared to existing system, how would you rate the security of files.





SNAPSHOTS



VI. SCOPE

As an independent nation, we must ensure respect and security of women and we cannot deny them this basic right. It is now time to initiate action to eradicate the menace of security issues with women. Violence against women remains embedded in our societies, both as a daily reality and a difficult situations .Gender justice is impossible in a world where at least one in three women faces violence in her lifetime, regardless of her culture, religion, socioeconomic class, or education level Our country can be a true democracy only when **all** women have the security and freedom from violence.

VII. CONCLUSION

This is the “Android Application for women security system” which is very useful application mainly for girl’s safety. We can send our location to our family members and police stations by shaking mobile. Also system send messages to nearby peoples who are all having this app. Overall system works for the safety of the women.

VIII. ACKNOWLEDGEMENT

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