EFFICIENT SECURITY FORTRESS APP

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ABSTRACT

Android application Place against attack - the act of strengthen security, used for the security purpose of the women, it is not only used for the women security purpose but also in the intention to safe guard the people who faces the tremendous situations like harassment and all. This app is developed using the android based technology and the new technologies are used in this application. When the person in trouble then they cannot inform their guardian immediately or the situation may be very dangerous so in that scenario they can make use of this app. They just have to shake their smart phone by using this app and then the alert message is automatically sent to their guardian, before that the user has to save the two emergency contact number in the IOT app and the valid email id of the person who they wish to send the information. These have to be done when the app is installed. Then the other stuffs are handled by the guardian device using their application in their smart phone. In the victim device the victim person can give two emergency contact number of their guardian. In this app the guardian can find the victim device location, photo, and also they can track that device and also can see the nearest police station of the victim device within the surrounding of 5KM range.

Keywords: Android application, Google Maps, IOT and Mobile Device Applications.
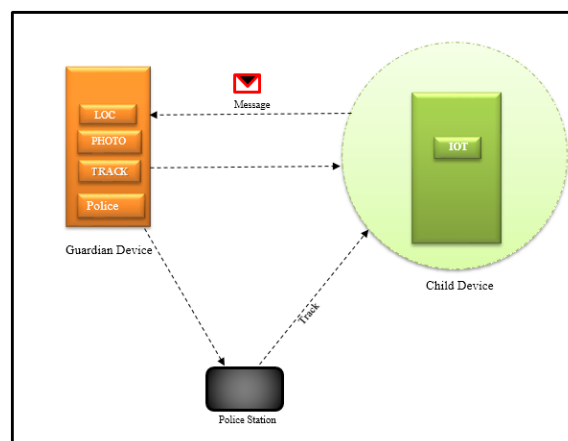
I. INTRODUCTION

This Fortifying Security application is developed for the security purpose of girls, not only girls but it is also useful for other people who work out of station whenever someone in trouble they don't have to get confused and find other way to get ride off. They may not have so much time to search contacts in there and all. They just have to do is shake the smart phone above the threshold value. A VT is played in the guardian's device. Even though if the guardian mobile is in silent mode it will not affect the any changes in it. Once the application has been started the alert tone will ring in the parent device. Through parent device they can track the victim device. If necessary parent can complaint to the police station. In this application police station should also have this application in their smart phone. If the parent complaints to the police station police will track the victim devices and search for the nearest police station and immediately inform to that police station.

If guardian want to find where their children are in trouble this application helps them to receive SMS and their current location as well as some photographs. It will respond with the location every 5 minute once, which is stored and gets connected with the Google maps using GPRS and plot the route in live. If the user does not respond, the system alerts pre-specified social contacts with an informational message via SMS. If a contact responds the system commits an audible notification, automatically connects, and enables the speakerphone. If a social contact confirms a problem, an appropriate emergency service is alerted. Our system provides a realizable, cost effective solution to problem detection using a simple graphical interface while not overwhelming the user with uncomfortable sensors. This application needs the internet connection to access the location as well as photo and to track the nearest police station. Both guardian and the child device need the internet connection to get start this application. Further the child device may not require the internet connection to send or receive the request from the guardian's device. When the guardian sends the request to the child device the child device may not have to replay rather the request is automatically accepted and the message is directly sent without asking any permission of the child device. The only thing all it require the internet facility, if it works in 3G speed it is well and good to track the location of the victim very quickly and also avoid the upcoming problem that the victim faces.

II. SYSTEM ARCHITECTURE

Architectural design is a process of reducing the complexity of the diagram into smaller component so that a common man without the knowledge of this particular subject can easily understand its criteria. The main intension of designing the architecture is to provide clarity to the users as well as the others who take advantage over it. Architecture is just a pictorial representation of the concerned application. These are the main components of this application that plays a very important role in this scenario. It is briefly explained as follow. When the application gets started by shaking the android phone to some threshold in any direction the devices is automatically started up. When this happens then the alert message is sent to the guardian device. Then parents can track the Location of the Victim device

III. PROPOSED METHOD

In this proposed system once the application has been stated, later the concerned person's mobile gets switched off it will not affect for tracking the location of that particular person. And also guardian has an option to complaint to the police station through this app itself. Later on the police can also track the exact location through his application. i) This app is going to search all nearest police station and select very nearest one among them around 5km range. ii) It will automatically send the location to their guardians for every 2min through mail. iii) It will capture some pictures automatically and sends to the respected mail ID. iv) It can also record some audio clips and send that particular audio to their guardians.

IV. CONCLUSION

This application helps the users in many other ways to secure or fortress the victim person. This app is very essential in present environment of our society. The "I fortress" app is helpful, especially for women and children who works in the out station. This app is not only for women but also it is useful for the people who travel old age person and also for the girls. In this application the victim person has to just shake the device for some threshold, after shaking the device the guardian device will get the alert notification. Later the child device is nothing to do any kind of stuff rather the guardian device just need to do with this application. The guardian just need to select the options that they want that is if the guardian want the photo of the victim one, the thing guardian need to do is to click on the photo button then the photo is automatically clicked and sent to the guardian's mail id. The entire thing are done automatically, the child device does not have anything once it shakes the device.

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