Android Attack Application

Arsha Saini K H[#], Raisy K Kakkassery[#], Reshma K R [#], Sreekutty K [#], Thasneem R K[#], Navya Davis[*]

[#]*University Of Calicut,Computer Science Department,I E S College Of Engineering*
Chittilappilly P.O,Thrissur,Kerala-680 551,India

[*]*Assistant Professor, University Of Calicut,Computer Science Department,I E S College Of Engineering*
Chittilappilly P.O,Thrissur,Kerala-680 551,India

Abstract— All human on this world is working hard for a congenial living and wants to prophylactic his investment that he has made in his habitual work. Ultimately, at the end of the day we all seek for security of life and our belongings. The question is we really safe? Sex misconduct involving women and children have occurred due to being recorded illegally. Victims˝ growth are bust through the similar technology that should have been used to make people feel safe. There should be some technique which can help the person from hazards. So we have to propose Android Attack Application, an intelligent alerts system which will help to avoid from being prey of any kind of attack. If victims feels unsafe and helpless at any time then by pressing any key of her mobile contiguously the alert message is send to family members, Ambulance, police control room, Friends which are in emergency list that alert message will contains victims entire location, place, images and video of that location which are taken by camera of her mobile. This app will helps victims to stay away from enemy forces and it also helps to police to reach that place as fast as available for bring help to prey and save her from attack.

Keywords — *GPS Terminology, Audio Recording, GPS, Audio recorder*

I. INTRODUCTION

Women are capable at mobilizing various groups for a frequent genesis. They often work across ethnic, nervous, arrogant, and intellectual divides to encourage collectedness. We are all aware of importance of women's safety, but we must identify that they should be well sheltered. Compared to men women's are not physically powerful, in emergency situation a helping hand would be a comfortable for them. The optimal way to decrease your chances of becoming a sufferer of violent crime (robbery, domestic violence, sexual assault) is to identify and call on resources to help you from unsecure situations. Whether you're in trouble or get separated from friends during a night out and don't know how to get home, having these apps on your phone can minimize your peril and bring assistance when you need it. Even if several were conventionally flourished for students to minimize the risk of physical attacks on schools, colleges, they are also suitable for all women. The recent violence in Delhi rape tremble the nation and awake us to the safety issues for our female offspring, public are gearing upbeat in different ways to fight back. A swarm of new apps have been developed to provide immunity systems to women on their phones. Here we introduce an app which ensures the security of all the women. This decrease risk and brings assistance when we need it and help us to identify location of the victim who is in danger. We put forward an app since it have some key features which variety it from others are as follows: 1) First user should extricate some details. These details subsist of: contact numbers of friends, family etc. Send the Text Message to the recipient. 2) A finger touch is enough to alert your recipient because initialize this app as a "widget" 3) it will record voice in the surroundings for 45 seconds and t save this recording. The current position of victim (longitude and latitude) also included in this app. Android is the first truly open software, it is the platform for mobile devices, it's a exhaustive software to run a mobile phone but without the proprietary obstacles that have stuck mobile modernization. The idea originated from Android-Mobile Application Development. Android provides a rich application framework that allows you to build inventive apps and games for mobile devices in a Java language environment. The documents listed in the left exploration make adequate details about how to build apps using Android's various APIs. There are lots of technologies and the process presented with importunity such to actualizes a base point for succeeding evolution of Android-based hardware with the tracing, inputting functions built in it.

II. LITERATURE REVIEW

This section gives detailed study on various applications for women safety. There are numerous applications exist for women security which help women from physical hazards and sexual abuse . Here we have a relative study on different security methods.

Dongare Uma[1] , Vyavahare Vishaka[2] ,Raut Ravina[3] , Badgujar Rinku[4]. [1] Application for Women Safety Based on Voice Recognition. One in which, voice keywords is set for activation of the system. System recognizes the voice of the user. After system become activate, it need a GPS or WI-FI to track the location message of the user and send that area information. An emergency signal is sent to people who are selected by the mobile user as a message and it will

get activated even if mobile keypad is locked. The current women safety applications in market have to push the button to send message. It is difficult to press button in critical situation when keypad is locked. This paper deals with recognizing voice change into text to send message. Message consists of GPS location information of the user.

This application helps the tracking of the root device through GPS which will help the law enforcement authorities to rescue the person in danger as quickly as possible from the disruptive component. For future materialization, this appliance can be integrated with the law implementation database (eg: city police control room database) rather than experimental database used 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.

P Satheesh et al. [4] The system which we implemented is only a prototype as an initiative step towards women safety in public places. Intelligent security system for women is a surveillance system aimed to ensure the safety of women in public places. This real time image processing system makes use of random movement analysis and facial expression recognition by feature point extraction using MATLAB for ensuring the safety. Upon detecting violence situation the system will sent a message to the control room. Our project has been developed with such a motivation that the women are provide with safe environment under all circumstances. Implementation of this real time monitoring device can solve the problem to an extent. This device makes sure the safety of women in our public transport system and other public environment.

Global Positioning System (GPS) technology for searching out the vehicle. The car Unit is placed inside the car. He/she needs to swap the RFID card. When the car came,   sends the employee's id, cab id & the cab position co-ordinates to the company unit via GSM module. He/she will press the button If employee in a problem,. Microcontroller will detect the action & sends a signal to the GSM which will coordinate with to the company unit and police. The GSM Modem will receive the message. This message will then be transferred to the computer through the serial port. The employee name, employee id & cab position coordinates (longitude and latitude) get displayed on computer. Once the data is obtained on the computer, it can be used for further analysis. others.

PROPOSED SYSTEM

Our proposed system is an attack android application. It is designed for who comes under attack. They would press a button on their phone and it will convene their current area and start recording a 5 second video with sound. It will then spontaneously issue the area and video straight to the police or friend. Android Attack application is a big application built for android handheld devices. It is an android application that avails of camera, SMS ,email ,contacts , GPS location . It route videos to a current area co-ordinates for use by police or friends. Pursuit is the phase of the project when the hypothetical design is hopped up into a working system. Thus it can be considered to be the most dangerous stage in achieving an effective new system and in giving the user, confidence that the new system will work and be effective. The execution stage involves careful outlining, inspection of the existing system and it's constraints on execution, designing of methods to achieve changeover and evaluation of change over methods.

A. GPS System

GPS the Global Positioning System is used to get the longitude and latitude details of the user's location. A GPS receiver aware the location of the satellites by approximated how far away a satellite is, the receiver also distinguish it is located elsewhere on the exterior of an imaginary sphere centered at the satellite. It then actuate the magnitude of several spheres, one for each satellite and therefore realize the receiver is located and where these spheres intercross. GPS is a System , it constitute of three parts: satellites, earth stations, and   receivers. Satellites behaves like the stars in assemblage. We know where they are take for granted to be at any accustomed time. The ground stations avail radar to brew sure that they are absolutely where we contemplate they are. A receiver, may catch your mobile phone is constantly auscultate for a signal from these satellites. The receiver figures out how many distance they are from some of them. Once the receiver determines its distance from more than four satellites located in the ground, it finds faultlessly where you are. From miles up in space your location on the ground can be determined with outlandish preciseness! They can usually determine where you are within a few yards of your actual location.

B. DB Contacts

At first user of "ANDROID ATTACK APPLICATION" should save some details. These details consist of: contact numbers of friends, family etc. Send the Text Message to the recipient. If victims feels unsafe and defenceless at any time then by pressing any key of her mobile deliberately the alert message is send to nearest police control room, family, Ambulance, Friends which are in necessity list. That alert message will contains the entire location of that victims place, and images of that area which are taken by camera of her mobile.

C. Audio And Video Record

It includes recording of audio and video for 2 seconds. These function are done by the audio/video facilities of the users mobile and it is stored in the phone itself. Which can be used to get data about the atrocity or incident in future.

D. Power Button

Power button is used to activate the SALUS app. by pressing power button of mobile deliberately the alert message is send to the contacts in the emergency contact list
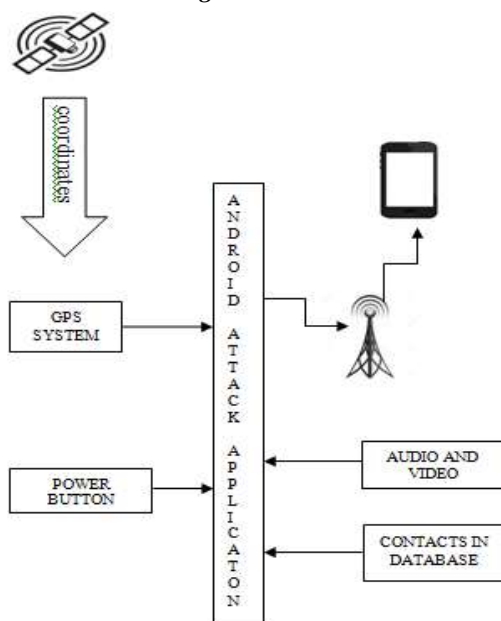
E. Architectural design

Figure 1 Architectural design of proposed system

The figure 1 shows architectural design of Android Attack Application which is focused on safety of all human beings. The intention or motivation behind the development of such a mobile application is to provide security to at any time as there are a lot of crime against human is happening day by day. The key requirement of this application is the GPS system. The main feature of this app that can be opened or activated very easily. The first thing that the user want to do is to save the contacts that victim would like to contact at the time of emergency. This list of contacts will be using to forward the alert messages and location details. Power button is used by this application to get activated at the time of need. By pressing power button continuously, app is initialized as a "widget", so that a finger touch is enough to alert your recipient. GPS is used to get the location details of the user. Audio and video recording is provided to enhance the safety by recording the audio/video for a duration of 2 seconds and it can be used as a proof for the victim in future.

III. CONCLUSIONS

The proposed system is designed to overcome all the drawbacks of the present system and to provide a better solution to provide human security. The preliminary experiments showed that our proposed systems will be able to identify insecure environments. . Thus it can be deliberated to be the most dangerous stage in realizing a effective new system and in giving the user, confidence that the new system will work and be effective. The execution phase includes cautious outlining, inspection of the existing system and it's constraints on execution, designing of methods to reach changeover and evaluation of change over methods. It is our hope that the project will protect all human beings from those who would commit such despicable crimes.

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