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Women Safety Application

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ABSTRACT:In the previous five decades, the use of GPS-equipped Smartphones has grown rapidly from 3% to more than 20%. A smartphones can therefore be used effectively, particularly for females, for personal security or other security purposes. Survey, a personal security framework optimized for digital devices, is included in this article. User will trigger this program by one click when you feel that it is in danger. Such program alerts the consumer in the form of a notification increasing few seconds of the position of the recorded contacts. It works like a watchman behind the individual until the consumer feels safe. In addition to the user's position, one of the recorded contacts is numbered, the main features of this program. In fact, the reported interactions and GPS location are stored in a database from time to time. The main characteristics of the program are: the consumer must save all details. Such records include: user's e-mail and password, e-mail address and user mobile phone number.

KEYWORDS:Smart Phone, Android, Registered Contacts, GPS location, Database

I. INTRODUCTION

In the world today, driving alone at night is not free, especially women in general, even though a man's wife is not strong enough to protect her from them. It will be high time to visit alone. The way to lessen the risks of becoming victim of violence is to recognize and rely upon sources to help you out from precarious circumstances (robbery, sexual assault, rape and domestic violence). Whether you're experiencing immediate trouble or are separated from friends at night and can't get home, these apps on your phone can reduce our risk and offer help when needed. In this text you can find Sauver, a mobile program running on Ios.

Sauver is an English word that means fleeing, protecting, saving, restoring, redeeming, and in Se Sauver's word, it means escaping, running away from danger. Their goal in designing this application is to provide women with a safe environment via mobile, as most people today carry smart phones everywhere. The Nirbhaya tragedy in Delhi has of course made regulation difficult for the government, although the rate of sexual abuse is not decreasing in India.

This paper examined certain applications of safety for women that exist on the market as part of the literature survey. The goal is to look at the operation and development of these systems and how they vary. The following Android women's protection applications are currently found to be successful and provide relatively similar support. AppSoftIndia creates this app. The main characteristics of the program are that the consumer has to save those information. The following details: email address and user password, email address and recipient mobile number and a text message. The device is then activated as a "plugin," which warns the user if the user hits the app. Another major feature of the device is that it tracks the background speech for about 45 seconds and sends a text message to the mobile number of the receiver containing the address of the consumer.

"Never travel alone" is the slogan of the device. The app helps the user create a team of 'guardians' and when the user is in distress, SOS notifications are sent. One of the guardians will also be named another positive function of this device. The SOS message also offers user positioning through GPS. The app can also use the GPS tracker to alert friends at any time about the location. The privacy software is packed with apps such as GPS tracking, priority, big contact numbers, safety instructions, unsafe and stable pins and a protection ranking. It guides outstanding women's protection programs in advance, and it offers a number of features to help plan and win the ball back local spots. When someone moves to a new place that they do not know about, and wants to know the safe areas, this feature will be very helpful for the



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consumer to see a map and the protection. The person can also choose the things he or she is concerned about and can think about the threats of danger in the region and can then finally take protective steps[1]–[8]. The security nearby scanning smartphone app is designed to connect residents and pupils to their nearest government buildings in the town with just one click and allows the city to interact even more on the Smartphone Smartphones. This software is created by Big Systems in 2013. Any local, State or school departments, College Police and other law enforcement agencies may use the Android App Police Scanner to provide improved services and to improve communication. The nearby police software can be accessed free without registering. Scream Alarm, an Android app created in November 2013 by Go Pal AppMaker. When a person's ears struggle to yell in pain, it causes a very high frequency shout when a discomfort occurs. The shouting created by a woman is very helpful to deter possible troublemakers. The only thing this application does is to yell briskly with a woman's voice whenever the user presses or hits the document. Fast updates may also be sent to a selected group of contacts. Even without a GPS on the user's device, the software allows the user to recognize where the car is. The positioning is GPS-controlled. In order that alert can be triggered quickly and the consumer can be easily identified after receipt of an SMS, Tellytail is an interface which is always running in the mobile context. The software is targeted for iOS device only and runs on iPhone only. Such program can be used by people of every age group such as schoolchildren, working women, etc. in times of trouble, alerting their peers of threatening texts. While tapping the device two times, one of the three default text messages is sent to the six contacts that we chose; it also provides a call for help and charts the user's precise location and sends this address. Some of the applications are operating on Linux, Windows, IOS, some of which operate only on the Ios or Windows systems. Nevertheless, this Saucer program is planned for android only, but can also be expanded into Windows and IOS systems in future. Android is an open source framework which has been developed using the free Linux kernel to encourage developers to create interesting mobile applications that will support the phone offerings. Android builds and utilizes a virtual machine to manage mobile device memory and hardware capital. Android can be easily extended to incorporate advanced technology when it is evolving. The Android Platform will always be built as a developer community to build creative mobile applications[9]–[14].

II. METHODOLOGY

Track device track via multiple functions. The application uses GPS to identify the issue person, using a database in which the instructions for transmitting the request are recorded and the relevant information is kept, such as GPS coordinates. The three modules are listed below in table 1.

Table.1: The Table portrays Various Modules

First module can be the victim's phone which uses GPS tracking application and also GPRS for Sending information of the location to the database continuously.
Second module can be the database in which the contact details like police control room, family, Friends etc. are saved.
Third module can be the mobile phone of friends or family or police to which the information of GPS coordinates will be sent. d) By making a finger touch on the app, initially it identifies the location of the user through Global Positioning System (GPS). Then, it sends the latitude and longitude co-ordinates of the user's location to the database continuously within a time interval of thirty seconds.

The accompanying block diagram shows the actual flow of the android device function. There, the folder serves as a medium for holding mobile devices for two. The data base details, e.g. to which the material must be sent, is identified in the specification by the URL of the repository. The location latitude and longitude are continually sent from the

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computer system to the user's listed contacts. In fact, one of the recorded contacts will be named. Block Diagram for the Proposed System is illustrated in figure 1.

The other advantage of this program is that one of the clients is named so that they can be made aware if they do not remember the SMS. After the program has launched, as we have configured the device as a connection to be named, the biggest benefit of this software is that it allows the consumer to choose network or Skype. If we have selected Skype then live video communication can also be sent via this program to the chosen contact.

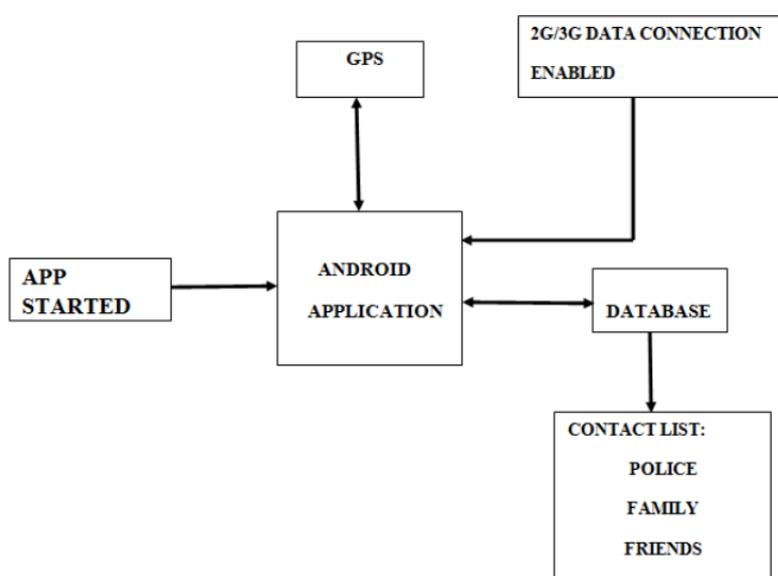


Figure 1 Block Diagram for the Proposed System

The working of the proposed application is divided into three major sections. They are described as follows in table 2.

Table.2: Sections of Proposed Systems

1.	Initially, when we touch the application a list view of contact details and a grid layout of three buttons save, close, start will be appeared. In this section, the contacts who will respond immediately must be saved like family, friends or police.
2.	When we click start button, the GPS information (the GPS information can be in the form of latitude and longitude co-ordinates of the user's location or in the form of URL which leads to the location of the person through any stock map application in the likes of third party application like Google, Nokia etc) is sent to the database continuously for an interval of every thirty
3.	This section describes the primary working of the database. The information that is sent to the database is in turn sent to the registered contacts continuously. The purpose of the database is it can continuously track the location of the user since the user's location information is continuously sent in a periodic interval of thirty seconds.



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III. RESULTS

The test results of the three parts listed are presented with snap or snapshots from the root system and communication device in different intervals of time. The root system here is the computer that begins the rescue application; it indicates the device of the customer. The communication computer is the system to which knowledge about the user's position is continuously submitted. To mount an application on the mobile phone, "allow non-market applications over the computer to operate on," as shown in Figure 2, first of all in the settings. The device's settings are shown in Figure 2 so that an app is enabled on the system only by inserting a green check via the above icon.

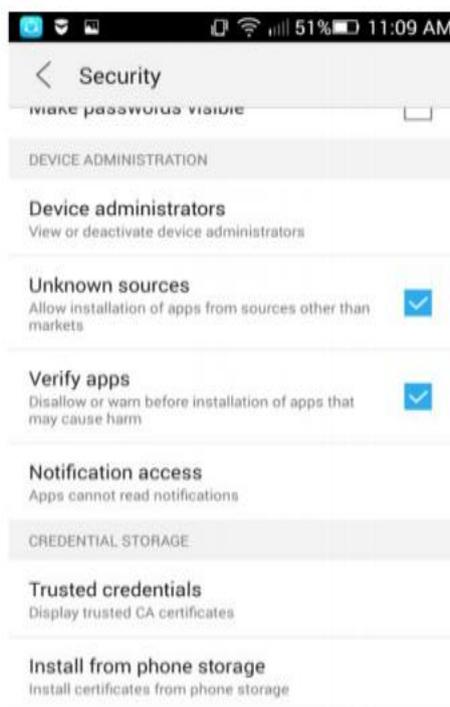


Fig.2: The Figure Shows the Setting of the module

The device icon could be placed everywhere on the smartphone's home screen so that we can reach the app in threat automatically. The corresponding screen shown in Figure 3 will display when the program is mounted on the smartphone for the first time. The list view of contact details and button grid configurations is shown in Figure 3: open, near, and continue. After the contact details are registered, press the save icon, or addresses are not preserved. The contact details must be stored in the form. Once the contact details are saved, click on the closing button to leave the document and click on the start screen to start immediately.



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Fig.3: Layout of the APP Immediately After Installation

IV. CONCLUSION

This paper describes “Sauver” which, thanks to the recent developments in mobile technology, is optimized for women's safety in android platforms. The application supports the monitoring of the root device using GPS and allows the police to rescue the dangerous person from anti-social elements as soon as possible. For further development, instead of using the conceptual databases used here in the study, the program can be merged with a homeland security database (e.g. the city police control database). Further upgrades can also be carried out if the wireless network for the root device is not obtainable and if the root device is off. The device can therefore greatly help women or men to avoid unsafe conditions.

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