Women Safety Application

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Abstract*: Safety Application 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 hastaken 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 Android Application for the Safety of Women and this app can be activated this app by a single click, whenever need arises. A single click on this app identifies the location of place through GPS and sends a message comprising this location URL to the registered contacts and also call on the first registered contact to help the one in dangerous situations. The unique feature of this application is to send the message to the registered contacts continuously for every five minutes until the "stop" button in the application is clicked. Continuous location tracking information via SMS helps to find the location of the victim quickly and can be rescued safely.*

Keywords: Android, GPS, URL, Registered Contacts

I. INTRODUCTION

Women square measure accomplished at mobilizing varied groups for frequent causes. They sometimes work across racial, sacred, opinionative, and intellectual divides to encourage tranquility. However, we tend to tend to ought to acknowledge that they have to be secured. a woman isn't loads of powerful than men physically throughout a crisis and wishes help to alleviate them. The foremost effective because of minimize the chances of fixing into a victim of a violent crime (robbery, statutory offence, rape, domestic violence). is to identify and switch resources to help you out of dangerous things. Whether or not you're in instant hassle or got separated from friends throughout the night and don't acumen to induce home, having this app on your phone can diminish your risk and manufacture facilitate once you wish it. Inside the light-weight of recent outrage during a metropolis, Hyderabad, Unnao, that barrel the state and woke North yankee country to the protection issues for our daughters, the general public is mechanical device upbeat in many ways that during which to fight back. These women's protection application is supposed to forestall crimes like associate degree assault against seizure and stalking. A report compiled by the world Health Organization in 2013 expressed that 35 you look after ladies worldwide had been victims of sexual violence. The National Crime Records Bureau of Asian nation reported that a woman is maltreated each three minutes. The police cannot facilitate, as data relating to the crime doesn't reach them in time, if at all. With the number of criminal acts towards ladies increasing at such Associate in appalling Nursing rate, it's evident that a method is required from the technical community to ameliorate matter.: In our Country, even though it has super power and an economic development, but still there are many crimes against women. The atrocities against the women can be brought to an end with the help of our product "FEMME". This device is a security system, specially designed for women in distress. Method/Analysis: Using ARM controller for the hardware device is the most efficient and it consumes less power. We use radio frequency signal detector to detect hidden cameras. Findings: We analysed that there are no security device for our total safety. The user has to carry multiple devices. We found an ALL-IN-ONE security device which has all the features in one click. Applications/Improvements: In this paper we used ARM controller and android application in which both the device and the smart phone are synchronized using Bluetooth, hence both can be triggered independently. We can record audio for further investigation and can give an alert call and message to the pre-set contacts with the instant location every 2

minutes and can be tracked live using our application. Hidden camera detector is also a distinct feature using which we can ensure our privacy.

II. LITERATURE SURVEY

Paper 1 Topic: A Mobile Application for Women's Safety: WoSApp Author: Dhruv Chand, Sunil Nayak, Karthik Bhat, Shivani Parikh, Yuvraj Singh, AmitaAjith Kamath Year: 2015 This paper introduces a mobile application known as WoSApp (Women's Safety App) that gives ladies with a reliable thanks to place associate emergency decision to the police. The user will quickly and discreetly trigger the vocation perform by shaking her phone or by expressly interacting with the application's program via a straightforward press of a push button on the screen. A message containing the geographical location of the user, additionally as contact details of a pre- selected list of emergency contacts, is instantly sent to the police. This paper describes the applying, its development, and its technical implementation.

Paper 2 Topic: M-WPS: Mobile-based ladies Protection System Author: Vallidevi Krishnamurthy, Saranya. S, Sharanya Srikanth, Simran Modi. Year: 2015 A hands-free and internet-free automaton applications to assist ladies throughout threatening things has been developed. the assistance request containing the user's (woman in danger) GPS coordinates are then forwarded to a network of emergency contacts and police management rooms via SMS. In contrast to most mobile applications offered within the market, a voice-triggered alarm permits the user to need facilitate quickly. As future work, the applying may be enforced on different mobile platforms like iOS and Windows for a wider reach. tho' the applying is primarily meant for ladies, it's not restricted completely for them and may be utilized by males, females, and children alike.

Paper 3 Topic: Abhaya: associate automaton app for the security of girls Author: Ravi Sekharyarrabothu, bramarambikaThota department of ECE vig- nan's university Year: 2015 This paper presents Abhaya, associate automaton Application for the security of girls, and this app may be activated by one click whenever the requirement arises. one click on this app identifies the place's location through GPS. It sends a message comprising this location uniform resource locator to the registered contacts and calls on the primary registered contact to assist in dangerous things. The distinctive feature of this application is to send the message to the registered contacts ceaselessly for each 5 minutes till the "stop" button within the application is clicked. Continuous location trailing info via SMS helps realize the victim's location quickly and may be saved safely.

Paper 4 Topic: Survey on women's safety mobile app development Author: Pavitra, Karthikeyan physics, and communications engineering PSNA School of engineering and technology Dindigul. Year: 2015 The transportable application assumes a vital half everywhere the globe. to create up a conveyable application given the EPC stage. it's utilized to send a gift space through SMS. it's effectively adjustable. The client's requirement adds specific functionalities. It offers a assured and safe condition framework once contrasted and alternate advancements. the popular position is, it inclines that it will consequently send SMS notices and demonstrate the current space of the individual on the Google delineate. it'll diminish wrongdoings against ladies.

III. METHODOLOGY

The basic aim of the system is to develop a low cost solution for GPS based women tracking system which can be applied to various domains of the industrial and personal use just by using the very common mean i.e. Mobile with android enabled. The main objective of the system is to track the person which has an android enabled mobile by extracting the longitude and latitude of that target person. The primary objective of our system is to track the person and plot of the location on real time system like Google map

Functionality
 • Scream Alarm
 • Fake Call Timer
 • Where Are you
 • Track Me
 • Friends List

Settings :The "Settings "function consists of the following features
• Emergency Services
• Low Battery Alert
• Set Scream Sound
• Fake Call Time(on Long passetc.

Hardware Requirements
External Interface Requirements (Software Requirement)
Operating System - Andriod API – 14or higher
GPS enabledAndriod Phone (Hardware Requiremwnt)
Processor: Snapdragon ,Dual
Core Memory Space : 50Mb RAM : 512 MB

Role of Women Safety App
- The proposed App is based on advanced sensors. Each time a user marks a phone call, an emergency signal will be generated automatically and then an information alert will be sent to the contacts that have been added to the emergency call.
- Low-battery alarm: when the user's battery will be less than 10% , low battery alert will be sent to the emergency contact.
- It consists of a GPS device, an Android phone. The unit will provide status information such as latitude, the longitude of the user
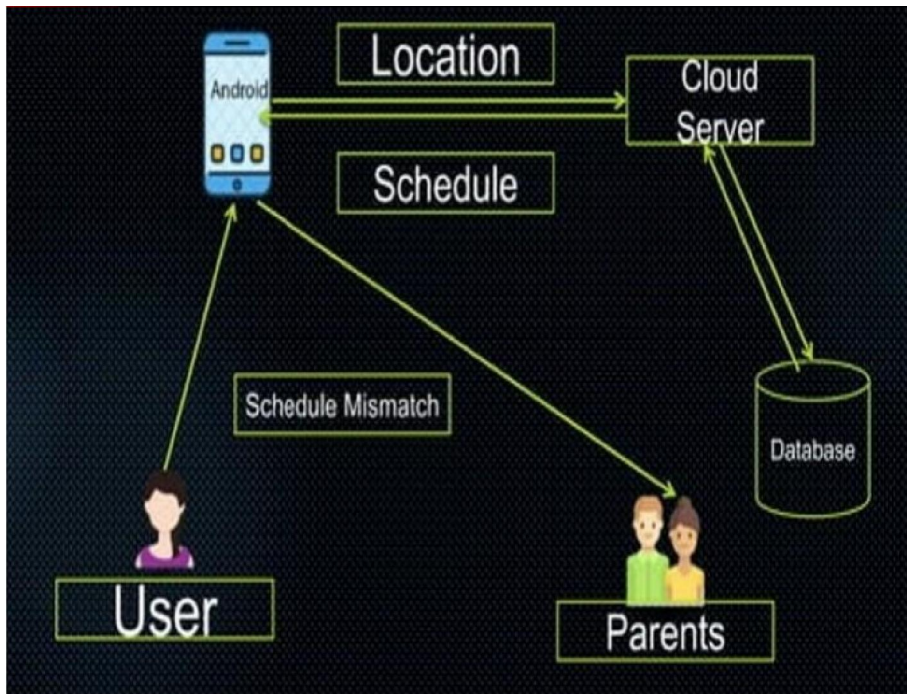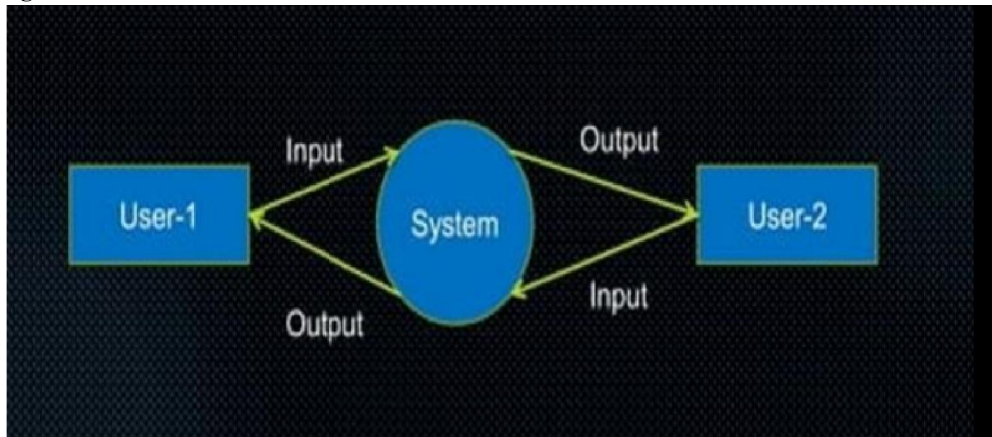

Fig. 1.System Diagram
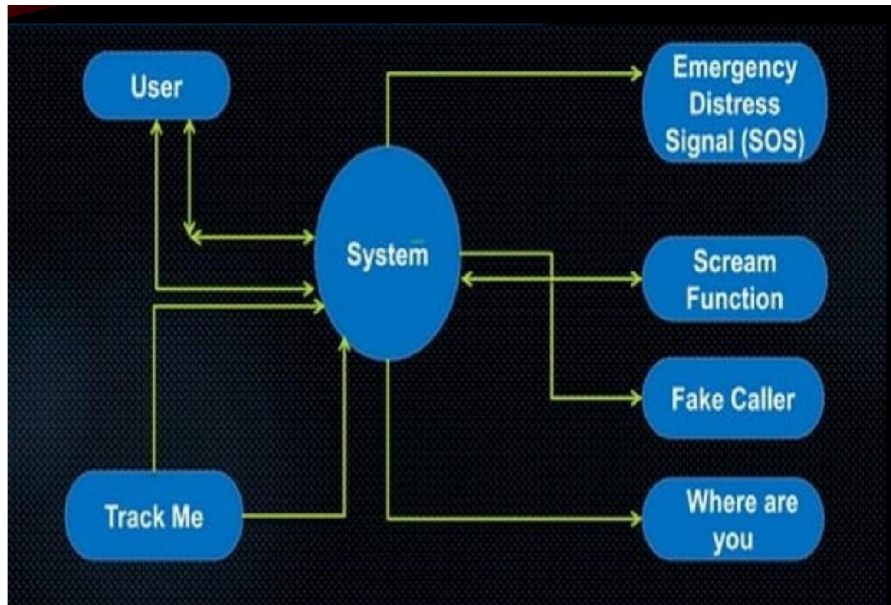
System Diagram

Fig. 2. System Diagram0

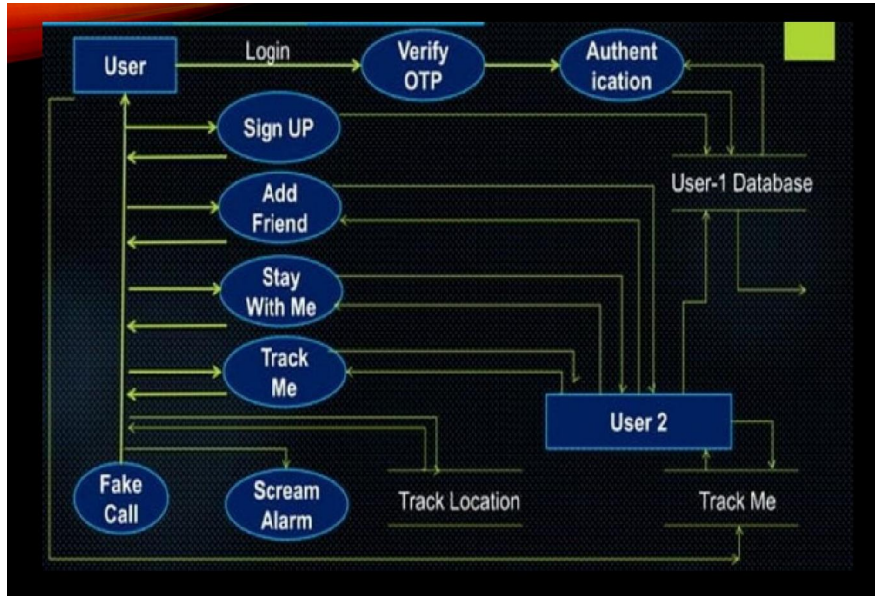Fig. 2.Dataflow Diagram1

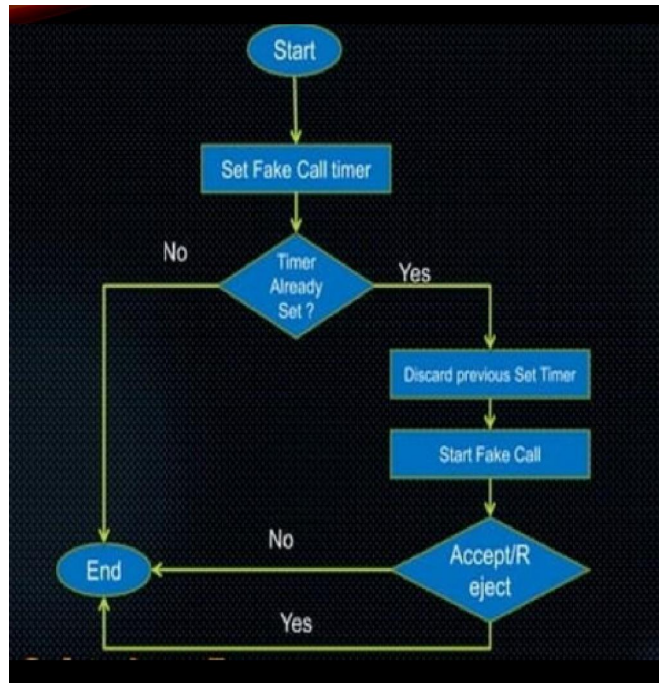Fig. 3.Dataflow Diagram2

Flow Chart
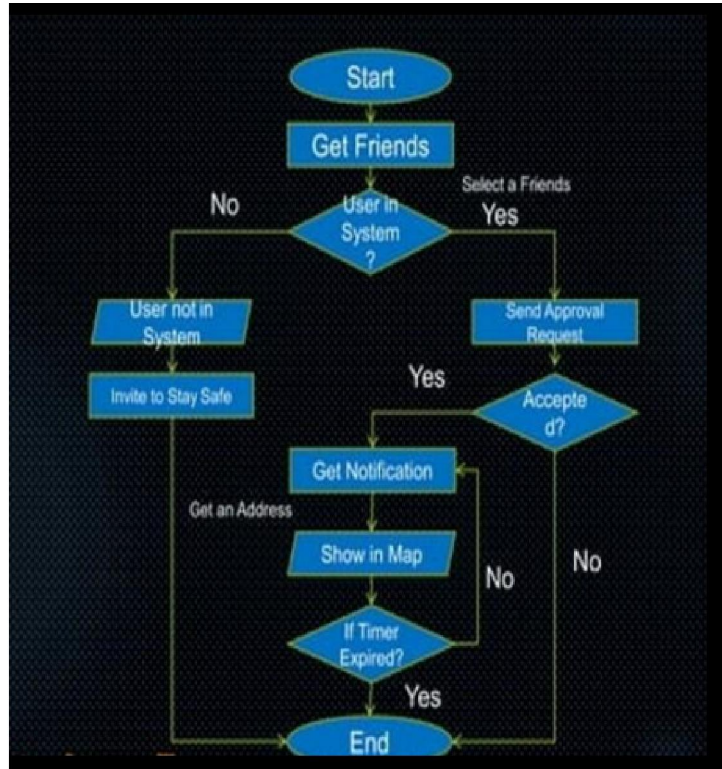

Fig. 4.Flow Chart "fake call Timer"
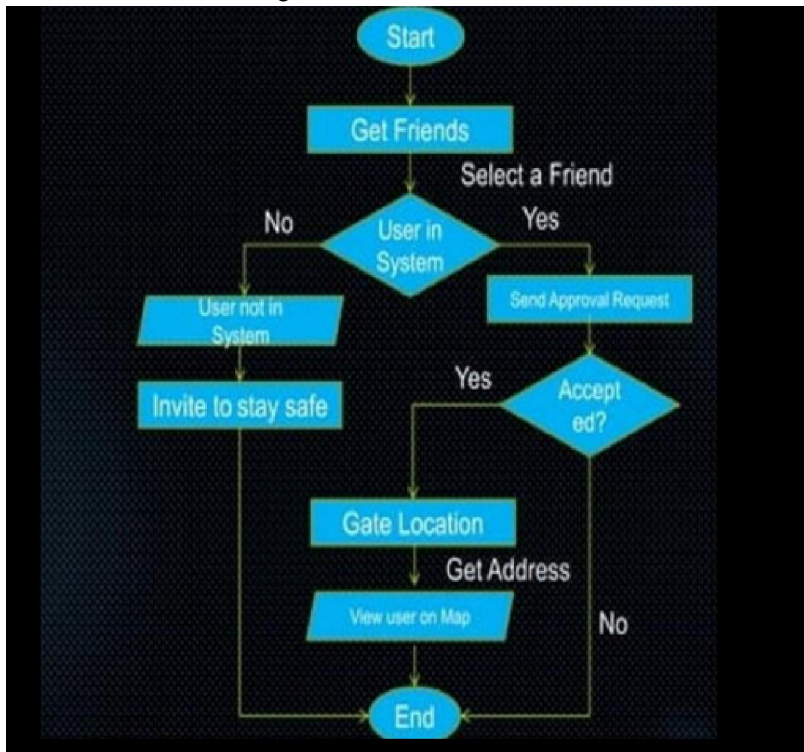
Fig. 4.Flow Chart "Track Me"

Fig. 4.Flow Chart "Where are you"

IV. CONCLUSION

We provide this application were women and other use can use this application to contact the parents and friends in the time of need or in case of any emergency. The application provides a friendly interface to use various other emergency tools at a time of emergency. The application can use both online and offline mode. Students and other members having Android platform can easily use the application. The application provides various tools in the form of button, texting along with sending the user location and sending the location via SMS when the end user is not having the Android platform.

ACKNOWLEDGMENT

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