

## Development of Human Security

**Er. Ankansha Bondale<sup>1</sup>, Nayana R. Kapse<sup>2</sup>, Pratiksha D. Gajbhiye<sup>3</sup>, Sonali A. Tembhurne<sup>4</sup>, Pragati R. Galande<sup>5</sup>, Yogesh K. Zapate<sup>6</sup>**

<sup>1</sup>Guide, Department of Computer science and engineering, Tulsiramji Gaikwad Patil Collage of Engineering & Technology, Nagpur, Maharashtra, India.

<sup>23456</sup>Students, Department of Computer science and engineering, Tulsiramji Gaikwad Patil Collage of Engineering & Technology, Nagpur, Maharashtra, India.

### Abstract -

A wide range of tracking systems have been developed to track vehicles and locate them on a map, but no applications have been developed so far for person. Now tracking a person's departure date has become a major issue these days whether it be tracking a high-profile criminal or a less expensive and more sophisticated tracking system using GPS and GPRS cell phones than us. Hand-held GPS receiver. "The main objective of our project is to reduce the total cost of tracking based on a GPS system based on satellite service available 24X7 worldwide. The GPS system can be used to find location that includes data such as latitude, longitude, time stamp etc. is a free cost service available to everyone. To track human movement we use Google Maps to create a map of the location sent by the mobile phone.

**Keywords:** GPS, Google Map, Tracking, Smartphone etc.

### 1. Introduction

Women have the ability to combine different groups for the same purpose. They often work in racial, religious, political, and cultural spheres to promote peace. We all know the importance of women's safety, but we must understand that they must be properly protected. Women are as physically strong as men, in an emergency the hand that helps them can be a relief to them. The best way to reduce the chances of being a victim of violent crime (robbery, sexual assault, rape, domestic violence) is to identify and request resources that will help you get out of dangerous situations. Whether you are in an emergency or you are separated from friends during a night out and you do not know how to get home, having these apps on your phone can reduce your risk and provide help when you need it. Although several were initially designed for students to reduce the risk of sexual harassment in the institution, they are suitable for all women. Due to the recent outrage in Delhi that rocked the nation and aroused us in the safety issues of our daughters, people are fixing it in different ways of fighting. Lots of new apps are designed to provide security programs for women on their phones.

The GPS downloader communicates with the server using General Packet Radio Service (GPRS). This service is a low cost service provided by the service providers which is a wireless data connection system. Cell phones with a GPS receiver are readily available in the market these days and are a thriving technology these days. This mobile technology has made it possible for us to communicate in almost every part of the globe across the globe. GSM / GPRS is one of the best and cheapest communication tools available today and in the future.

### 2. Problem Definition

In the previous login system and the exit pages provided will be time consuming during an emergency. These apps are important to understand when user interaction is also important. In the previous application there is no such function as a telephone service. In this application there is no center that provides access to nearby hospitals, police stations in emergencies.

### 3. Current Systems

For android use we will use GPS location. With GPS, the current operating address will be downloaded and an SMS can be sent to five contacts depending on the user. And we can call any number that will save me when I contact him in the first place and we can find a hospital near the police station in our current location.

### 4. The Problems with Current System

- Drawbacks of the existing system are in the event of an emergency the user is unable to set up the notification function.
- You cannot send a message when the balance is not in your phone.
- If there is no internet connection on the phone the recipient of the message then he could not find the location of that person who will be in trouble.
- It does not send voice recordings and does not take video footage during panic.

### 5. Advantages over current

- Does not require an internet connection to send a message.
- Easy to use and friendly interface.
- It requires less space and lower costs

• When a user is in trouble they can send SMS and location to recipients.

## 6. Goals and Objectives

- Reduce the number of sexual harassment cases in the city.
- Increasing the number of women and girls who feel safe somewhere in the city.
- Providing immediate assistance to the distressed user.

## 7. Literature Review

### • *Sauver: An Android Application for Women Safety*

This app can be activated by a single click when the user feels she is in danger. This application communicates the user's location to the registered contacts for every few seconds in the form of message. Thus, it acts like a sentinel following behind the person till the user feels she is safe. The key features of this application are along with the user's location, one of the registered contacts gets a call. Also, the registered contacts and GPS location are saved from time to time in a database.

### • *A Mobile Based Women Safety Application (I Safe App)*

The personal safety application requires the name and number of the person who is to be contacted in times of emergency. Users can add multiple people in the emergency contacts list. These are the people who will receive notifications or SMS in case of an emergency. All it requires is the user's action to trigger an SOS button provided and it shoots messages as fast as the device can manage. Once the SOS button is hit, the people in the emergency contacts will get a message like: I am in an emergency; followed by another message, which has the exact or approximate GPS location of the cell phone. The user can also make audio or video call. This app also provides necessary first aid measures that should be taken at the time of emergency situations.

### • *Abhaya: An android app for the safety of women*

This paper presents Abhaya, an Android Application for the Safety of Women and this app can be activated this app by a single click, when ever 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 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.

### • *Safetipin- Complete Safety App*

The is a privacy security app having the troop of features; GPS tracking, emergency, important contact numbers, directions to safe locations, pins displaying unsafe and free from danger areas and a Safety Score. It drives in advance of exemplary women safety apps, and presents a vast range of features, so that they will help to practically plan and can give a counter attack to those spots in the locality. When a person is going to move to a new locality that is unknown to him and if he or she want to know the safe areas, then this app will be much helpful providing the user a map based view of the locality along with its safety score. Also, the person can select the areas on those he or she excited to go and can get knowledge about the risks of hassles about the area, so they can finally take safety measures.

### • *M-Security*

The key feature of the app are: the user has to save some details. These details include: Name, Mobile no, blood group, date of birth, Address of the recipient and a text message. Then, app is loaded as so that when the user touches the app, it alerts the recipient. Another key feature of this app that we can call to one recipient whose no we can save on first no of my recipients contact list. This recorded voice, text message containing location co-ordinates of the user is sent to the recipient mobile number.

## 8. System Architecture

The client interacts with the developer team so that client can make them understand that what kind of software he wants. According to his idea the developer team makes diagram so that it can become easy for the both of the parties. If any changes are to be made, then the client could also ask the developer to make the required changes.

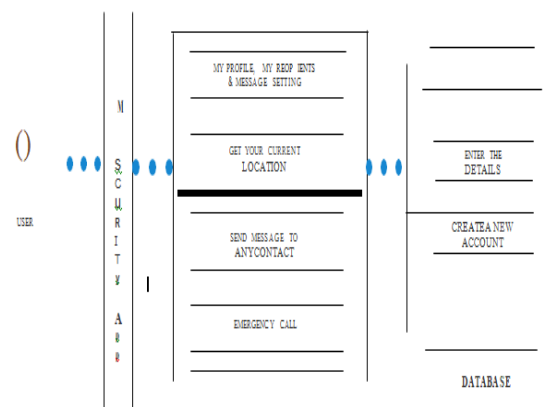


Figure1: System Architecture

## 9. Working of System

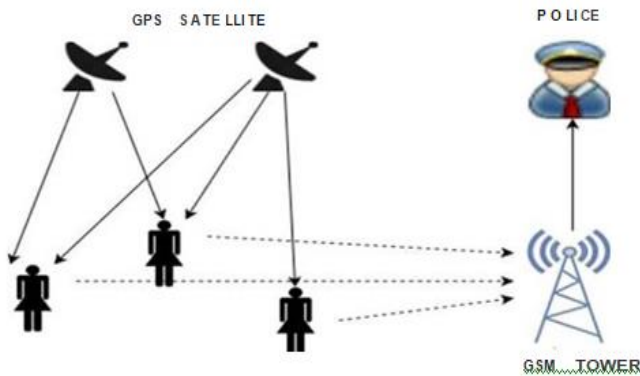


Figure 2: Working Of System

Above diagram 2 show working of proposed system. Location of victim find with help of GPS system. If GPS is not on in victim mobile the GSM tower location will add in to message.

## 10. Block Diagram

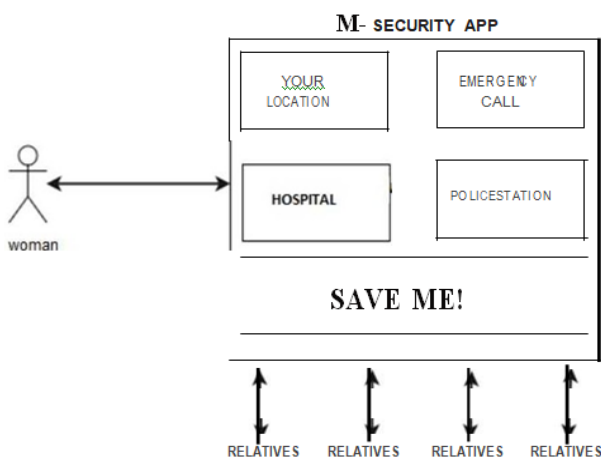


Figure.3: Block Diagram

Block diagram 3 of project show two users one is victim (Women) and another one is relatives. Victim user long press volume key then first find location (Longitude and Latitude) and send Message with longitude and latitude to relatives. Report will be generate all the message details and relatives who receive message.

## 11. Flow-chart



Figure 4 :Flow-Chart

When we open the application we can directly get the welcome screen then you need to register your personal details, contact no of recipients and message. At that time your GPS location is on if it is off then you need to on the GPS. GPS will fetch your current location and when you click on save me button message will send to your recipients. And you can call to any emergency contact by clicking on it. Then you exit this application by clicking on exit button of mobile.

## 12. Testing And Result Analysis

### • Front Page



Figure 5: Front Page

This is our first page, here we add five different modules the first module will show your current location. In the second module there are five contacts that provide for any emergency. The third module in the save button by clicking this message button will send to five contacts. In the fourth module from our current location nearby hospitals details can be provided using GPS. In the fifth phase nearby police stations with no communication are visible.

#### • Setting Activity

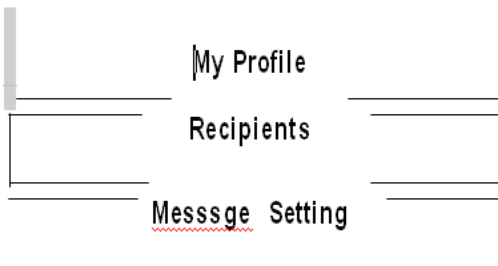


Figure 6. Setting Activity

In the Setup function we can provide three fields The first field is my profile where we can provide our information such as mobile name and address and more. In the second stage we can provide the contact number of the recipients. In the third set of settings where the report can be saved you will send it to your recipients in an emergency. This data will be stored on the website.

#### • My Profile Activity

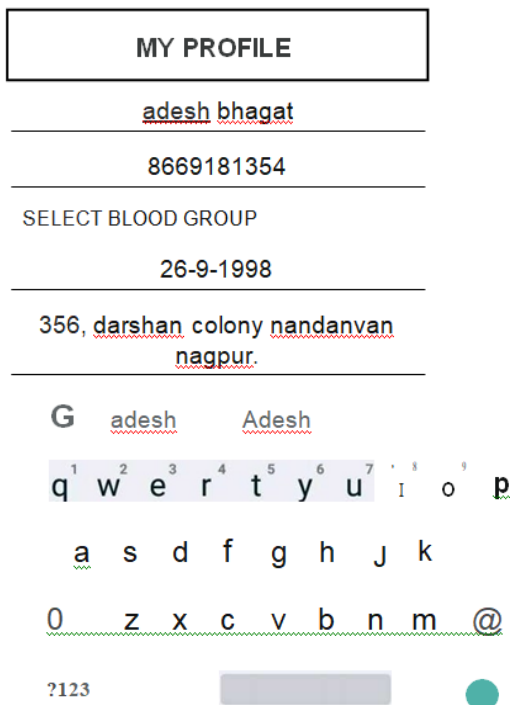


Figure 7: My Profile Activity

This is a profile picture of my work where we can store our information such as name, phone number, blood group, date of birth, address, using the registration button you can save this data and using the reset button you can fill in all the data.

#### • My Recipients Activity

##### MY RECIPIENTS

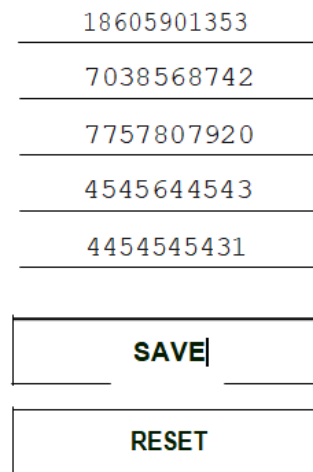


Figure 8: My Recipients Activity

This image is for My Recipients function, where we can provide five fields for entering recipient numbers. By using the save button you can save these numbers and using the reset button you can reset our recipient number.

##### YOUR MESSAGE

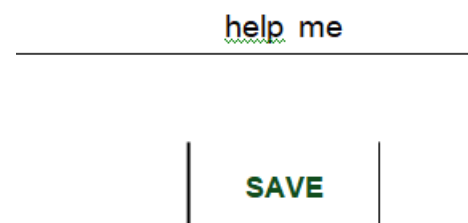


Figure 9: Message Setting Activity

In the message setup function we can provide one field where you can save the message that you will send to your recipients when you click the Save button. By using the save button you can save this message.

- **Message Conformation**



Figure 10: Message conformation

In the message synchronization function we can provide a popup message that will be provided to confirm that we need to send this message.

- **Receive message**



Figure 11: Receive message

This type of message and location will send to your recipients when you click the save button. By clicking on a location you will find the current location of the person who will be in trouble.

- **Emergency Call Activity**

**Emergency Response Numbers**

Call Firebrigade

Call Highway Police Control

Call Ambulance

Call Police

Call Emergency contact

Figure 12: Emergency Call Activity

In the case of emergency calls we can provide five emergency contact fields. In the first text field we can provide a firebrigade call number. In the second section of the text we can provide a highway traffic control number. In the third category we can provide a telephone ambulance number. In the fourth column we can provide a police telephone number. In the fifth column we can provide an emergency telephone number. By clicking this button the call will be connected to the number we will give to my contacts and recipients in the first place.

- **Call Emergency Contact**

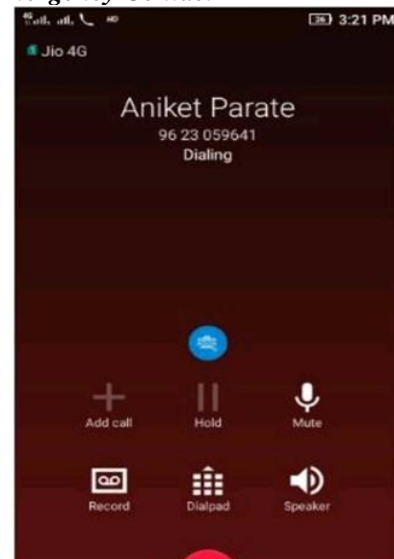


Figure 13: Call Emergency Contact

The emergency contact will connect to the number you will assign to the contact number of my recipients in the first place. Here by clicking the record button you can record the final voice on your mobile phone.



• **Our Location**



Figure 14: Our Location

In our location module we can see our current location using GPS. You can also search for any location here.

• **Nearest Hospital Location**

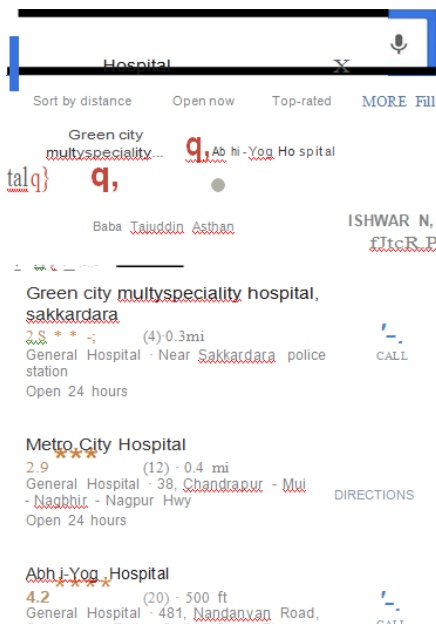


Figure 15: Nearest Hospital Location

In nearest hospital location we will get the location of nearest hospital from our current location with there address, ratings and contact number.

• **Nearest Police station**

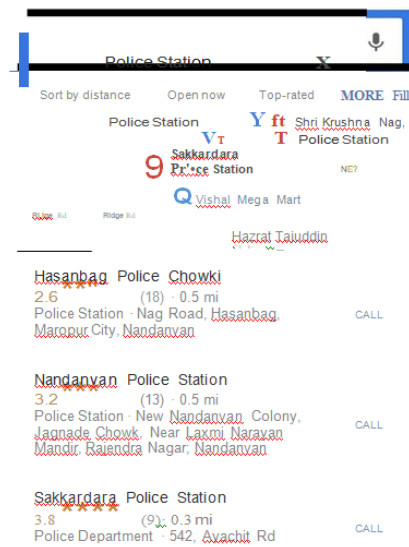


Figure 16: Nearest Police station

At the nearest police station we will find the location of the nearest police station in your area and details and contact number.

**13. Conclusion**

Unfortunately the safety of women is in doubt and safety is not a concern. Many of the topics that are still facing women point out that with the increase in sexual harassment, rape is still occurring in today's generation. About 80 percent of women lose their self-esteem and fear for freedom. We therefore strive to contribute to small efforts for women that will ensure the safety and respect of women so that they too may have the right to equal growth as men.

This mobile app is very useful for anyone. This app will help the user to send SMS and current location via GPS. The current address will be downloaded and sent to any contact depending on the user. Here the user can take safety precautions before coming to a real risk.

**14. Limitation**

- You cannot send messages to any contacts if the balance is not available.
- If your phone is offline, the current location will not be downloaded.

**15. Future Scope**

As technology evolves, it is possible to upgrade the system and not be able to adapt to the area you want. Because it is based on an object-oriented design, any additional changes can be easily altered. In future developments we will be linking our application with driver information information sites, i.e. if the driver commits any type of crime and is missing so that we

can track him with the information provided in the databases. . We will make it to our application directly with driver information that will contain information such as photo, driver address, contact details, RTO-provided collection and vehicle details certificate.

We will try to add the most useful modules to this application to suit the conditions.

## REFERENCES

1. Alan Collins, *Contemporary Security Studies* (Oxford: Oxford University Press, 2007), 3.
2. Inis L. Claude, *Swords into Plowshares: The Problems and Progress of International Organization*, 3rd ed. (New York: Random House, 1964).
3. Collins, *Contemporary Security Studies*, 2.
4. John Stuart Mill, *On Liberty* (London: Longman, 1869).
5. John A. Vasquez, *The Power of Power Politics: From Classical Realism to Neotraditionalism* (Cambridge and New York: Cambridge University Press, 1998).
6. Nicholas Thomas and William T. Tow, "The Utility of Human Security: Sovereignty and Humanitarian Intervention," *Security Dialogue* 33, no. 2 (2002): 177–92, 180.
7. Barry Buzan, "Ole Waever and Jaap de Wilde," *Security: A New Framework for Analysis* (Boulder, CO: Lynne Rienner, 1997).
8. Tsuneo Akaha, "Japan's Comprehensive Security Policy: A New East Asian Environment," *Asian Survey* 31, no. 4 (1991): 324–40.
9. *Comprehensive Security in Asia: Views from Asia and the West on a Changing Security Environment*, ed. Kurt W. Radtke and Raymond Feddema (Leiden/Boston/Cologne: Brill, 2000).
10. Ole Waever, "Securitization and Desecuritization," in *On Security*, ed. Ronnie Lipschutz (New York: Columbia University Press, 1995); and Amitav Acharya, "Human Security: What Kind for the Asia Pacific?" in *The Human Face of Security: Asia-Pacific Perspectives*, *Canberra Papers in Strategy and Defence*, no. 144, ed. David Dickens (Canberra Australian National University, Strategic and Defence Studies Centre, 2002).
11. Alan Rix, *Japan's Aid Programs: Quantity vs. Quality* (Canberra: Australian Government Publishing Service, 1987); Edward A. Olsen, "Homeland Security: Learning from Japan," November 18, 2004 (Washington, D.C.: The Independent Institute, 2004).
12. Independent Commission on International Development Issues, *North-South: A Program for Survival* (The Brandt Report) 1980. Independent Commission on Disarmament and Security Issues, *Common Security: A Blueprint for Survival* (The Palme Report) 1982. World Commission on Environment and Development, *Our Common Future* (The Brundtland Report) 1987.
13. United Nations Development Programme, *Human Development Report 1994* (New York: Oxford University Press, 1994), 3, 24.
14. Kofi Annan, *We the Peoples: The Role of the United Nations in the 21st Century* (Millennium Report of the UN Secretary-General) 2000. Commission on Human Security, *Human Security Now* (New York: CHS, 2003). Human Security Center, *Human Security Report 2005: War and Peace in the 21st Century* (New York: Oxford University Press, 2005).
15. Gary King and Christopher J. L. Murray, "Rethinking Human Security," *Political Science Quarterly* 116 (2001–02): 585–610.
16. Commission on Human Security, *Human Security Now*, 4.
17. Human Security Research Group, *Human Security Report*, <http://www.humansecurityreport.info/> (accessed November 14, 2010).
18. Thomas and Tow, "The Utility of Human Security," 178.
19. Human Security Research Group, *The Human Security Report*.
20. United Nations Development Programme, *New Dimensions of Human Security* (New York: Oxford University Press, 1994).