

Women's Safety System

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Abstract : *Women's Safety Security System - Alert All Chat Application People using smart phones has grown fast in today's culture, and so a smart phone can be efficiently used for personal security or other types of protection. The horrific event that shocked the entire country has reawakened us to the need of addressing safety problems, and as a result, a plethora of new apps have been developed to provide women with protection systems through their phones. If the necessity arises, this Android App for Women's Safety and Security can be activated with a single click. A single click on this app recognises the location of a location using GPS and sends a message with the location URL to the registered contacts, as well as summoning the first registered contact to assist the person in a perilous situation.*

1. INTRODUCTION

Women's safety is a big concern in India, and women should avoid going out alone after 12 a.m. or considering travelling to a remote place. Due to the fact that women are physically weaker than men, assistance should be available. As a result, a client's cell phone may become their best friend, allowing them to interact with family and friends at any time of day or night. Anyone in a crisis situation is required to make a phone call or express a specific message at any time and from any location. We provide an application that ensures women's safety. This assists in locating and messaging resources that can assist the client in escaping unsafe situations. This reduces risk, enables us to receive assistance when we are in need, and assists us in locating the individual who is in danger. The Android SDK contains all of the necessary tools and APIs for developing Android applications using the Java programming language. Ladies in distress use a speech-based contact list to operate the application and make necessary phone calls. Individuals can use it to send brief text messages between their cell phones. The major mechanism used by this programme is voice recognition.

2. MOTIVATION

In today's world, women are catching up to men in every aspect of their lives, but at the expense of being subjected to abuse, harassment, and violence in public and even at home. They are unable to leave their homes at any time of day, wear whatever they choose, or go to work without being harassed. Women are subjected to some type of confinement, which not only deprives them of their independence, but also shatters their confidence and dreams.

3. PROBLEM STATEMENT

In India, the crimes against women are increased rapidly in past few years. despisal case records of Women Physical and Mental harassments. To tackle such instances there are several mobile apps are there but non of them are effective and quick. For that we are making an application that is effective as it uses voice recognition to detect if the person using the device is safe or not.

4. PROBLEM DEFINATION

India has a heinous track record in all forms of sexual exploitation, ranking among the worst in terms of criminality. As if they were living in a terrorist-infested country, Indian women are constantly on high alert. Women are not safe, as we can see in our daily lives. Every woman faces a range of conditions, such as sexual harassment, threats, terror, and unavoidable circumstances. The most pressing issue is to find a way to safeguard the safety and security of women.

5. EXISTING SYSTEM

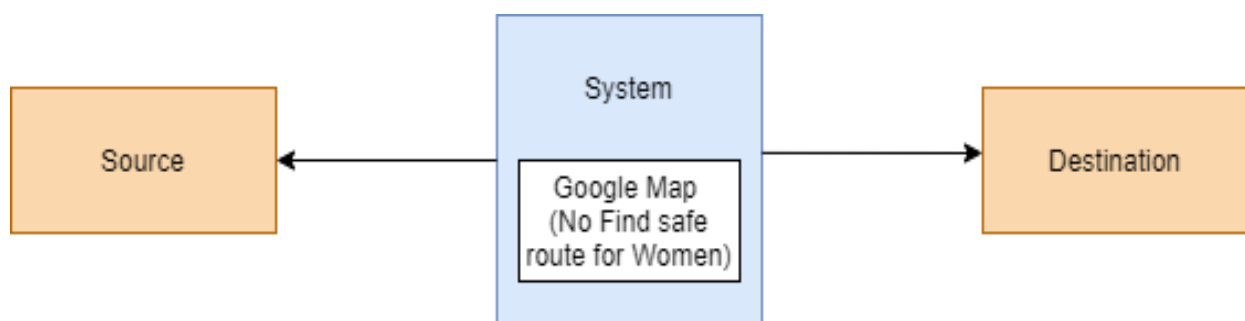


Fig 1:-System

6. SYSTEM ARCHITECTURE

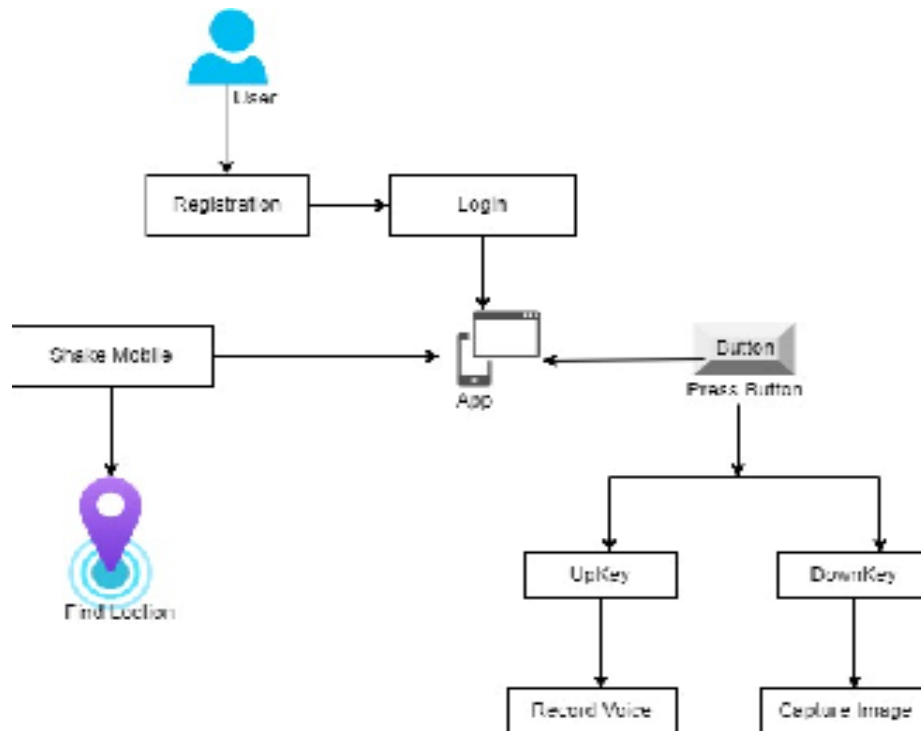


Fig 2:-System Architecture

7. PROPOSED SYSTEM

7.1 METHODOLOGY

The framework integrates parts that represent a quick-reacting cost insurance framework for a person, particularly for females, by which a lady in distress might request assistance just by setting a watchword, and the programme will become active after speaking the catch. The self-defense framework for women's security is similar to a sophisticated women's application. It has the potential to help women advance in their jobs.

7.2 ALGORITHM

STEP 1: GET STARTED

The second stage is user registration. Fill out all of the required fields after that.

a) Personal Data b) Contact Information c) Voice and Keyword Configuration

Step 2: Set up an account. If this is your first time using the site, skip to

Step 3. Enter your user name and password here. If (Field) is empty, a warning will be issued. If (Field) is not valid, a warning will be issued. If this is true (matches) Go to the home page to begin the session. Make a difference (option) Proceed to the following step if (method1=="working"). Otherwise, proceed to the following step if (method2=="working"). Otherwise, Method 3 should be utilised to get started.

Step 4: It will then generate the Shake Mobile, which will send location and pre-stored messages to registered contacts.

Step 5: Record the voice if possible (click up Key).

Step 6: Record the voice if possible (click Down Key).

STEP 7: COMPLETE

8. ADVANTAGES, LIMITATIONS & APPLICATION

8.1 ADVANTAGES

1. It is both safe and easy to use.
2. It is suitable for children, adolescent girls, ladies, senior citizens, and older males.

8.2 LIMITATIONS

1. To use this programme, you must have an active internet connection.
2. The user must enter accurate data; else, the device will fail to operate properly.

8.3 APPLICATION

1. When a lady is in distress, she can activate this software by just pressing a single button.
2. This software can recognise and deliver notifications about your present position to the phone numbers you specify.

9. FUTURE SCOPE

Our Future Scope includes real-time implementation of the proposed system in a small package with additional components such as a heartbeat sensor for real-time monitoring of women's heartbeats by measuring variations in blood volume in tissues and analysing various heartbeat parameters for individual women.

10. CONCLUSION

This mobile app is highly useful for any woman. Because if a lady finds herself in a perilous circumstance, she can simply utilise this I Safety mobile app to alert her guardians. Simply clicking the app makes a call to the first added guardian number, alerting them to her danger and sends a location message to all saved guardian contacts. We can utilise our smartphone app to warn people at home about the safety of a woman who resides in their home.

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