

## WOMEN SAFETY APPLICATION USING SHAKE SENSOR

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### ABSTRACT

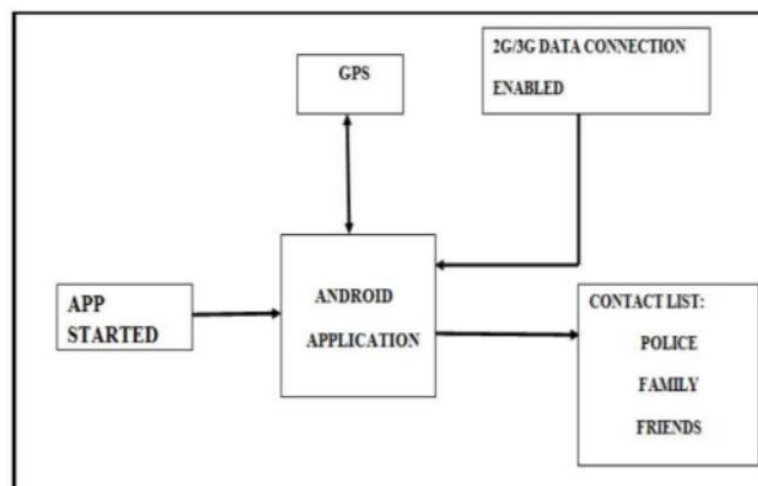
In today's world it is very unsafe to travel alone, especially for women. Since lots of unexpected, and shameful incidents are happening around the globe. Problems may come from anywhere and anytime, as women are also growing equally like men so for that purpose they have to travel alone at night where ever they go, they have to travel alone in public transport as well, and for that reason we need to understand and solve this problem of women so they also should not feel any fear regarding their safety. This report represents an android application which will serve the purpose to rescue the women from unsafe conditions. As we all know that nowadays every individual carry their own smartphones and the uses of android applications have been increased rapidly so it is better to have such an android application which will provide a safe environment in public transport.

**Keywords:** Android, GPS, Text Message.

### I. INTRODUCTION

We are aware of importance of women security , but we should be must recognize that they should be well secured. If we are to fight discrimination and injustice against women we must start from the home, for if a women cannot be safe in her own house then she cannot be expected to feel safe anywhere. A recent article in India claimed that India is the fourth most dangerous place for women's to take public transport and the second worst for safety while travelling at night. Women's safety is big concern which has been the most important topic till the date . Women safety matter a lot whether at home , outside home or In working place. A woman is not much powerful when compare to men physically in problematic Situation and they needs a helping hand to relieve them . The best way to minimize chances of becoming a victim of violent crime like robbery, sexual attack, rape, etc is to identify the unsafe location for women . whether you are in instant trouble and do not know how to get home , so having these apps on your mobile can help you out. This is the small contribution taken which will provide safety android app for women. HERE, We introduce an Android application that ensures the safety of women . It reduces the risk and help us in need by identifying location of person who is in danger .This is the small contribution taken which will provide safety android app for women. When user shake phone for the 3 time then it will be sent in the text message format to the contacts which user selects. It lets your family and friends know your current via GPS tracker if your android device is connected to the network.

### II. METHODOLOGY



To develop a system for android users for keeping track through several applications. This applications. This applications uses GPS for identifying the location of the person in trouble and the system can be divided into two modules.

1. First module can be the victim's phone that is the root device which uses 3G/2G data connection for tracking the location of a victim through GPS.
2. Second module can be the mobile phone of registered contacts either police , friends or family members which receives the message containing URL of location of victim that is send from the root device.

### III. PROBLEM STATEMENT

1. At any emergency situation people get panicked and in that situation, they may not be able to operate their smart phone applications, and cannot immediately defend the attacker and protect themselves.
2. The proposed system can be useful for woman and children for security purpose. It consists of wearable safety device having sensors which when activated sends an alert message with location information to the victim's family and selected contact's.

### IV. PROJECT OBJECTIVE

We are focusing on building an effective , fast and reliant system to make the woman of India feel safe and empowered.

This application will act as 24/7 active help and companion for woman so that they don't ever feel that they are alone in the middle of crisis situation.

### V. METHOD AND ARCHITECTURE

**MVC** – It stands for MODEL VIEW CONTROLLER, There are many architectures for developing an Android app. Our app uses MVC architecture that is Model view controller architecture. With this approach Activities are responsible for processing the data and updating the views. Activities act like controller in MVC. It is a Software Design Pattern, usually used in developing user interfaces. MVC Architecture pattern is a way how the information or data is been presented to the user & how the user interacts/deals with the data view.

### VI. ADVANTAGES

- Make woman feel safer of all ages in times of emergency.
- Easy and efficient to use.
- Hassle free use of application.

### VII. DISADVANTAGE

- Everyone must have an android device for giving alert message

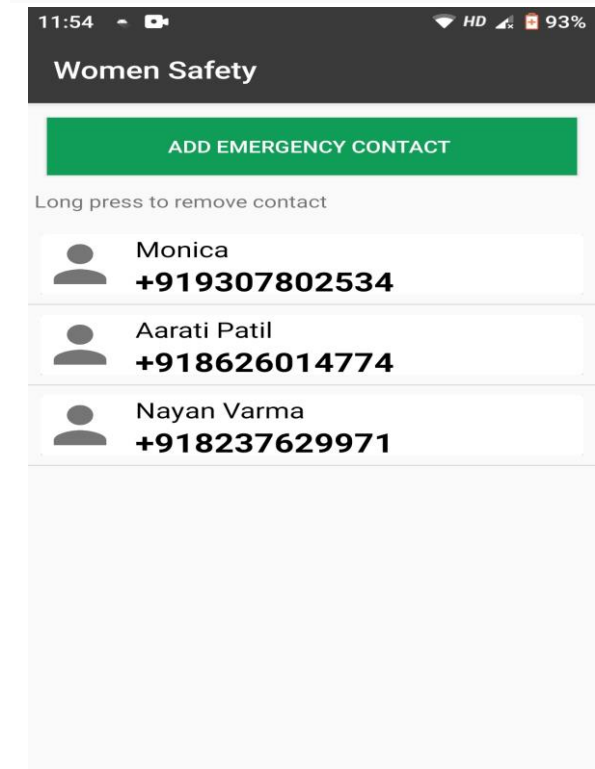
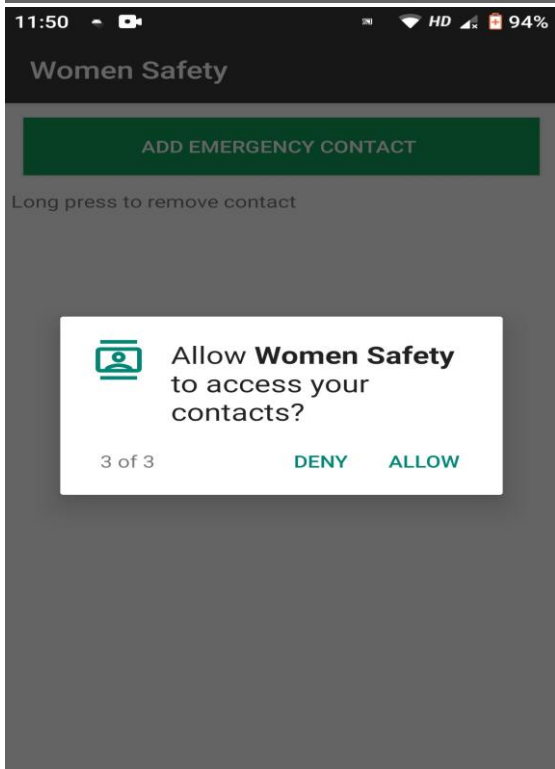
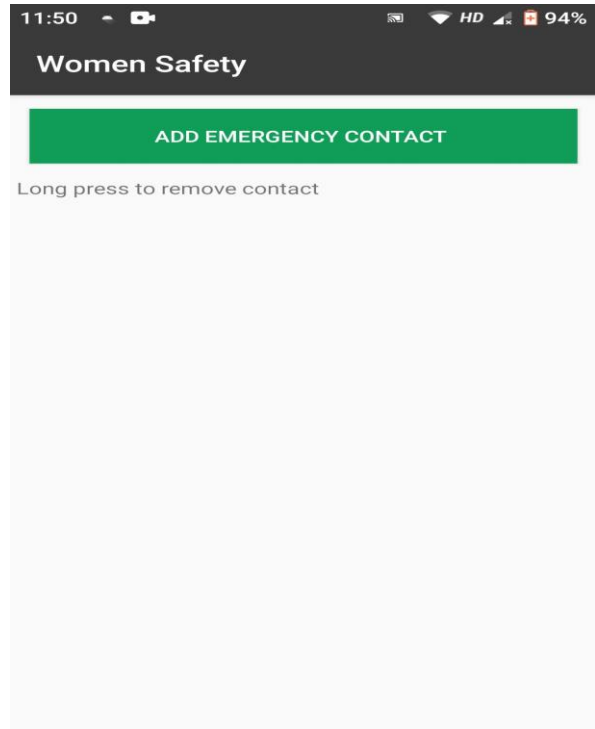
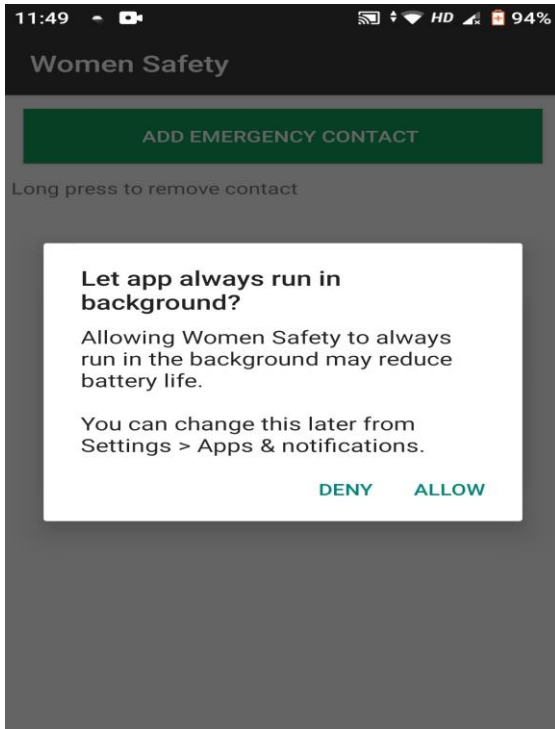
### VIII. CONCLUSION

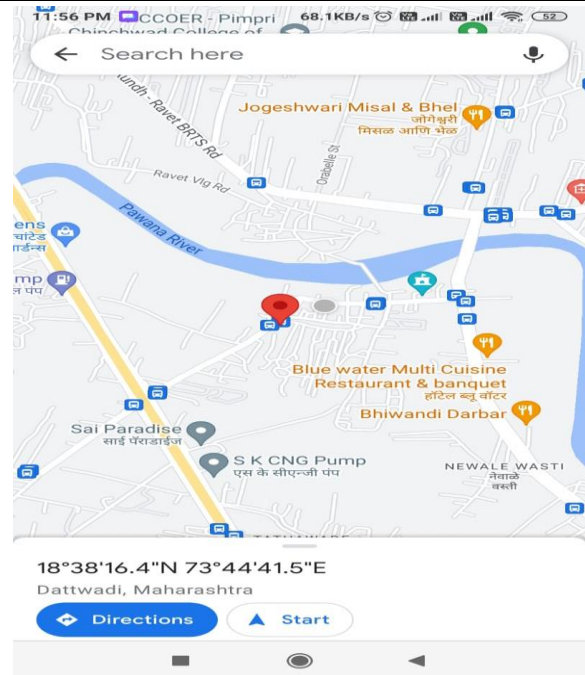
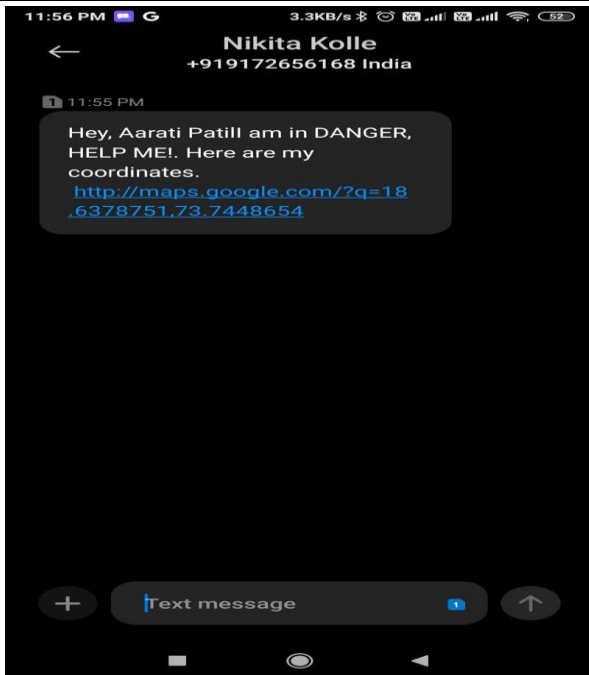
Our exertion behind this task is to structure and create an android application which is accessible to give the favorable position of the individual security system. This configuration will manage a large portion of the basic issues looked by women and help them to be secure.

The proposition component gives the shake sensor based access the application and finds the area of the individual as far as longitude and scope which can be followed utilizing Google maps.

This framework diminishes the wrongdoing rate against women. Women security is a basic issue in the current situation. These violations can be finished with the assistance of the continuous usage of our proposed framework.

IX. RESULT





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