***Project Report***

***On***

**Women safety application Submitted for the requirement of**

**Project course**

BACHELOR OF ENGINEERING

**COMPUTER SCIENCE & ENGINEERING**

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**Android Women Safety App**

. In today’s world, it is not safe for a person to travel alone at night especially for women; it will be high time to travel alone because a woman is not highly strong as men to protect herself from them. The good way to reduce chances in becoming a victim of violent crime (robbery, sexual assault, rape, domestic violence) is to identify and call on resources to help you out of unsafe situations. Whether you are in instant trouble or got separated from friends during night and do not know to reach home, having these apps on your phone can diminish our risk and bring assistance when we require it. In this paper, we present Security Alert an application for smart phones working over android platform. National Crime Records Bureau of India reported incidents of crime against women increased 6.4% during 2012, and a crime against a woman is committed every three minutes.

* **Modules:**

**Help Button** Which is useful for the user when he is in some problem or needs any help? When the user opens this application, he can see a HELP button. Then send SMS to Register contact nos.

**Adding Contact** Using this module Adding 3 Emergency contacts numbers save it, so adding contact nos.

**Messages** Store some message, to your danger situation. It’s using to Emergency situation.

##### **Project Lifecycle:**

##### **Description**

An android app which can INSTANTLY alert the Guardians(along with user location) whenever the user is in an emergency situation. It can be triggered just by shaking the android device in which the app is installed.

It is based on Android Technology in which we use various objects to create the application.

It incorporates all the essential features such as GPS tracking, emergency contact numbers, directions to safe locations etc.

Women’s safety is a big concern which has been the most important topic till date. Women safety matters a lot whether at home, outside the home or working place. Few crimes against ladies particularly rape cases were terribly dread and fearful. Most of the women of various ages, till this day are being subjected to violence, domestic abuse, and rape. As ladies ought to travel late night generally, it’s necessary to remain alert and safe. Although the government is taking necessary measures for their safety, still, there are free safety apps for women that can help them to stay safe. Most of the females these days carry their smartphone with them, so it is necessary to have at least one the personal safety apps installed. Such a security app for ladies will definitely facilitate in a way or the opposite. This is user-friendly application that can be accessed by anyone who has installed it in their smart phones. Our intention is to provide you with fastest and simplest way to contact your nearest help. In this system user needs to feed three contact numbers, in case of emergency on moving the phone up and down thrice, the system sends SMS and calls on one of the numbers feeded into the system with the location. The phone starts vibrating and siren starts ringing. This features for both everyday safety and real emergencies, making it an ultimate tool for all.

**Android**

* **Hardware Requirement:**

1. **Android Phone or Tablet**

* 1.2 Quad core Processor or higher
* 1 GB RAM
* **Software Requirement:**

1. **Laptop or PC**

* Windows 7 or higher.
* Java
* Android Studio

1. **Android Phone or Tablet**

* Android v5.0 or Higher
* **Advantages**

1. Your loved ones and close friends can automatically receive text message.

2. Exact time of the alert triggered. Your location (with map link).

3. The battery level of your phone.

4. It monitors the frequent no of shakes in a particular locality or area and marks that particular location as DANGERZONE.

5. Automatic prompt for activating location.

6. Self-defense video for guiding victim, how to remain safe and protect in dangerous situations arising.

* **Limitation**
* Only Android mobile users can use this application
* **Application**
* This system can be used by the multiple peoples to get the counselling sessions online.
* **Reference**

<https://www.geeksforgeeks.org/project-idea-women-safety/>

https://projectworlds.in/android-projects-with-source-code/women-safety-app-android-project-source-code/