**NAGRAAJ AND HIS CONCERN**

**ABOUT WOMEN SAFETY ANDROID APPLICATION**

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**INTRODUCTION**

**In this day and age, being subjected to violence, domestic abuse and rape.** The countless rape cases reported in recent years by the international media and the reactions of politicians, police authorities, victims, offenders, as well as the people who read these [stories speak volumes](http://www.hongkiat.com/blog/tell-stories-others-want-to-share/) about where we stand in **the issue of personal safety for women**. At times, women seem to be on their own when it comes to fighting against rape. No one has the time to dial an emergency number when they are in danger.

**METHODOLOGY**

Through this application, the potential victim can shake the phone to start the app and then again **shake the phone 2 times or start shouting “*Bachao Bachao*”** or some specific speech code words to indicate that they are in danger .For this we are using sensors (shakethe phone) and voice recognition.

* If **internet connection is there**, victim’s location (gps) can also be send to their saved contact list (user selects the specified contacts from her phone’s contact list).

With the help of GPS we can find the nearby police station and the message will automatically send to that person (whose contact is in the saved contact list) who are nearby to that victim’s location (shortest distance using gps).

Victim can also view nearby hospitals and police station with their contact numbers.

It also has a wallet. User can add money to his online wallet to reduce the cost of the message.

* If **you are not connected to internet**, then using GSM cellular network (from sim network tower) your location(MCC,MNC CellId, LAC) can be identified and send to your saved contacts.

**JAVA MODULES**

1)StartingPage-This module consist GUI and introduction to the app with the time loader

2)Addcontact-In this user can choose contacts from her contact list to whom she wants to send the message in danger .Here we add the permission in manifest to access contacts

4)Shake\_send-In this, we use shake sensor so that when victim shake the phone the message is send to the saved contact.

5)VoiceRecognition-In this module we use Google Speech API for matching “bachao bachao” or other code words and send the mess age to selected contacts

6)Location\_InternetConnection-When internet connection is available,the location is also send in the SMS(using gps).

7)Location\_NointernetConnection-When internet connection is not there then send the message that consist (MCC,MNC CellId, LAC) and URL <http://opencellid.org/> so that through this website after entering these values(MCC,MNC CellId, LAC) person can know victims address

All the modules are in running condition. Bug free!