**SHADOW : BE FEARLESS**

**INTRODUCTION**

Safety of women matters a lot whether at home, outside the home or working place. Last few crimes against women were very dread and fearful. Because of such crimes, women’s safety has become a doubtful topic. There might be situations in which a person has to travel alone a long distance at an odd hour and perhaps even by public transport and may face some danger. At such a time, a personal safety app might not only be wise to have an easy access to, it might also give you a lot of confidence needed. The proposed system “SHADOW” helps a woman in dangerous situation. If a person is in danger, she has to make a call to her friend or relatives for explaining the position and problem she is facing. In the proposed system, by clicking on the android device five times or shaking the phone, an audio file is being recorded. We can set a list of people in our contact as emergency contact list. So, the recorded audio along with his location is being sent to those people. This app also provide necessary first-aid measures such as, if a person enters a dangerous area such as a narrow road or less crowded area, she gets notification about that area. Also if two persons with this application enter same area, they can send messages. This mobile application is very much helpful for any woman who is travelling alone.

Police enhance the safety for women and children in public places. The police includes specially trained women police personnel. These police personnel will patrol on KSRTC and private stage carriers and will be present at bus stops, schools, colleges and other public places. They will assist women, children and senior citizens traveling on buses. The Patrol car of police have been equipped with GPS tracking devices as well as cameras installed on the front and rear sides of the vehicles. The camera sends continuous visuals to the control room. An officer from control room can inspect these visuals in real time and deploy additional forces to various areas whenever necessary. These patrol vehicle will be led by a women police officer and will have two other women police personnel. The patrol will be deployed in areas that have high presence of women and will function from 8 am to 8 pm.

**EXISTING SYSTEM**

There are no mobile applications for the person’s safety, if the person is in danger the people have to make a call to his friends or relatives and have to be explaining the position and problem and generally we do not know the first aid details. Some drawbacks in the existing system are discussed below:

The person who is in danger (he/she) can’t explain and show his/her position and situation.

The person doesn’t know the first aid details. This calls for a high-performance location-aware system to deliver user’s messages to the admin.

**PROPOSED SYSTEM**

In proposed system with the push of one button or by shaking the android device, people can alert selected contacts that the person is in danger and share the location. With this personal safety app, you'll never walk alone!! There might be a situation in which have you to travel alone a long distance at an odd hour and perhaps even by public transport and may face some danger. At such a time, a personal safety app might not only be wise to have easy access to, it might also give you a lot of much needed confidence. 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. The police module includes specially trained women police personnel. These police personnel will patrol on KSRTC and private stage carriers and will be present at bus stops, schools, colleges and other public places. They will assist women, children and senior citizens travelling on buses. The Patrol car of police have been equipped with GPS tracking devices as well as cameras installed on the front and rear sides of the vehicles. The camera sends continuous visuals to the control room. An officer from control room can inspect these visuals in real time and deploy additional forces to various areas whenever necessary. These patrol vehicle will be led by a women police officer and will have two other women police personnel.

**MODULE DESCRIPTION**

The five different modules of the system are, Admin, sub admin, police, users and public.

**ADMIN:**The different tasks of the admin include,

* View registered users
* Block users
* Sent notification
* Edit/ Delete notification
* police registration
* Vehicle management
* Assign vehicles to police
* View public feedback
* Add website info

**SUBADMIN:**

The different tasks of the sub admin include,

* Add safe points
* View dangerous spots added by police and users
* Track police vehicles
* View visuals sent by the police
* View feedback

**POLICE:**

The different tasks of the police include,

* + View emergency assist request
  + View complaints And take action
  + Add dangerous spots
  + Verify dangerous spot added by the users

**USER:**

The different tasks of the user include,

* Set emergency number
* Request for Emergency assists by Sending SMS
* Chat
* View safe point
* View dangerous spots
* Share ideas and images
* View ideas and images
* Search places
* Search nearby persons
* Add dangerous spot
* Emergency call to police
* Post complaints
* View notification

**PUBLIC:**

The different tasks of the public include,

* User registration
* View dangerous spots
* View police information

**SOFTWARE AND HARDWARE REQUIREMENT**

**HARDWARE REQUIREMENTS**

* INPUT DEVICE : MOUSE,KEYBOARD
* OUTPUT DEVICE : MONITOR
* MEMORY : 4 GB RAM(MINIMUM)
* PROCESSOR : Core i3 or above PROCESSOR

**SOFTWARE REQUIREMENTS**

* OPERATING SYSTEM : WINDOWS 7/8 for better performance
* FRONT END : Android **/**Python**/** Php **/** Java
* BACK END : MySQL **/**SQLserver 2008
* IDE :Android Studio, JetBrains PyCharm/

Net-beans/ MS Visual Studio 2010

* SOFTWARES USED : MySQl, SQLyog