

*"Each one of us can do a good deed, every day and everywhere. In hospitals in desperate need of volunteers, in homes for the elderly where our parents and grandparents are longing for a smile, a listening ear, in the street, in our work-places and especially at home.*

- Shari Arison



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**HUMAN FALL  
ALERT SYSTEM**  
**Group 40**

# Need of the Product

For a human, experiencing a fall unobserved can be doubly dangerous. The obvious possibility of initial injury may be further aggravated by the possible consequences if treatment is not obtained within a short time. By introducing small, noninvasive sensor in conjunction with a wireless network, our product aims to provide a path towards more independent living for the elderly. Using a small device worn on the waist in the home environment, we can detect the occurrence of a fall and the location of the victim which can reduce the delay in reporting such situation.

## Who Can Use It



**Seniors** who choose to continue living independently are more prone to sudden fall. If fall gets unnoticed it may aggravate injuries further.

**Patients** who are at risk of fainting or unconsciousness regularly can use a Human Fall Alarm System



## How to Use it

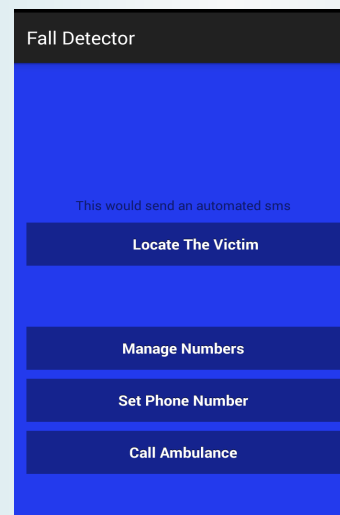


**Human Fall Alarm System is very easy to use.**

1. Plug in the Battery
2. Insert the Sim-card
3. Press the button inside the case to configure the Networking module. (Hold the button until blue light starts blinking)
4. Various other setting can be applied using the mobile app .

### Mobile app functions

1. **Locate the Victim:** Allows you to know the location of the victim. The location will be shown on Google Maps.
2. **Manage Number:** Allows you to Add Delete or view Mobile Numbers on which alert will be displayed.
3. **Set Phone Number:** Set the Mobile Number which is used by the device.
4. **Call Ambulance:** Directly call the ambulance on one touch.



## How it works

A sensor inside the device continuously measures the body acceleration. When a threshold measurement of the acceleration is reached the device sends the longitude and the latitude in a message to the concerned person. The app then read the message, process it and starts ringing the siren. The app then shows the location of fall of the victim.



1. **Totally Configurable:** Need not to reach seller again and again. You can configure the system on your own.
2. In case of false alarm just press one side button to avoid alert.
3. Whether it be doctor, a neighbor, or a family member, you choose who to alert in case of emergency.
4. Compact and easy to use.



1. Does not work where Mobile Networks are not available.
2. Sometimes can trigger false alarm.