

## **WOMEN SECURITY ASSISTANCE SYSTEM WITH GPS TRACKING AND MESSAGING SYSTEM**

Basically, our idea is to safeguard the women at the time of harassment. For that we have planned a project where we use pressure sensor at the place of anklet and when a women is posed to harassment then the pressure in ankle increases and that will be sent to the controller then, the controller enables the GPS location and tracks the area of women and send the notification to the respected persons whose contacts are saved in EEPROM and also sounds the alarm to alert the people around for saving that women.

And, secondly if the lady is kidnapped and she is not creating any pressure (or) not running then at that point of time she can create pressure by pressing that pressure sensor present in anklet and thereby the same phenomenon mentioned above will be established.

For this we can store the information in database of IBM Cloud after sending the notifications to the concerned person and police authorities.

### **Software Requirements:**

- Arduino IDE

### **Hardware Requirements:**

- Node MCU
- GSM/GPRS
- Proximity Sensor
- Switch

Block Diagram:

