**IOT BASED SECURITY & SAFETY MEASURES**

**ALERT SYSTEM**

**(** Harsha )

1. Welcoming
2. Short description about project title

For Women’s & Children’s security and safety we had designed an alert system . This can be useful to receive a notification from ESP8266 board with an alert messages when a sensor reading is above or below certain threshold, when motion is detected, and many other applications .

( Bharani )

1. Objects Required

* ESP8266 module

Single core processor runs at 80MHz

Highly integrated chip designed to provide full internet connectivity in a small package

Low cost

Microcontroller

32- bit RISC processor

Wifi based SOC ( systems on chip )

Perfectly suited for DIY projects in IOT

* Callmebot

It is a Free API

Free API is only for personal use ( we can use in our emergency time )

We need to get the apikey form the bot before using the API

WhatsApp message from the bot will contain the apikey needed to send messages using the API

We can send text messages using the API after receiving the confirmation

* Reset Button

While pushing a button the alert message will send to the device through WhatsApp or sms

( Harsha )

(4) Working Flow