

A group of nine diverse young women are posing for a photo on a rocky, grassy hillside. They are dressed in casual, contemporary clothing, including t-shirts, hoodies, jeans, and a wide-brimmed hat. The background features a line of trees and distant mountains under a clear sky. The text 'SHE-SAFE' is overlaid in the center-left of the image.

SHE-SAFE

Making the World a safer place for women

# INTRODUCTION

Violence against women (VAW) is, collectively, violent acts that are primarily or exclusively committed against women. Sometimes considered a hate crime, this type of violence targets a specific group with the victim's gender as a primary motive. This type of violence is gender-based, meaning that the acts of violence are committed against women expressly because they are women.







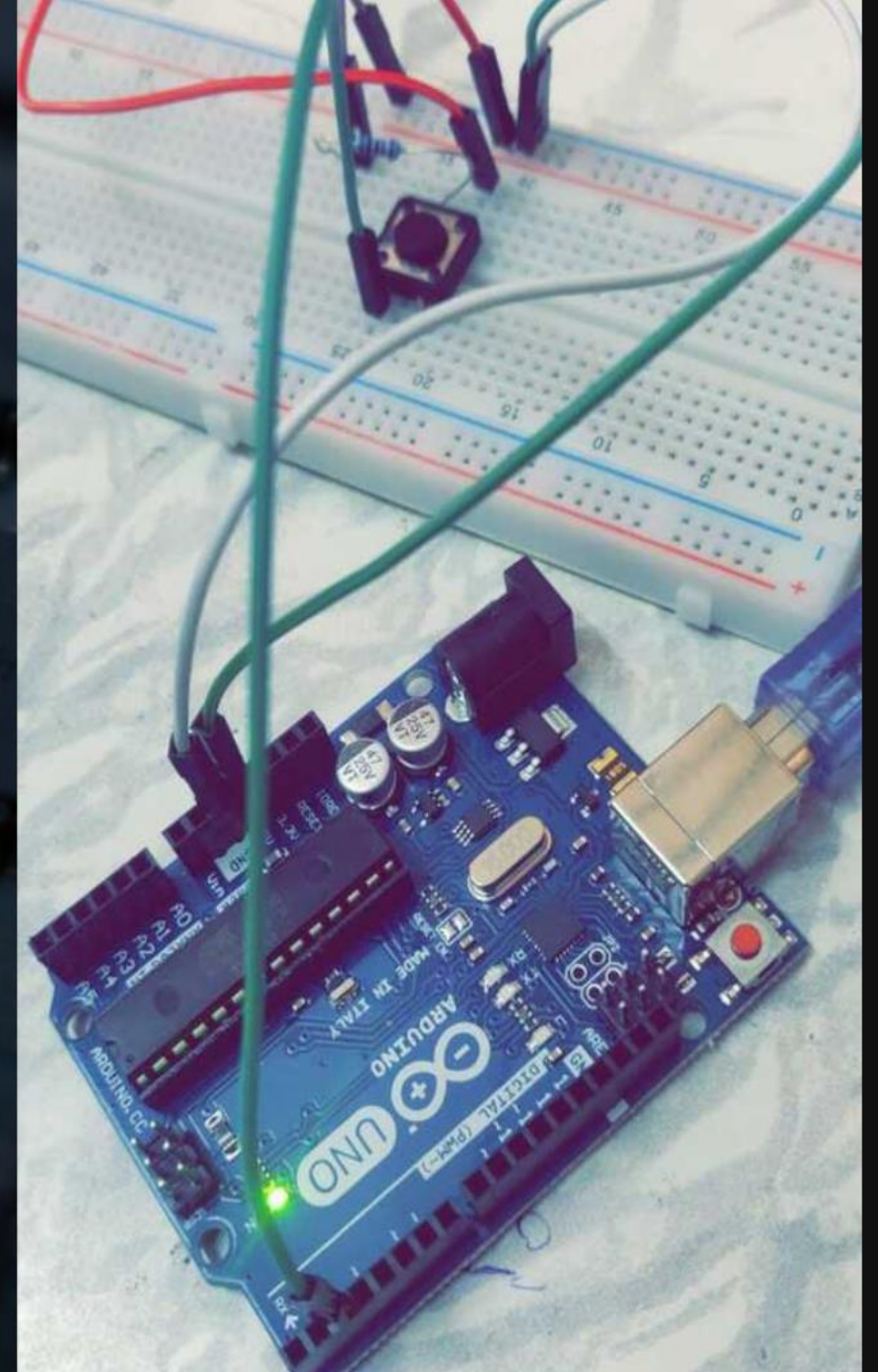
## What is SHE-SAFE?

*She-Safe is an IOT-Based service which allows the wearer to send her location details and instant messages to the concerned authorities and her guardians with just the press of a button*

# COMPONENTS

## HARDWARE

1. ARDUINO GENUINO/UNO (1)
2. BREADBOARD (1)
3. PUSH BUTTON (1)
4. RESISTOR(10K Ohms) (1)
5. JUMPER WIRES (FEMALE-TO-FEMALE) (5)
6. ARDUINO USB CABLE





# COMPONENTS

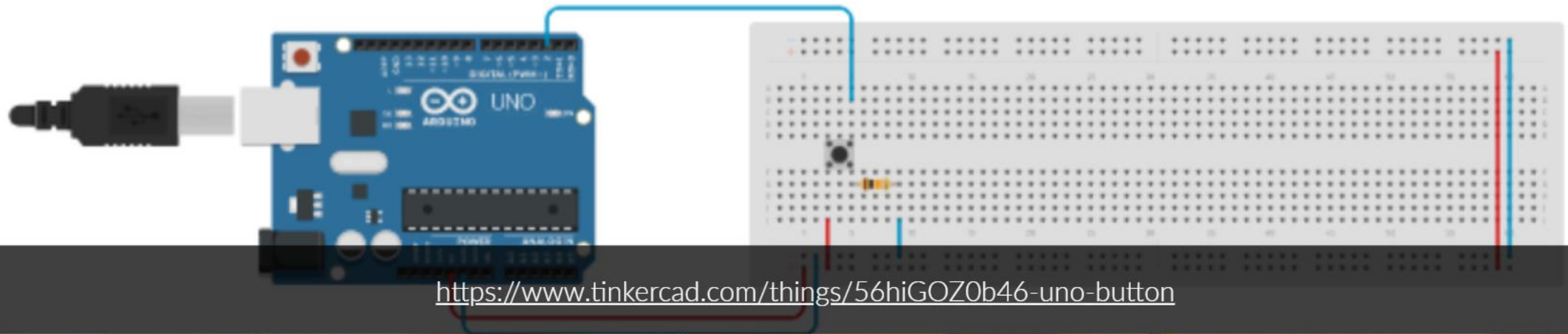
## SOFTWARE

1. ARDUINO IDE
2. NODE-RED
3. TWILIO
4. OWNTRACKS APP (ANDROID)
5. WEB APPS AZURE



# FRITZING

Used TINKERCAD for Fritzing and Simulation of the circuit given below

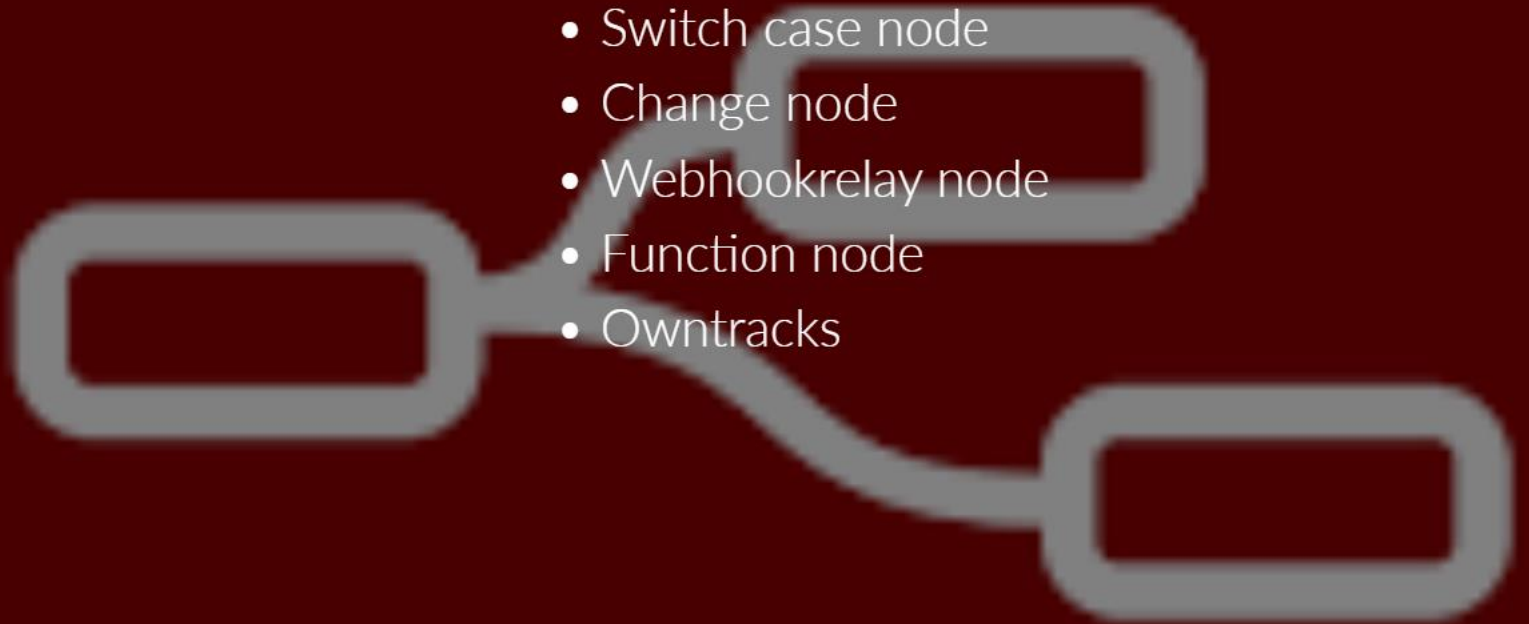


*Fritzing is an open-source initiative to develop amateur or hobby CAD software for the design of electronics hardware, to support designers and artists ready to move from experimenting with a prototype to building a more permanent circuit.*



# NODES USED IN NODE-RED FOR SIMULATING THE SET UP

- Tracks
- Worldmap
- Mqtt publish
- Mqtt subscribe
- Mosca Mqtt broker
- Twilio node
- Link in and link out
- Arduino Uno node
- Switch case node
- Change node
- Webhookrelay node
- Function node
- Owntracks



# NODES USED IN NODE-RED FOR SIMULATING THE SET UP

Node-red-contrib-mqtt-  
broker

Node-red-node-twilio

Node-red-node-arduino

Node-red-contrib-webhookrelay

Node-red-contrib-owntracks

Node-red-contrib-web-worldmap





# PROCESS STEPS



PRESS THE 'PANIC' BUTTON

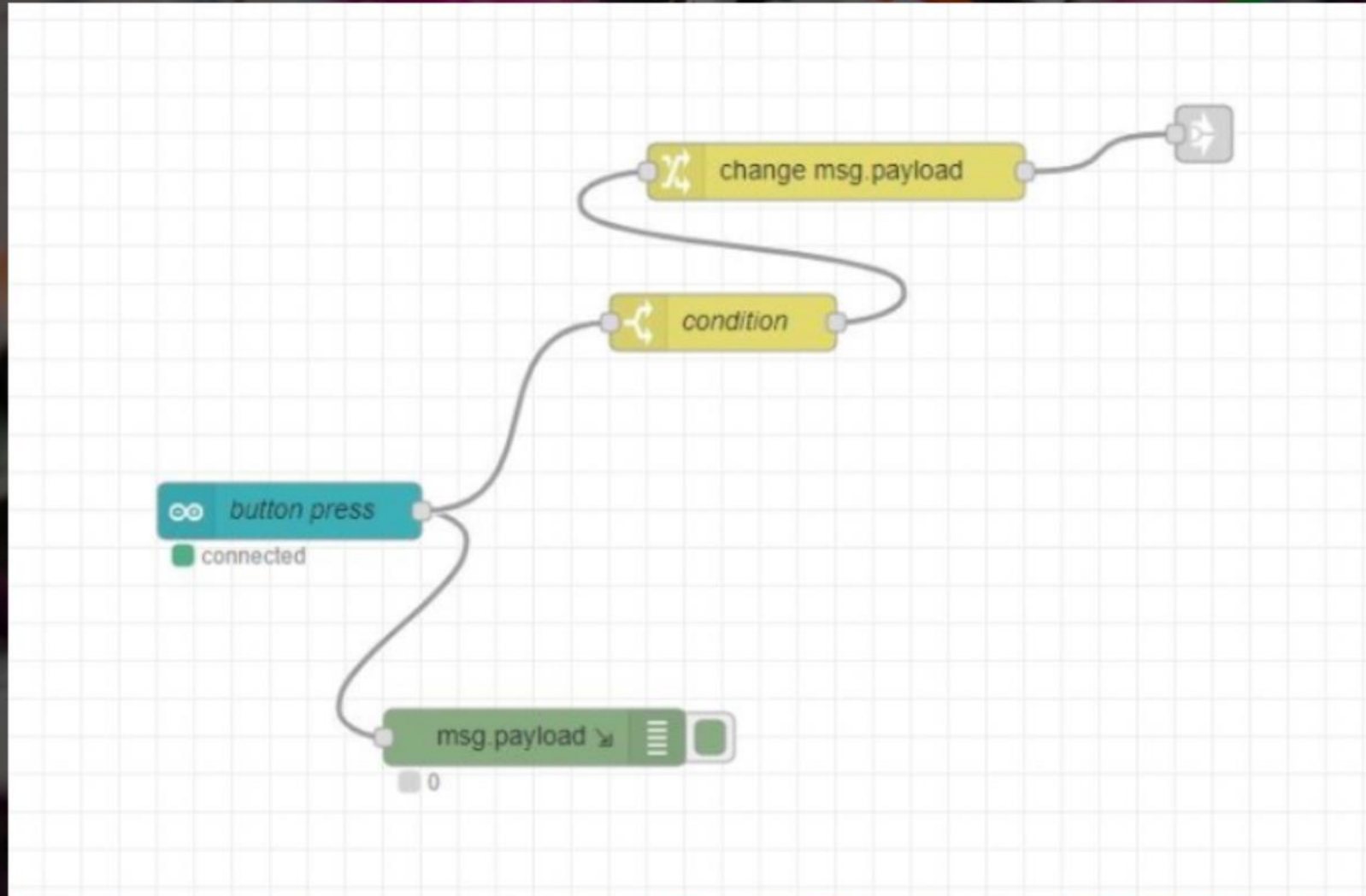


Sends current location details



Sends SMS of your location and details to  
Concerned Authorities and Guardians

# NODE RED FLOWS

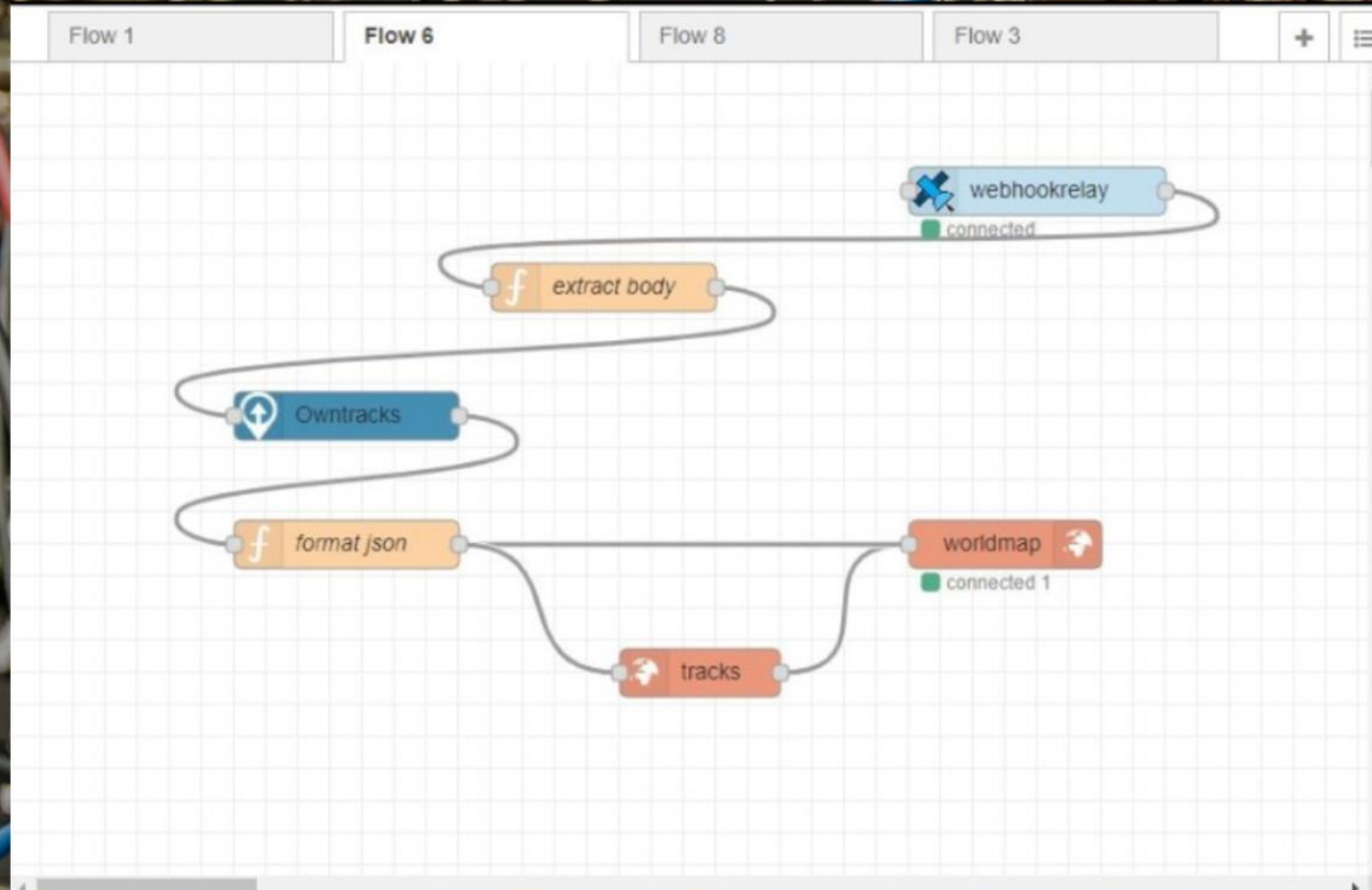


FLOW-1 : Connecting Arduino UNO Circuit to NODE-RED



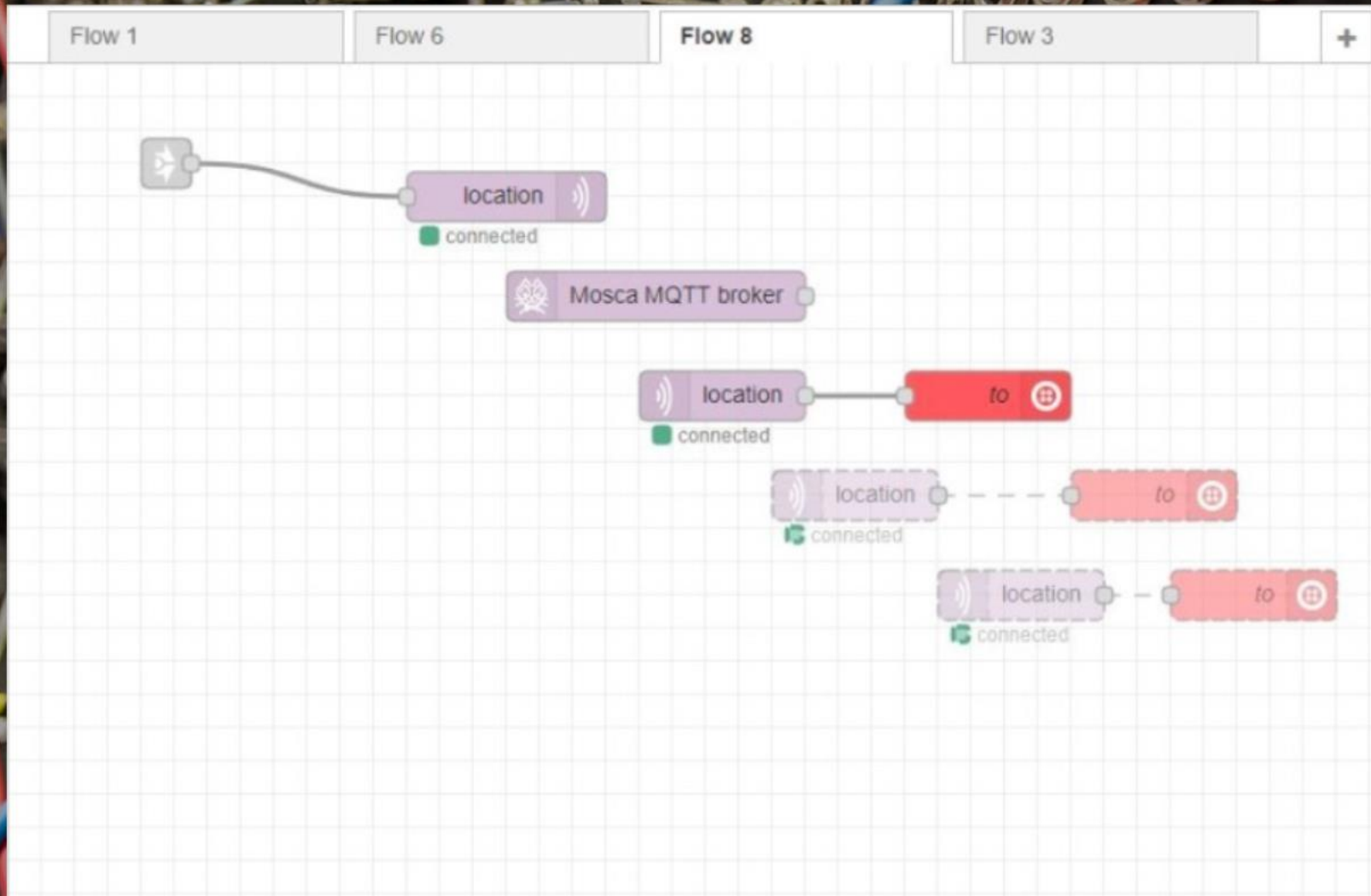
# FLOW-2

Getting location of the victim



# FLOW-3

## Getting SMS using TWILIO





A photograph of a Fender amplifier, likely a Twin Reverb, housed inside a clear acrylic display case. The case is placed on a light-colored, possibly concrete, floor. To the left of the case, a black guitar pedal is visible with several cables connected to it. Numerous black cables are scattered across the floor, some plugged into the back of the amplifier. The background shows a dark, possibly metal, structure. The word "DEMO" is overlaid in white, bold, sans-serif font in the center of the image.

# DEMO

[https://www.youtube.com/watch?v=1FK8HGANX\\_Q&t=269s](https://www.youtube.com/watch?v=1FK8HGANX_Q&t=269s)



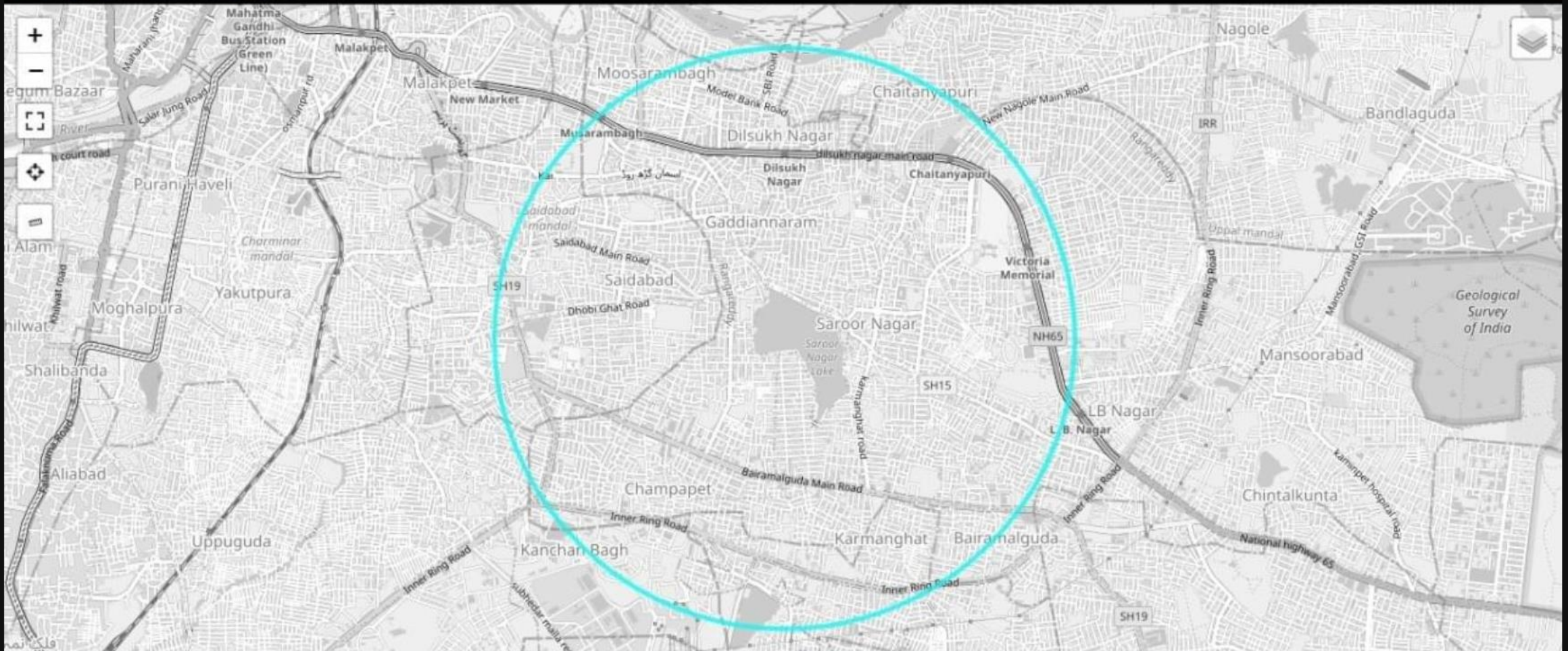
OUTPUT

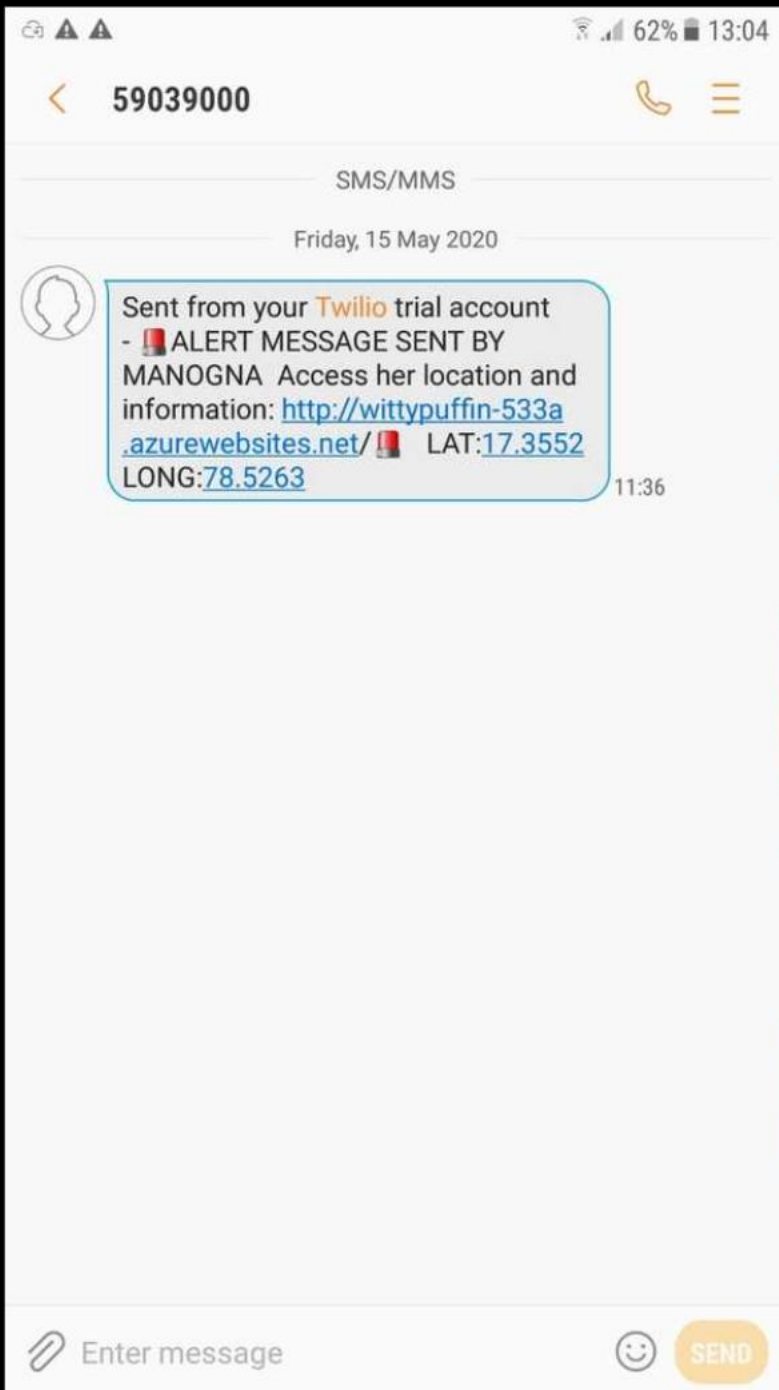


# Victim's Location using Webhook Relay and OwnTracks

## and displayed using WorldMap Node

Node-RED - map all the things



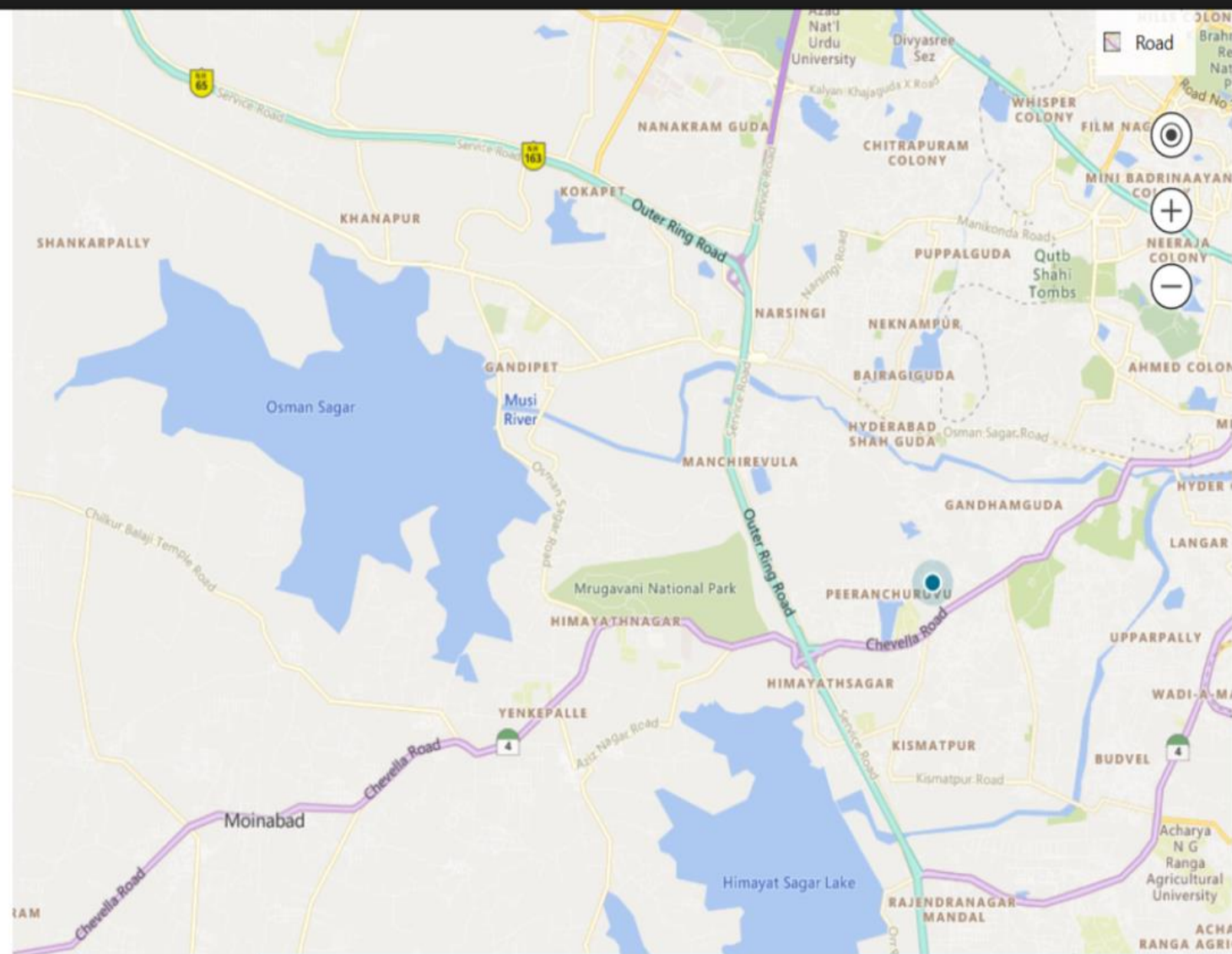


# Message from the Victim to the Guardians

## Using Twilio Node









[She-Safe](#)

[Victim Location Using Bing Maps](#)

[Location Cordinates](#)

[Contact](#)

# Latitude and Longitude Cordinates

Latitude: 17.358563693693366

Longitude: 78.37749740995372

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# Contact

## EMERGENCY CONTACT NUMBERS

Women Helpline ( All India ) - Women In Distress 1091  
Women Helpline Domestic Abuse 181  
Police 100  
National Commision For Women (NCW) [011-26942369](tel:011-26942369), 26944754  
Delhi Commision For Women [011-23378044](tel:011-23378044) / 23378317 / 23370597  
Outer Delhi Helpline [011-27034873](tel:011-27034873) , 27034874  
Student / Child Helpline 1098  
National Human Right Commision [011-23385368](tel:011-23385368)/ [9810298900](tel:9810298900)