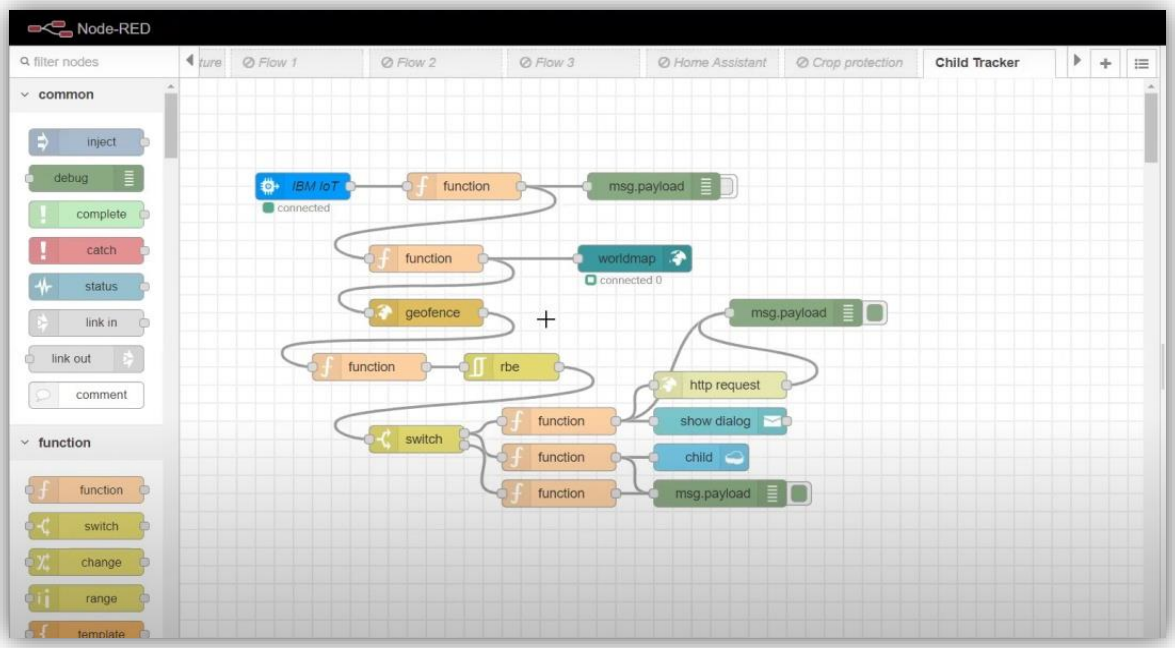
Develop The Web Application Using Node-RED

Date	**15/11/2022**
Team ID	**PNT2022TMlD33201**
Project Name	**Project-IoT Based Safety Gadget For Child Safety Monitoring & Notification**
MaximumMarks	**2 Marks**

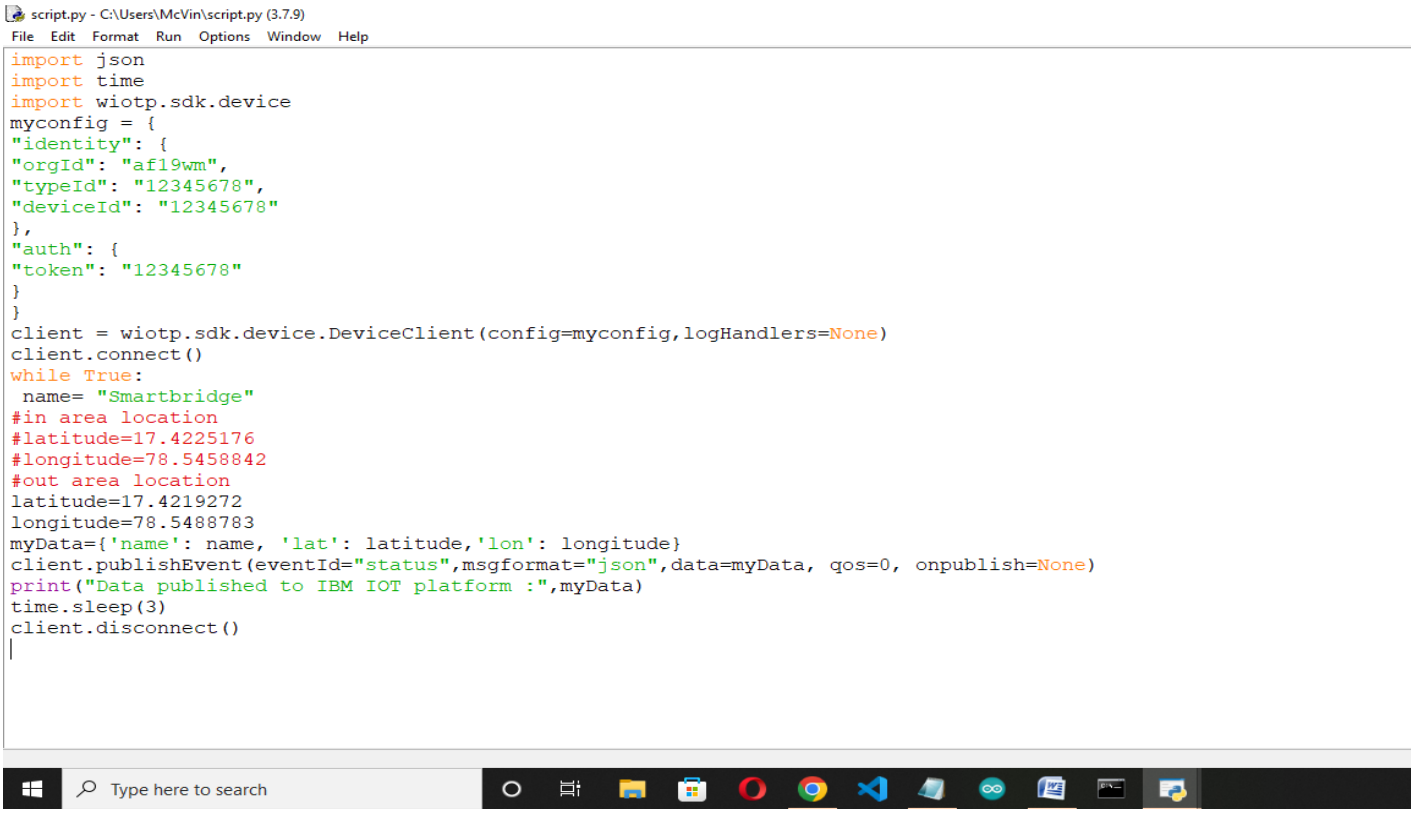
Aim:

To Develop the web application using Node-RED platform

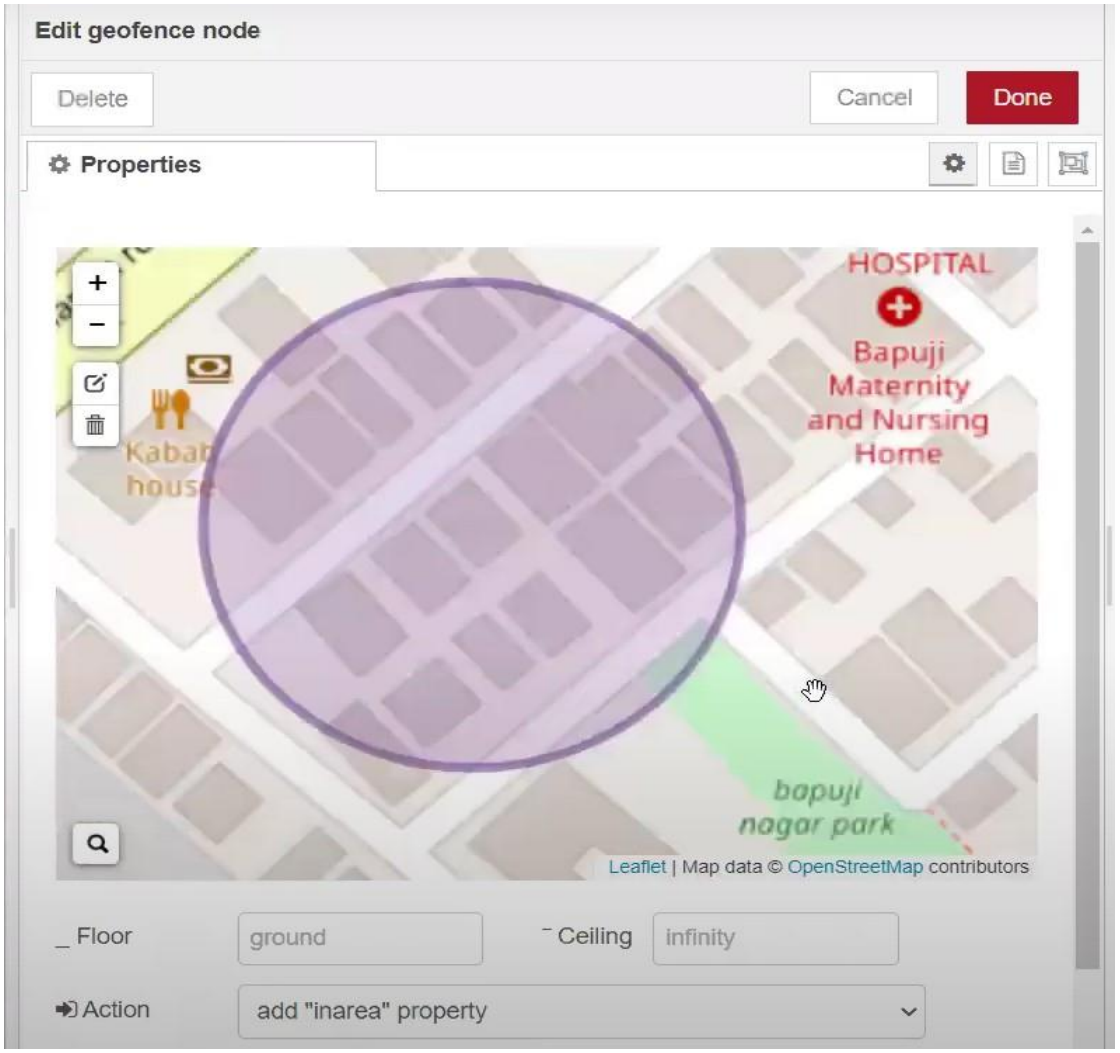


Steps to be Followed:

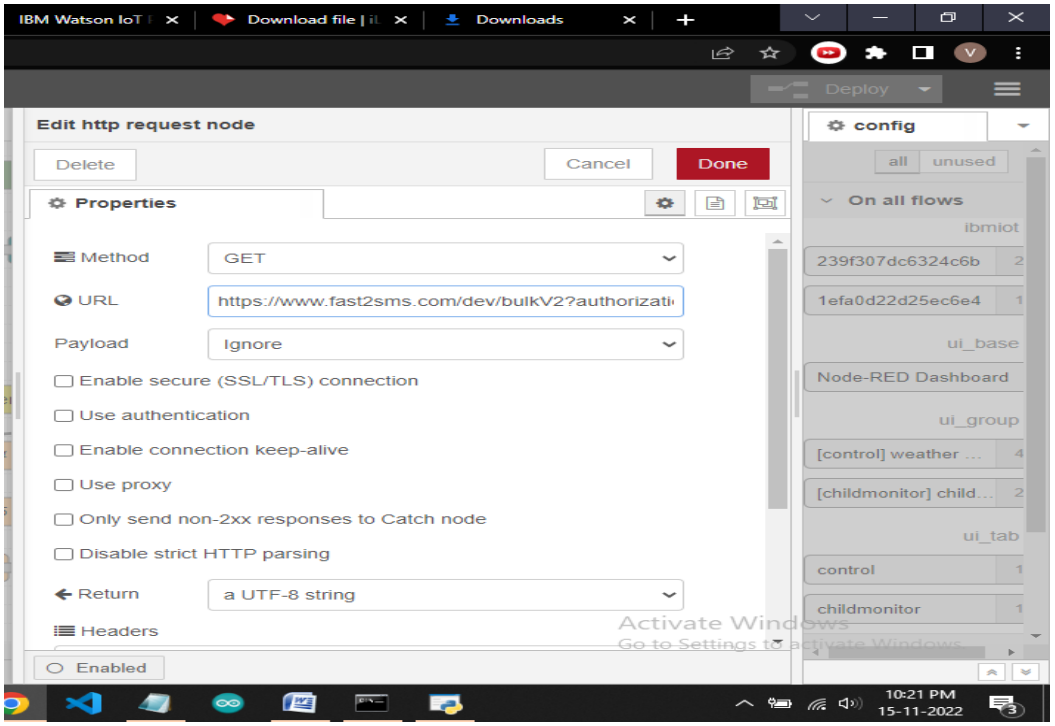
- Open a Node-RED project
- Add source code to get child location in python


script.py - C:\Users\McVin\script.py (3.7.9)
File Edit Format Run Options Window Help
import json
import time
import wiotp.sdk.device
myconfig = {
"identity": {
"orgId": "af19wm",
"typeId": "12345678",
"deviceId": "12345678"
},
"auth": {
"token": "12345678"
}
}
client = wiotp.sdk.device.DeviceClient(config=myconfig,logHandlers=None)
client.connect()
while True:
name= "Smartbridge"
#in area location
#latitude=17.4225176
#longitude=78.5458842
#out area location
latitude=17.4219272
longitude=78.5488783
myData={'name': name, 'lat': latitude,'lon': longitude}
client.publishEvent(eventId="status",msgformat="json",data=myData, qos=0, onpublish=None)
print("Data published to IBM IOT platform :",myData)
time.sleep(3)
client.disconnect()
Type here to search

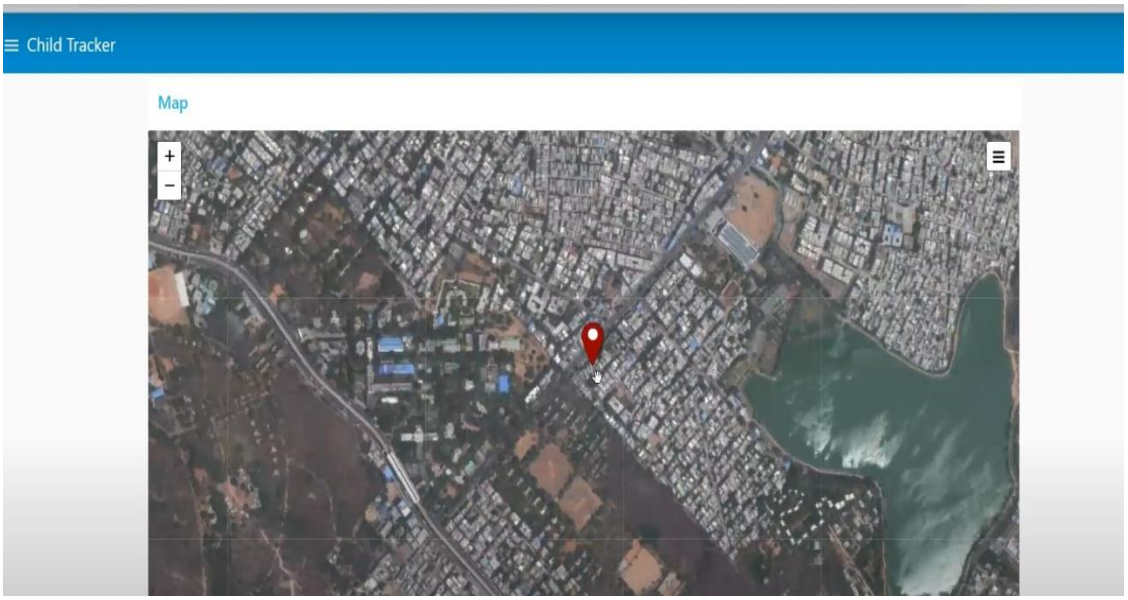
Created the GeoFence



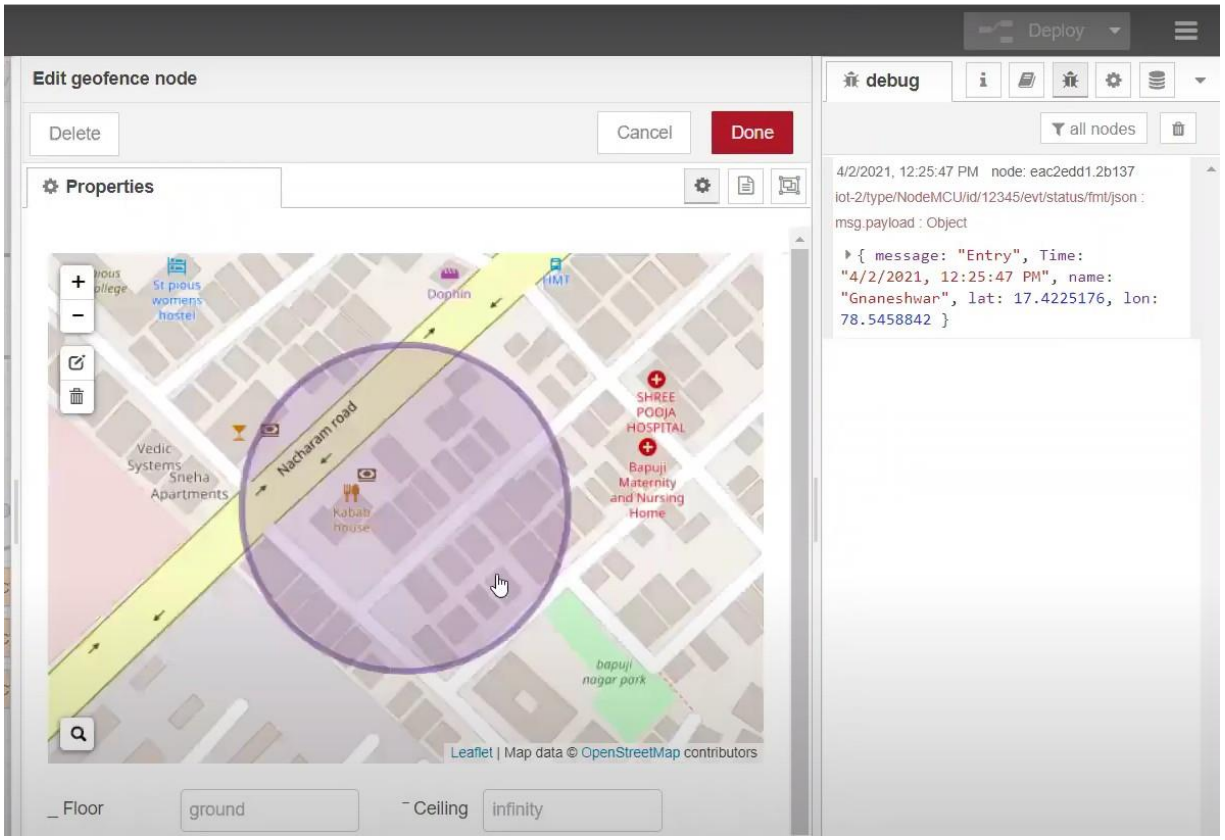
- Edit the HTTP Request URL



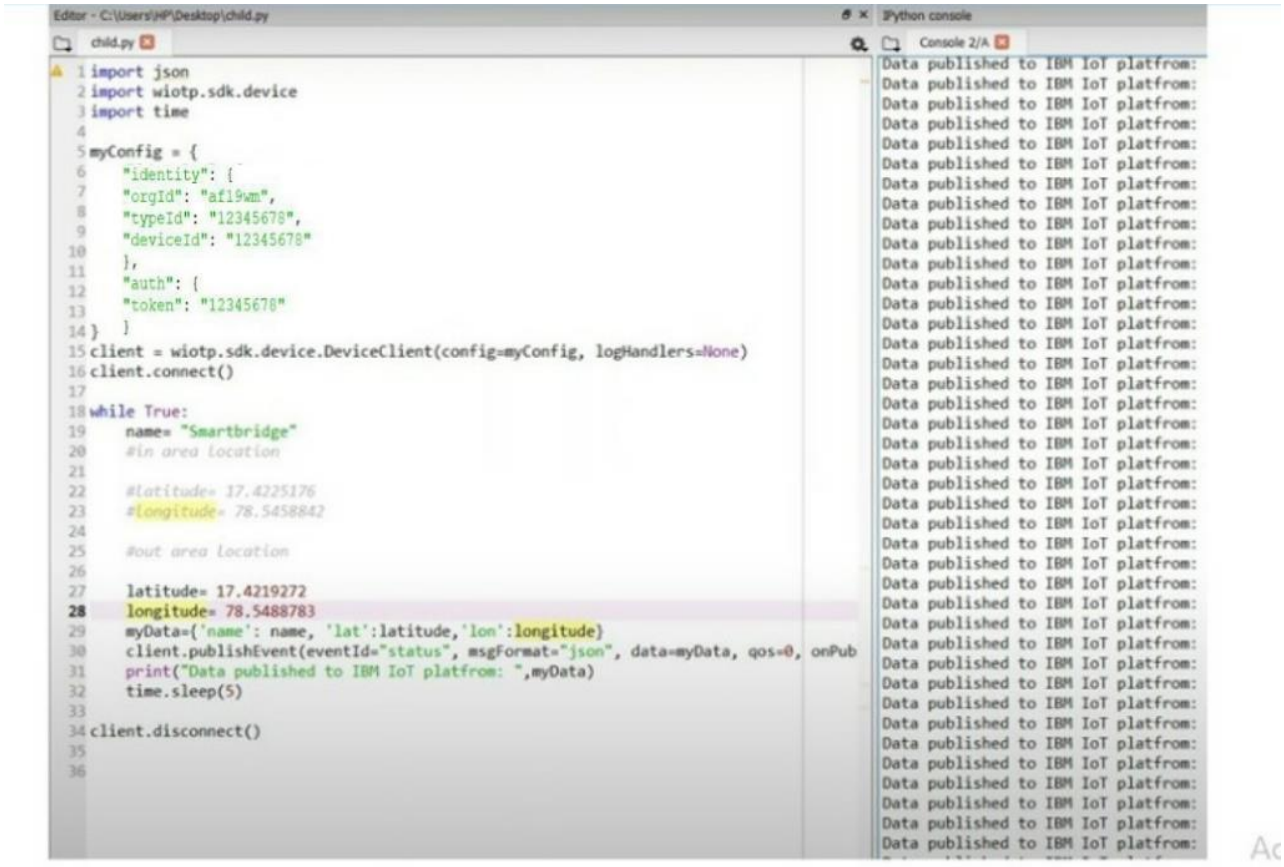
- Locate the child



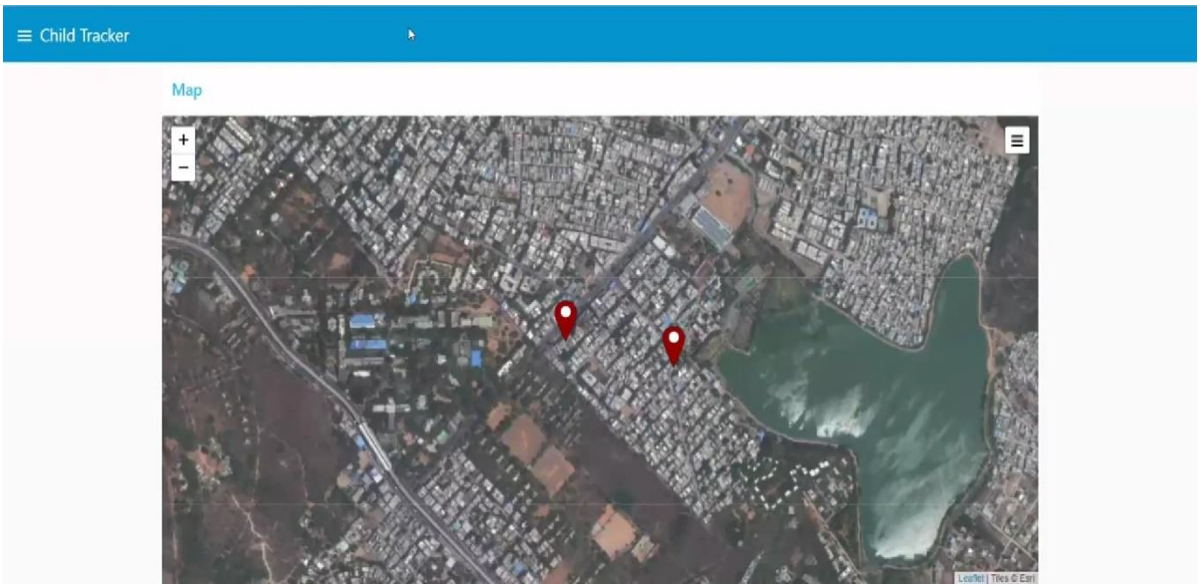
- Create the geofence node



- Python script sending requests to IBM Cloud



- After running the script, the web UI shows “Person is not in the particular area”



Result:

Thus to develop a web application using Node-RED to find the location of the child has been created successfully.