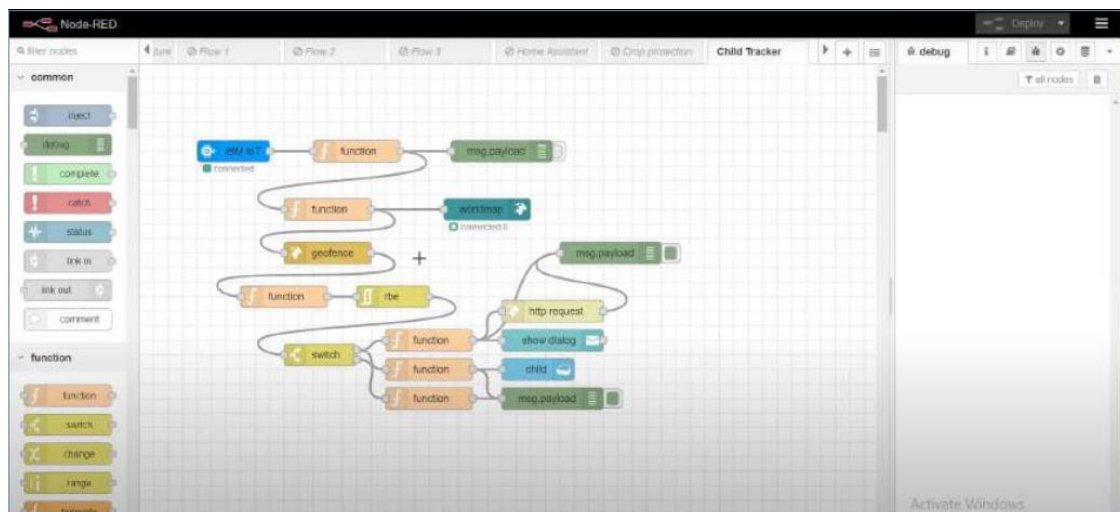


DEVELOP THE WEB APPLICATION USING NODE-RED

Team ID	PNT2022TMID38891
Project Name	IoT Based Safety Gadget for Child Safety Monitoring & Notification

STEPS:

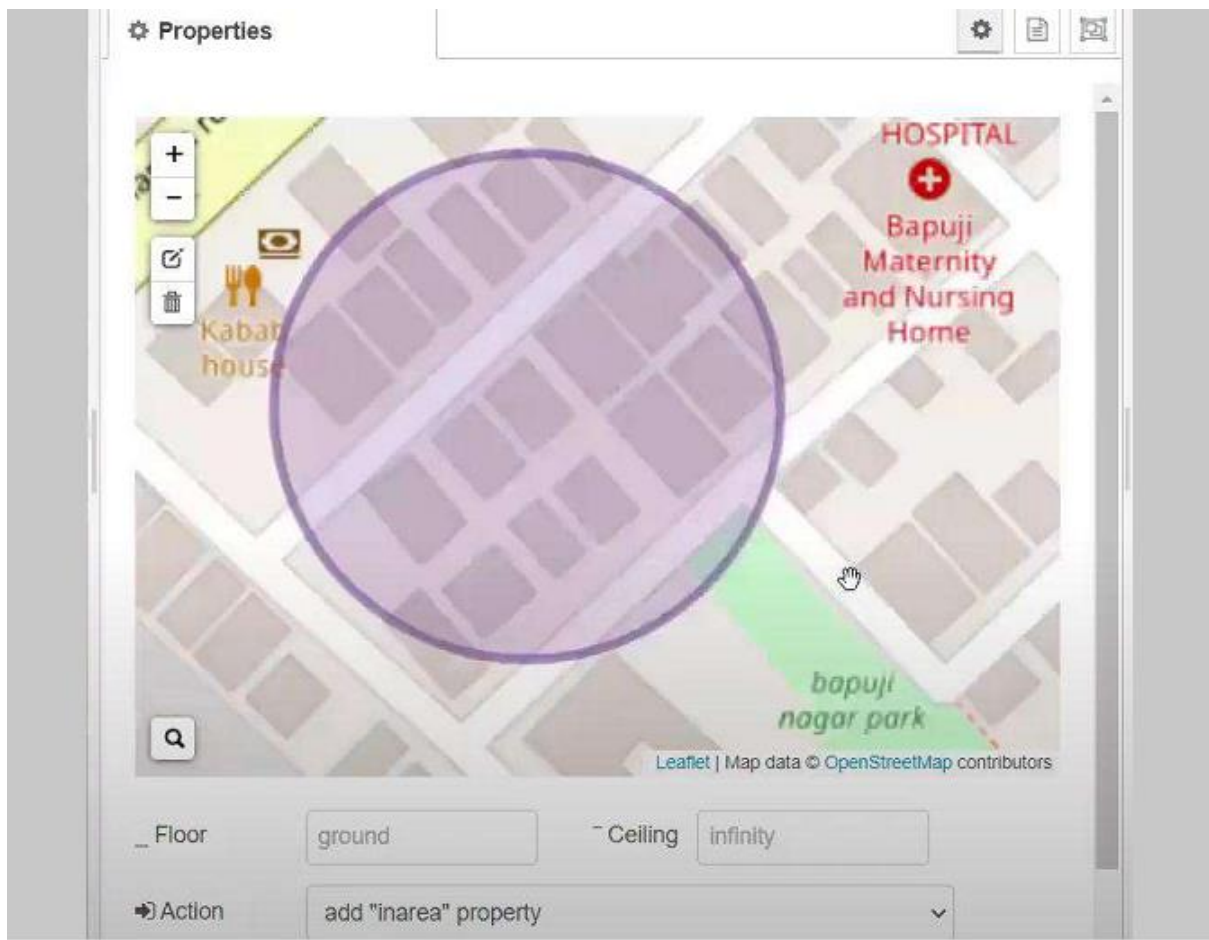
1.Open a Node-red Project



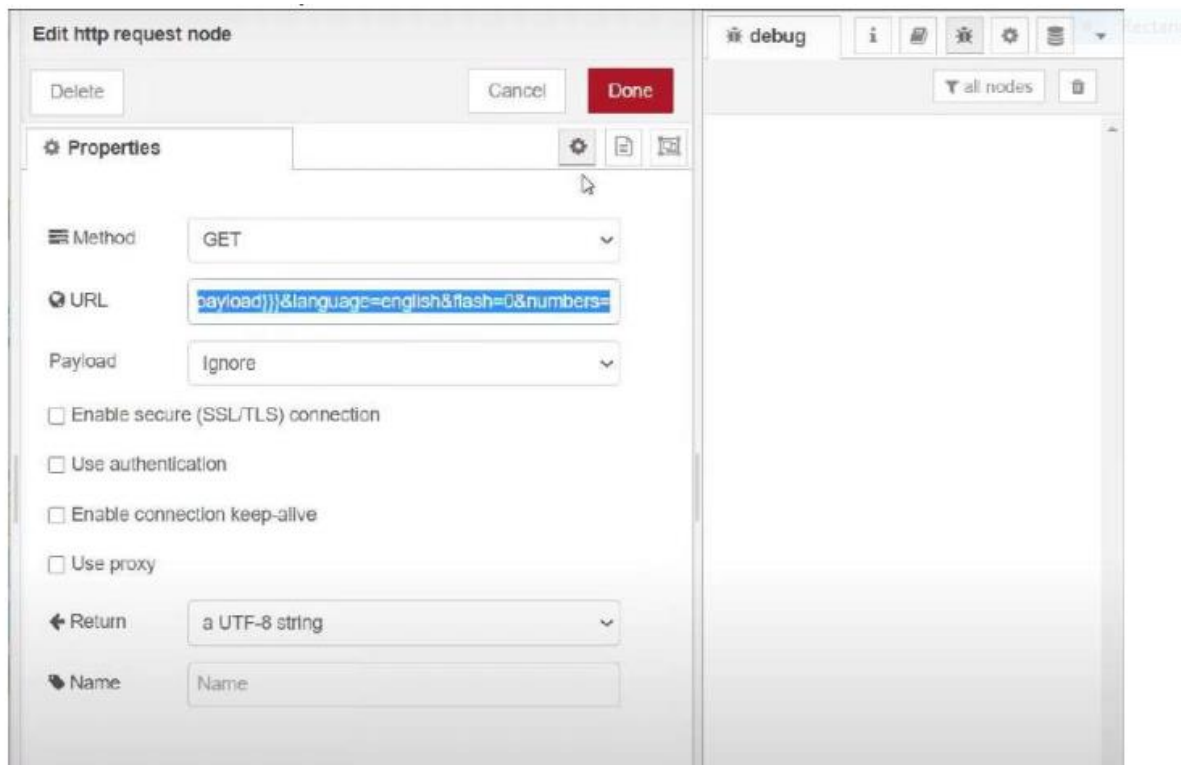
2.Add code to get child location in python

```
Convert Edit Organize Comment View Form Protect Foxit eSign Share Accessibility
py script.py - C:/Users/hp/Desktop/py script.py (3.11.0)
File Edit Format Run Options Window Help
import json
import wiotp.sdk.device
import time
myconfig = {
    "identity": {
        "orgId": "ulzaqt",
        "typeId": "Child_Safety_Gadgets",
        "deviceId": "54321"
    },
    "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, onpub
    print("Data published to IBM IOT platform :", myData)
    time.sleep(5)
    client.disconnect()
    import json
    import wiotp.sdk.device
    import time
    myconfig = {
        "identity": {
            "orgId": "ulzaqt",
            "typeId": "Child_Safety_Gadgets",
            "deviceId": "54321"
        },
        "auth": {
            "token": "12345678"
        }
    }
```

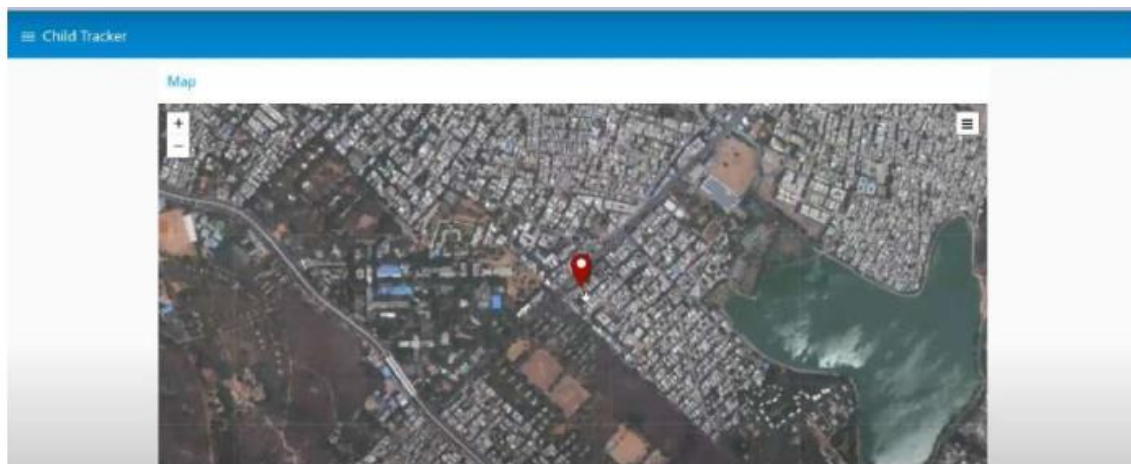
3. Create the geofence



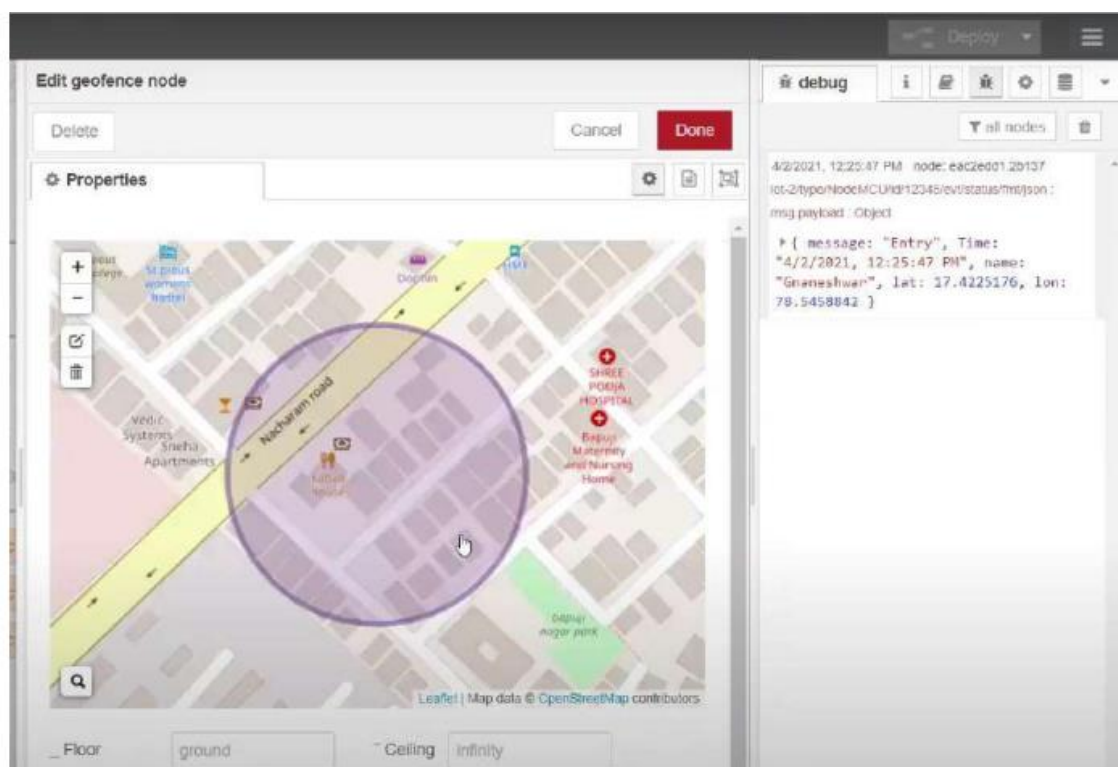
4. Edit the http request URL



5. Locate the child

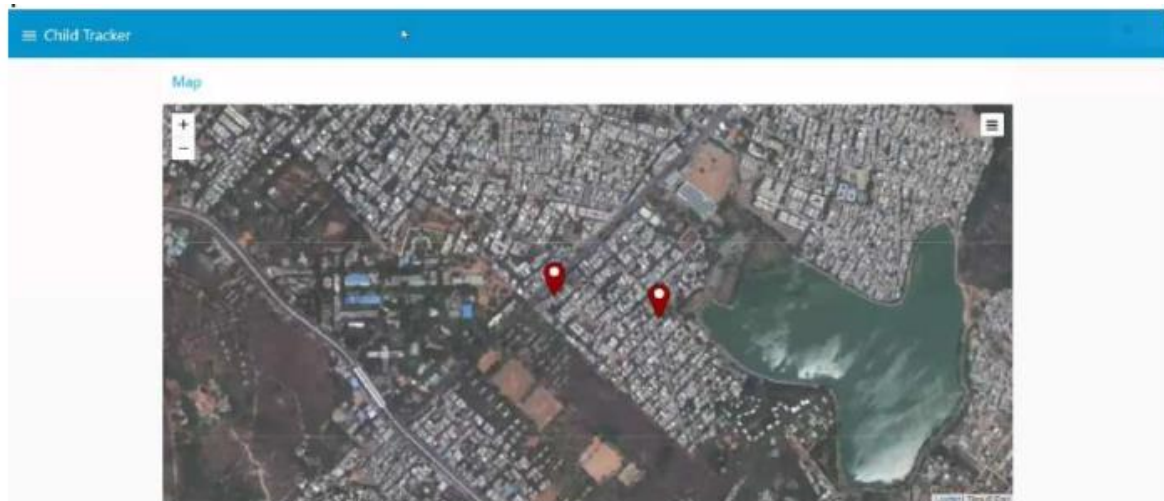


6. Create the geofence node



Python script send request to IBM cloud

7. After running the script, the web UI shows "Person is not in the particular area"



Conclusion:

Developed the web application using Node-RED Successfully