## DEVELOP A WEB APPLICATION USING NODE-RED SERVICE.

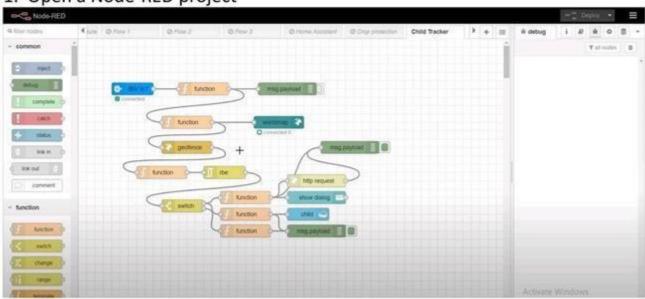
**TEAM ID:PNT2022TMID36623** 

Member1:Team lead:BANDLA VENU MADHAV

Member2:KUMAR.A

Member3:BALU SUNDAR T.S Member4:SARAVANAN.V

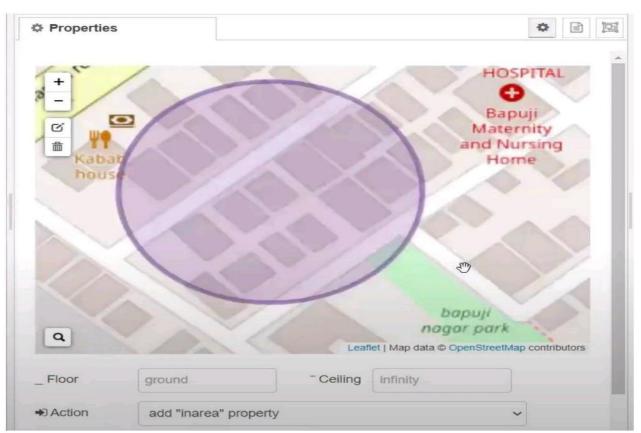
Open a Node-RED project



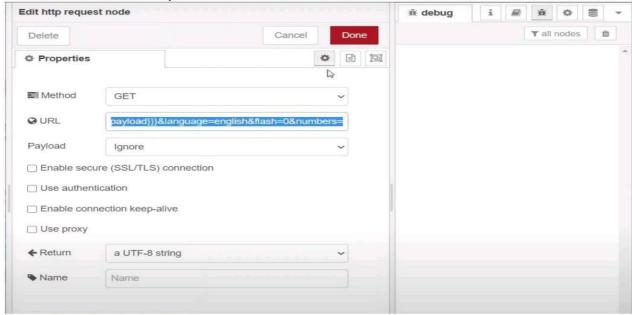
# 2. Add code to get child location in python

```
import json
import wiotp.sdk.device
import time
myConfig = {
    "identity": {
    "orgId": "hj5fmy",
    "typeId": "NodeMCU",
        "deviceId": "12345"
    "auth": (
        "token": "12345678"
client = wiotp.sdk.device.DeviceClient(config=myConfig, logHandlers=None)
client.connect()
Thile 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 ToT platfrom: ",myData)
        time.sleep(5)
client.disconnect()
```

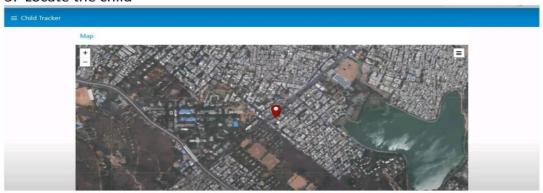
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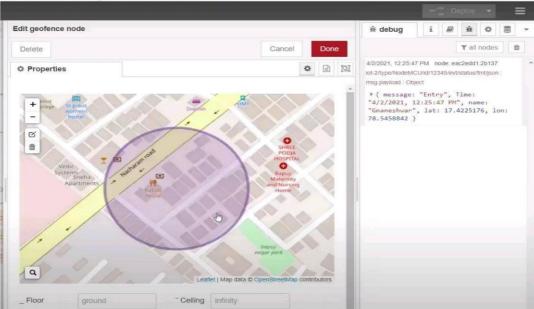
4. Edit the HTTP Request URL



### 5. Locate the child



6. Create the geofence node



7. Python script send requests to IBM Cloud



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



#### Conclusion:

Developed the web application using Node-RED Successfully