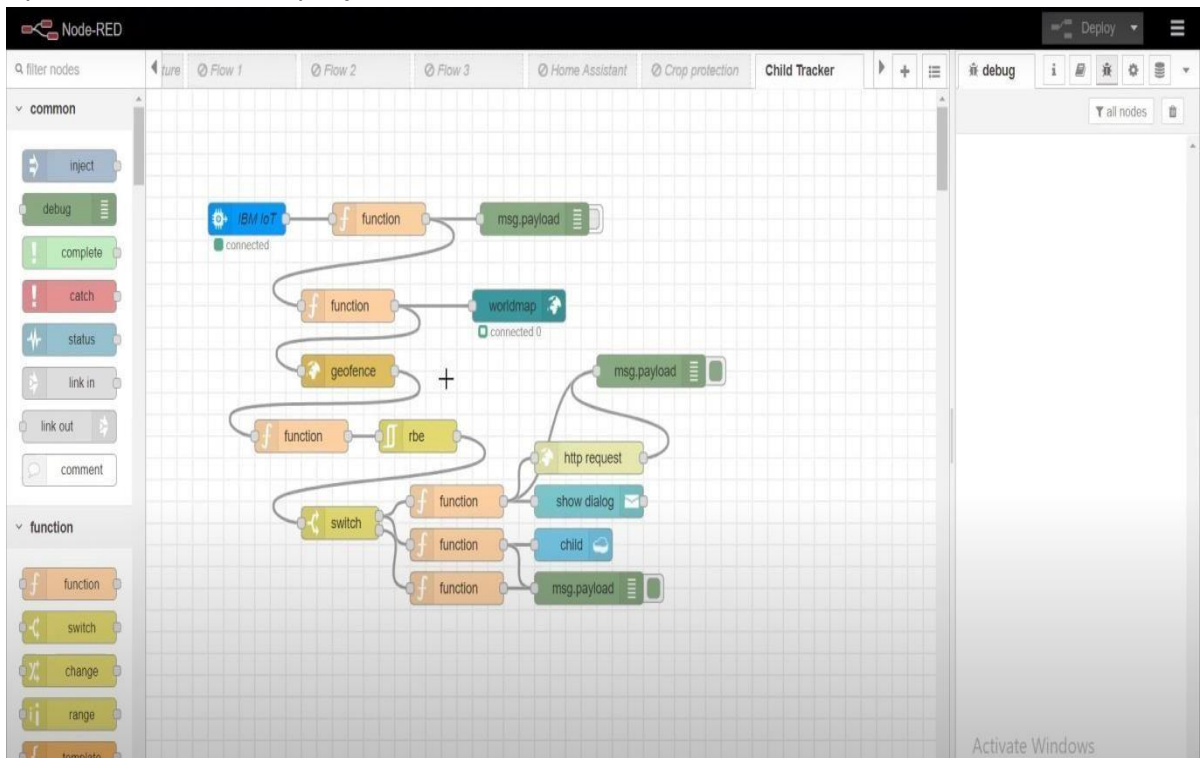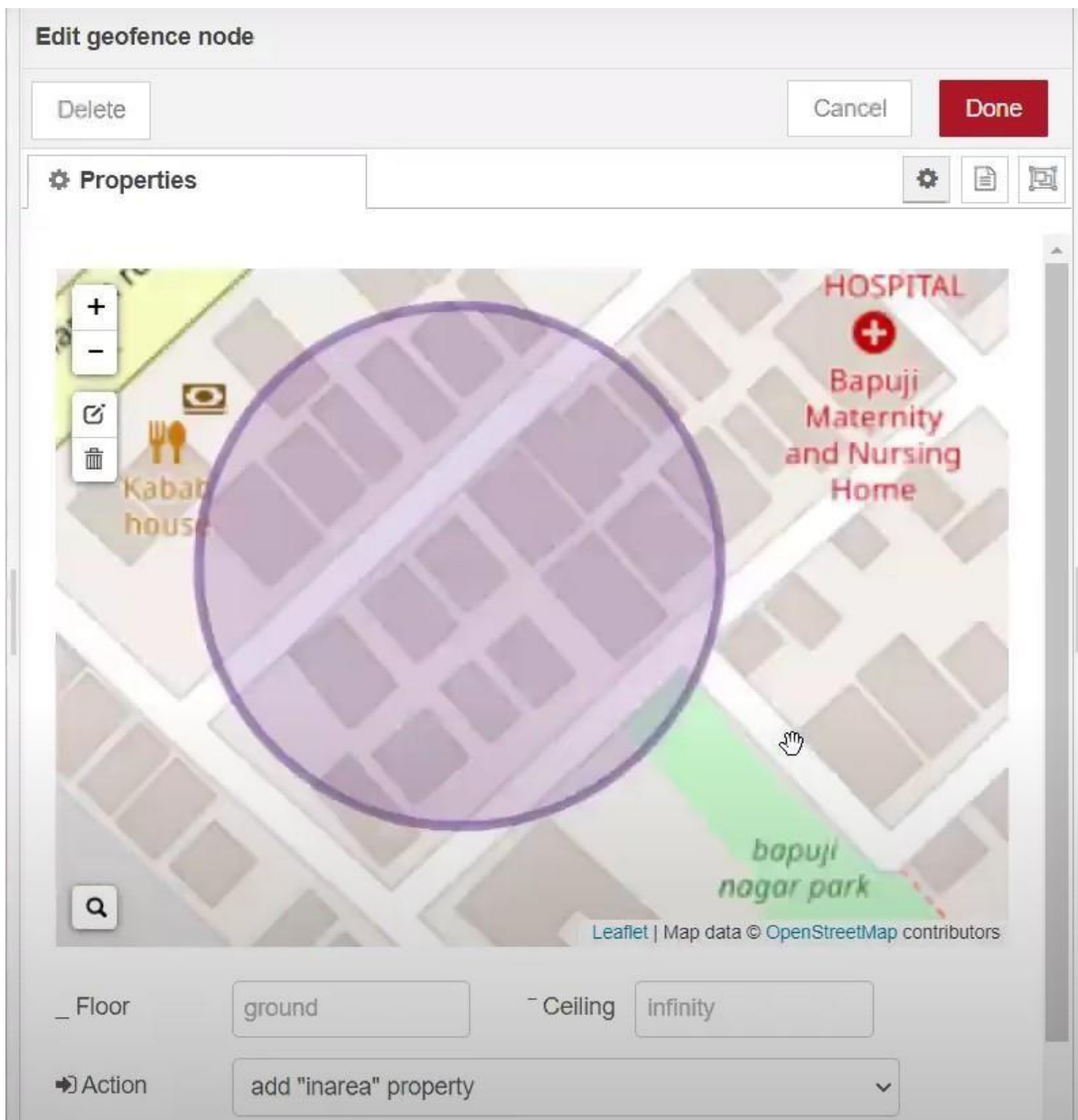# Develop A Web Application Using Node-RED

Team ID	PNT2022TMID03637
ProjectName	Project-IoT Based Safety Gadge tFo rChild Safety Monitoring and Notification

● Opened a Node-RED project

Created the Geo Fence

Edit geofence node

Delete   Cancel   **Done**

⚙ **Properties**   ⚙ 📄 🖾

Leaflet | Map data © OpenStreetMap contributors

_ Floor   ground   ⁻ Ceiling   infinity

⇥ Action   add "inarea" property   ∨
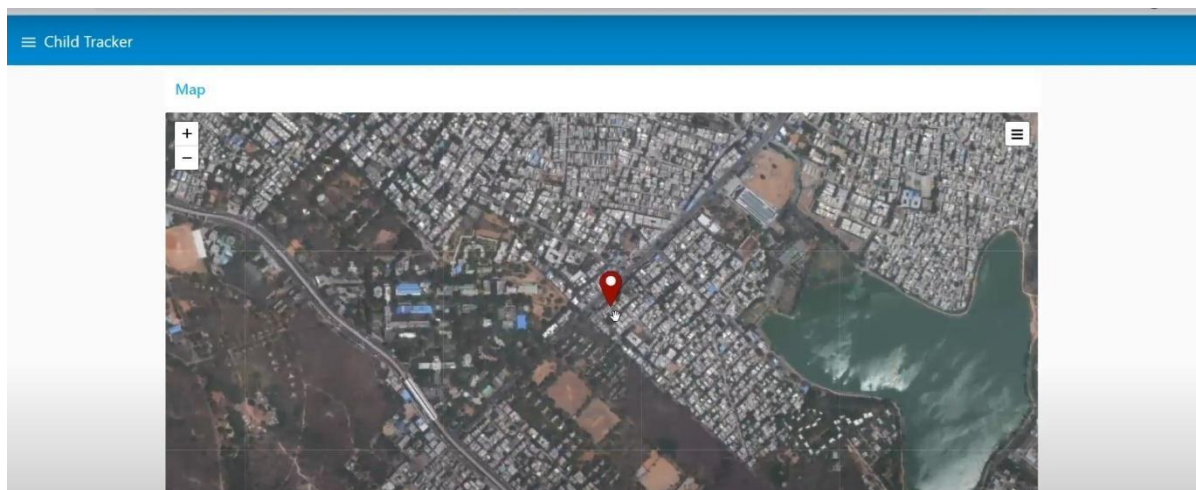
-

- Edit the HTTP Request URL
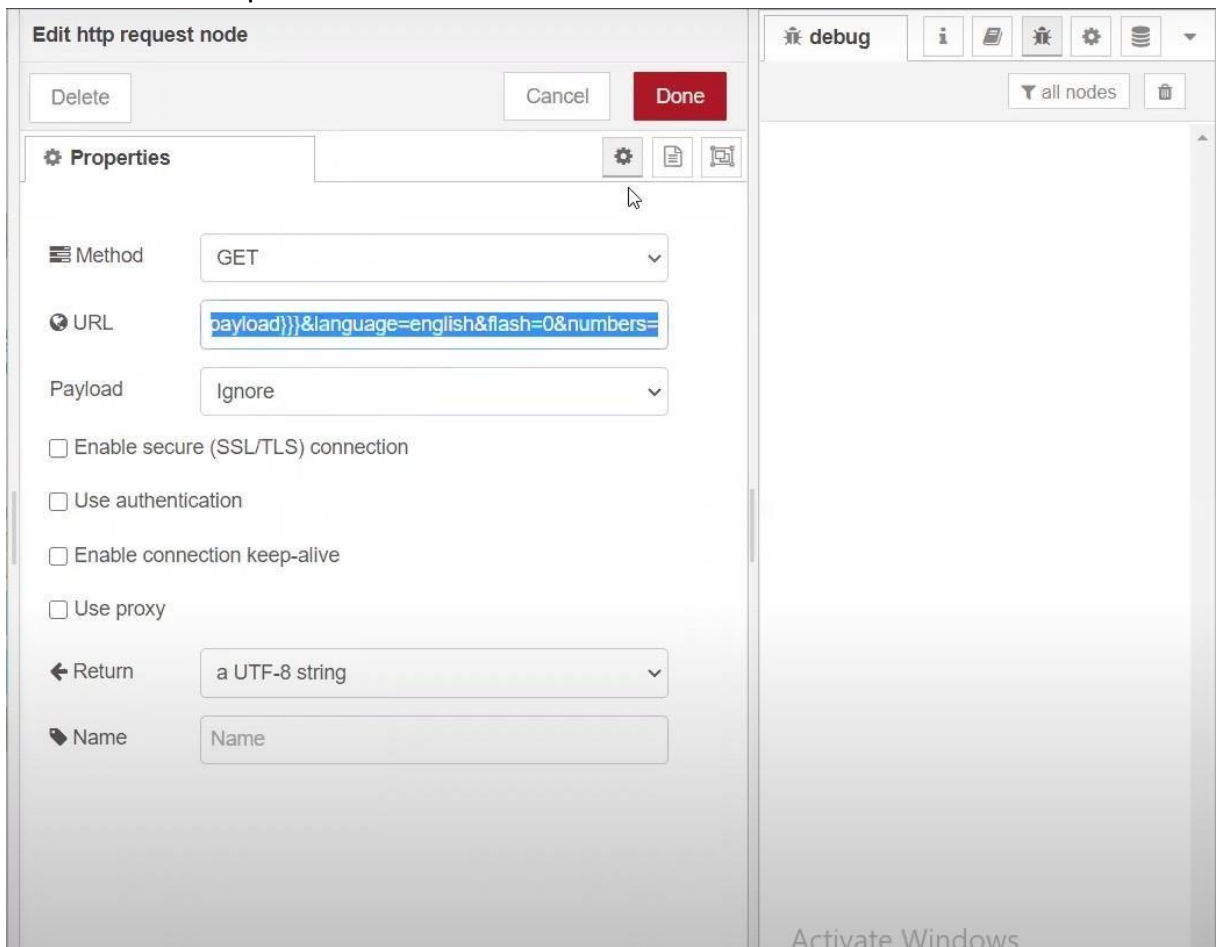
- Located the child

Created the geo fence node

-

- Python script sending requests to IBM Cloud

-


```
 1 import json
 2 import wiotp.sdk.device
 3 import time
 4
 5 myConfig = {
 6     "identity": {
 7         "orgId": "hj5fmy",
 8         "typeId": "NodeMCU",
 9         "deviceId": "12345"
10     },
11     "auth": {
12         "token": "12345678"
13     }
14 }
15 client = wiotp.sdk.device.DeviceClient(config=myConfig, logHandlers=None)
16 client.connect()
17
18 while True:
19     name= "Smartbridge"
20     #in area location
21
22     #latitude= 17.4225176
23     #longitude= 78.5458842
24
25     #out area location
26
27     latitude= 17.4219272
28     longitude= 78.5488783
29     myData={'name': name, 'lat':latitude,'lon':longitude}
30     client.publishEvent(eventId="status", msgFormat="json", data=myData, qos=0, onPub
31     print("Data published to IBM IoT platfrom: ",myData)
32     time.sleep(5)
33
34 client.disconnect()
35
36
```

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

Result: Successfully developed a web application using Node-RED