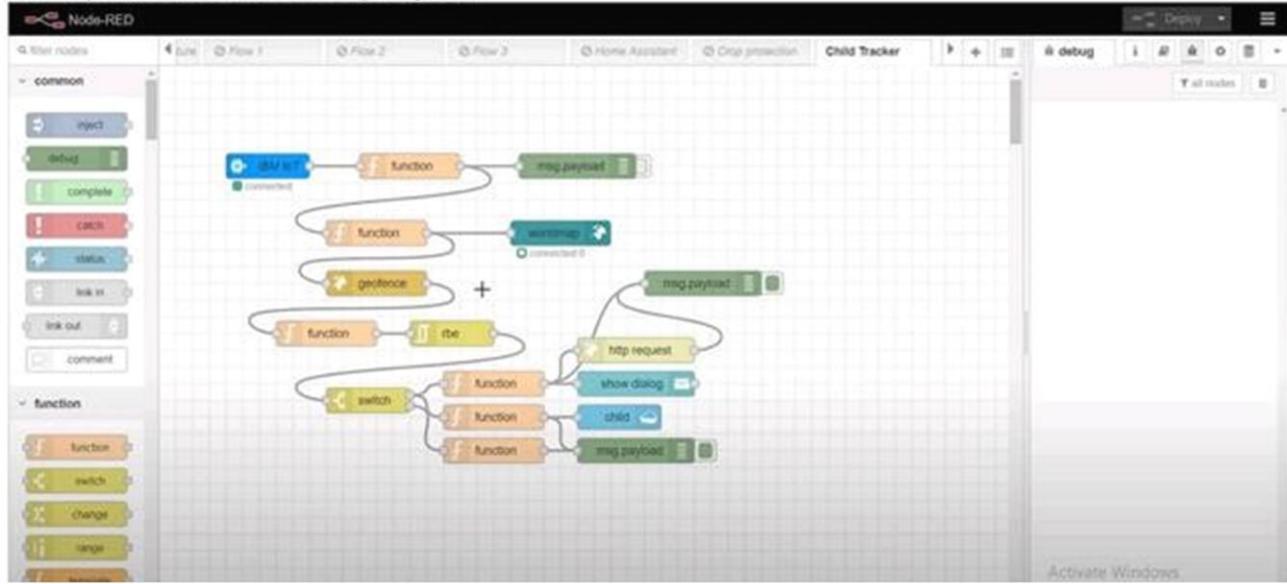


TEAM ID: PNT2022TMID25796
Develop a web application using node-red service

1. 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()

while True:
    name= "Smartbridge"
    #in area location

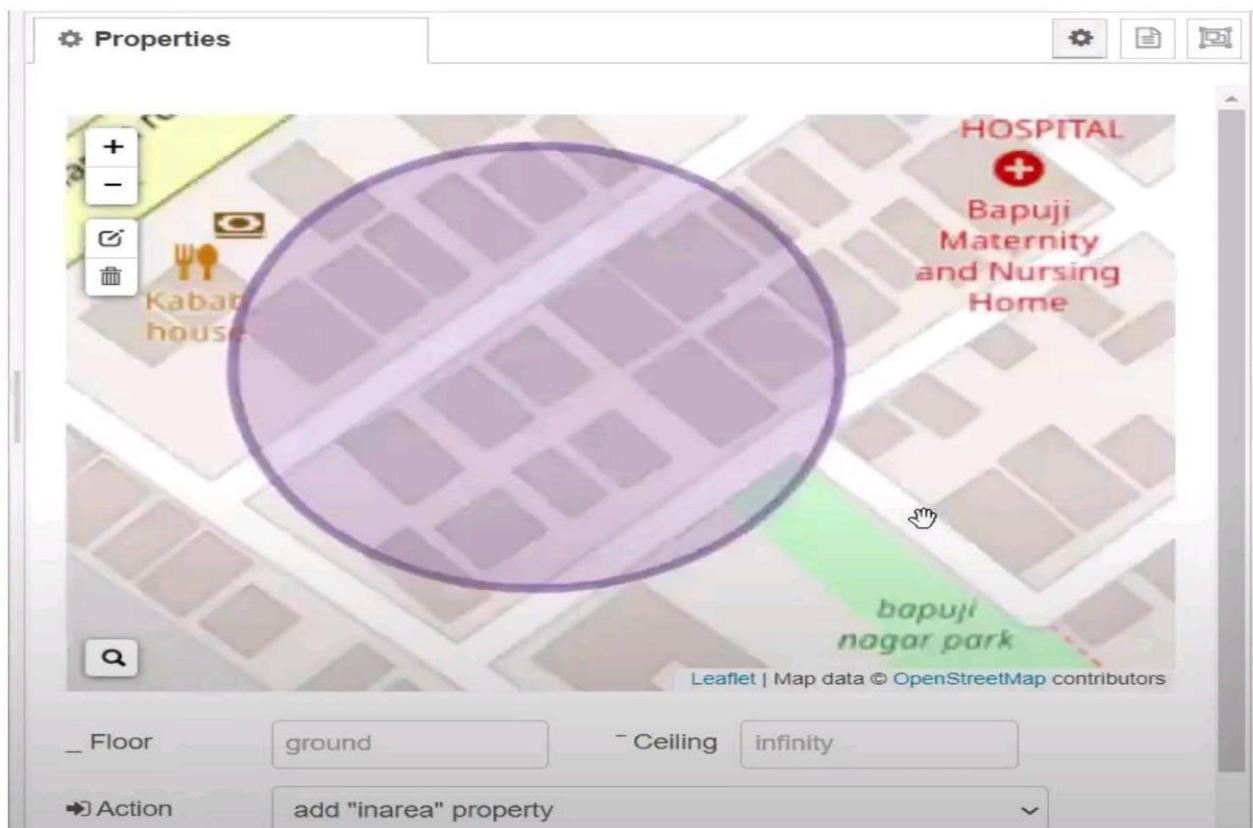
    latitude= 17.4225176
    longitude= 78.5458842

    #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(5)

client.disconnect()
```

3.LOCATE



4. Edit the HTTP Request URL

Edit http request node

Properties

Method: GET

URL: payload)))&language=english&flash=0&numbers=

Payload: Ignore

Enable secure (SSL/TLS) connection

Use authentication

Enable connection keep-alive

Use proxy

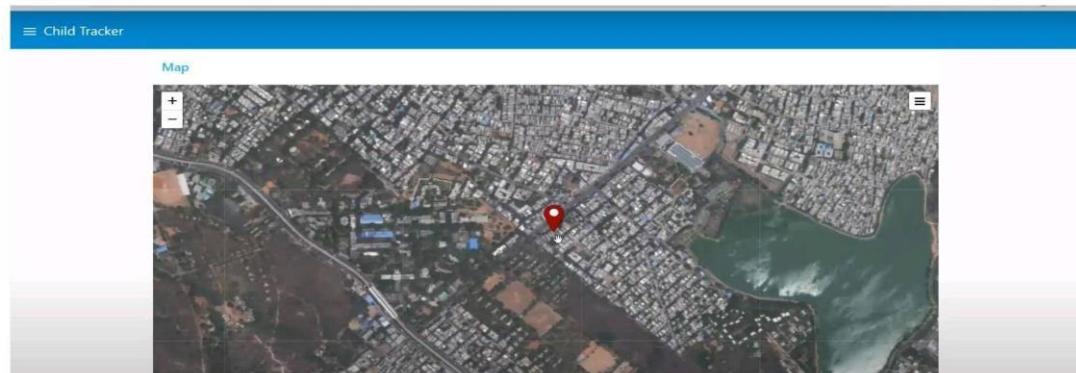
Return: a UTF-8 string

Name: Name

debug

4/2/2021, 12:25:47 PM node: eac2edd1.2b137
iot-2/type/NodeMCUId/12345/evt/status/fmt/json :
msg.payload: Object

5. Locate the child



6. Create the geofence node

Edit geofence node

Properties

Map

Nucharam road

Kabali house

Bapuji Maternity and Nursing Home

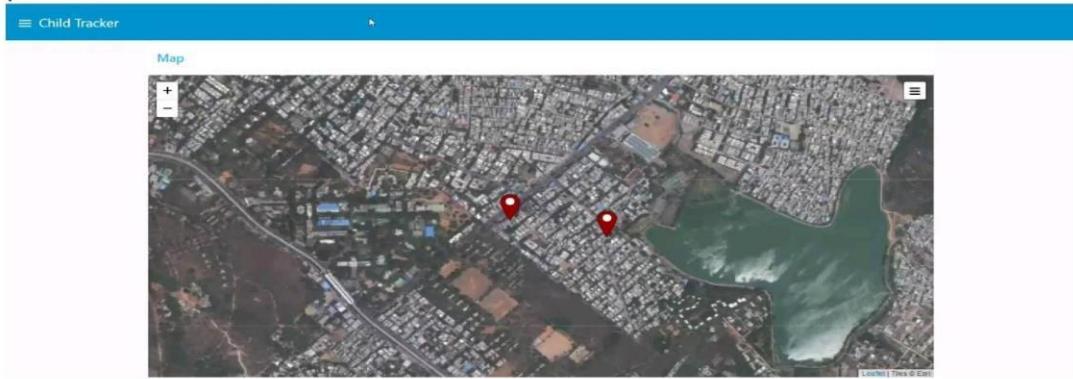
bapuji nagar park

debug

4/2/2021, 12:25:47 PM node: eac2edd1.2b137
iot-2/type/NodeMCUId/12345/evt/status/fmt/json :
msg.payload: Object

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