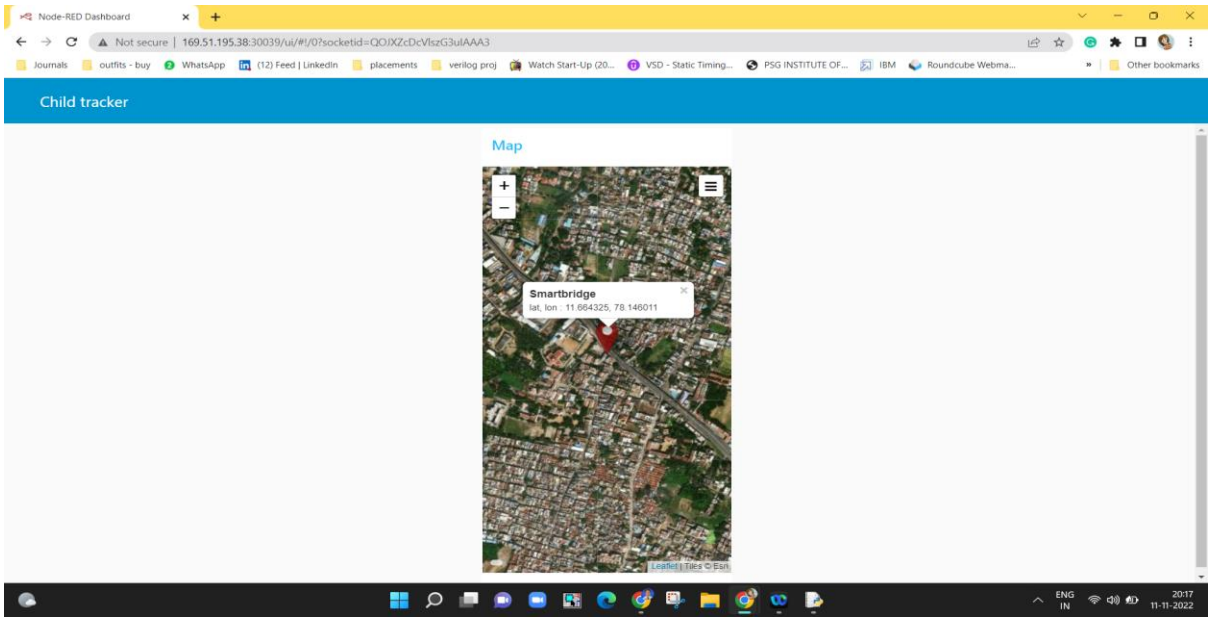
SPRINT-3

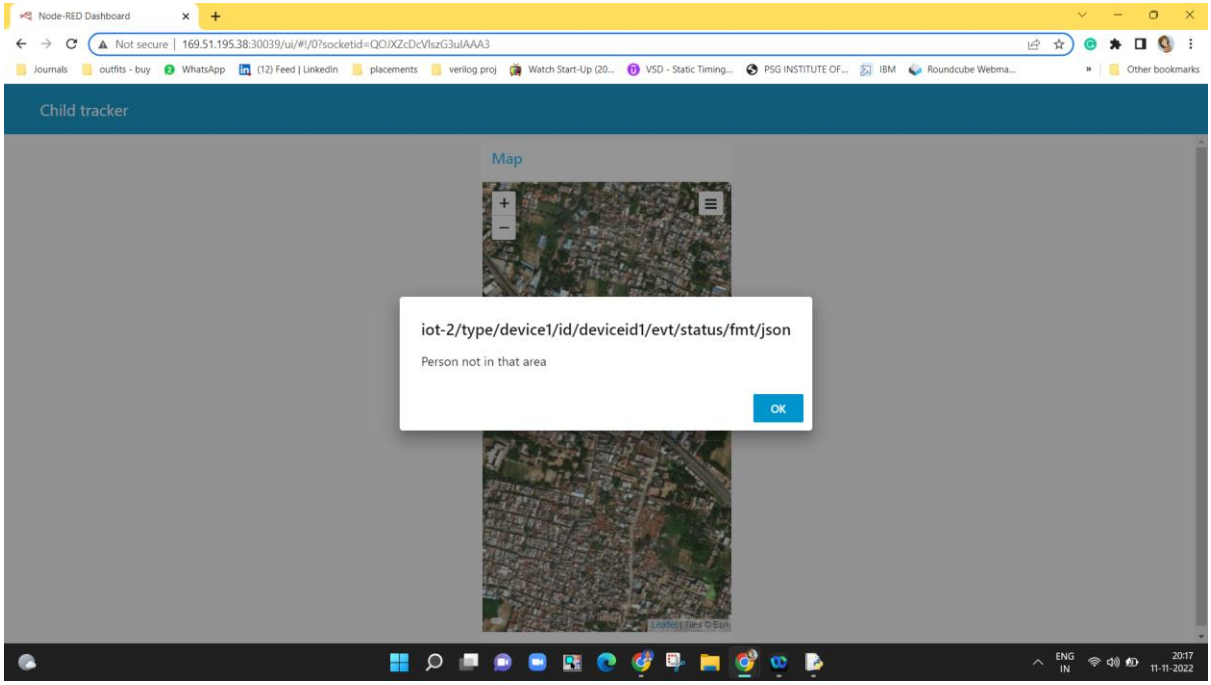
Date	5 October 2022
Team ID	PNT2022TMID52857
Project Name	IoT-Based Safety Gadget for Child Safety Monitoring and Notification
Maximum Marks	

Child within the Geo fence:

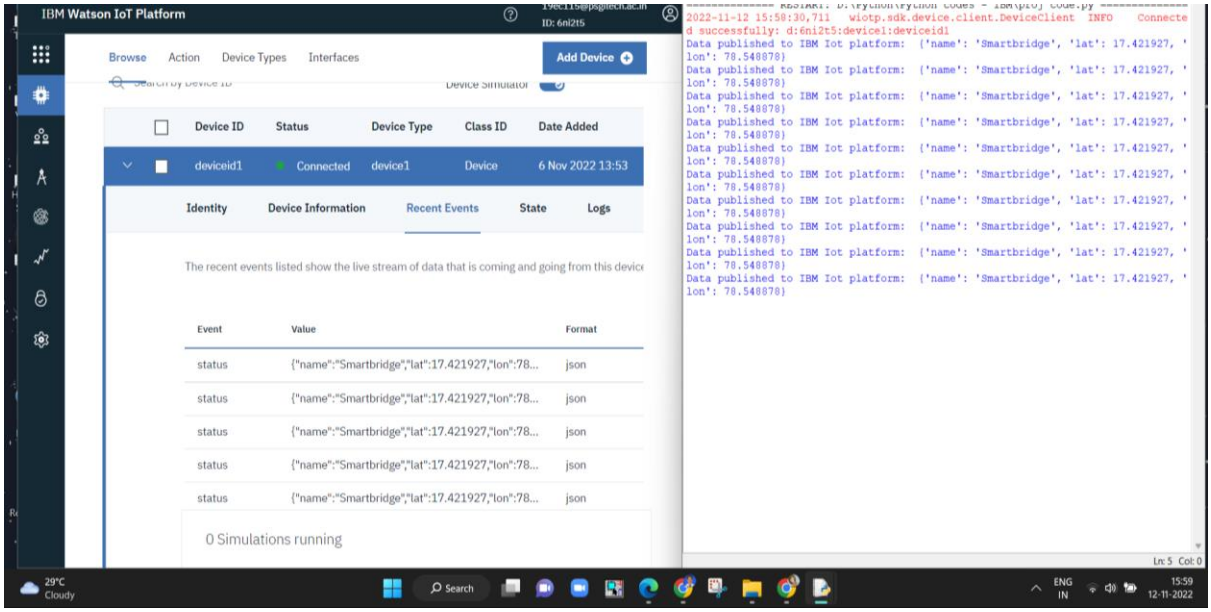


Output when the child is present within the geo fence

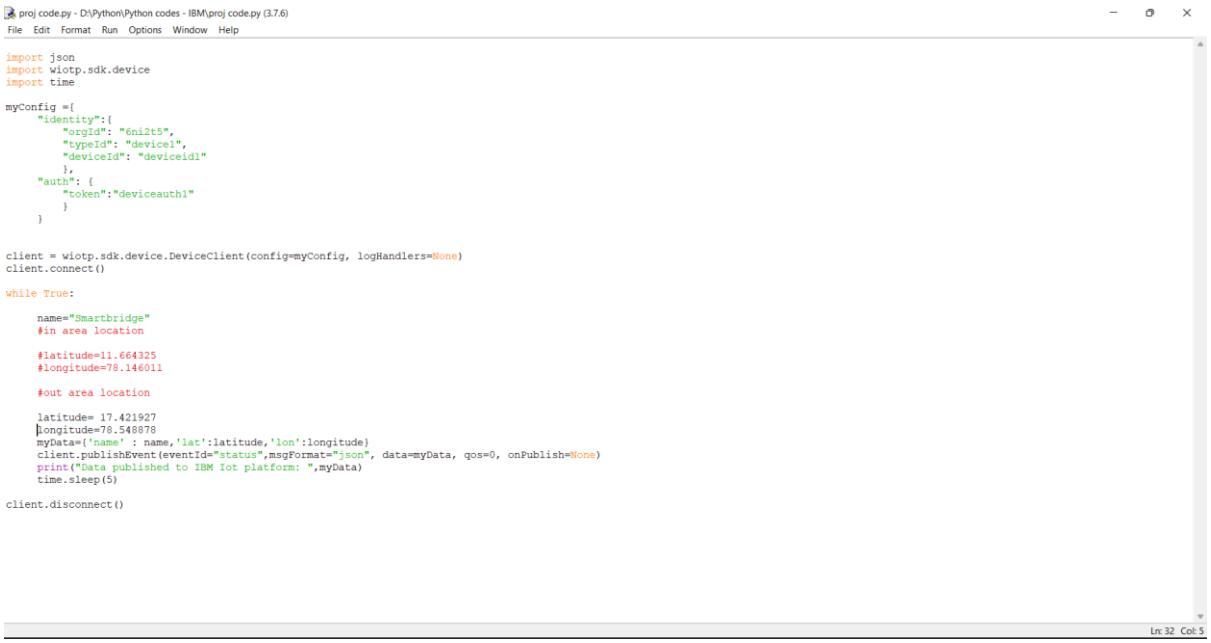
Output for child outside fence:



Python and Watson interfaced output:

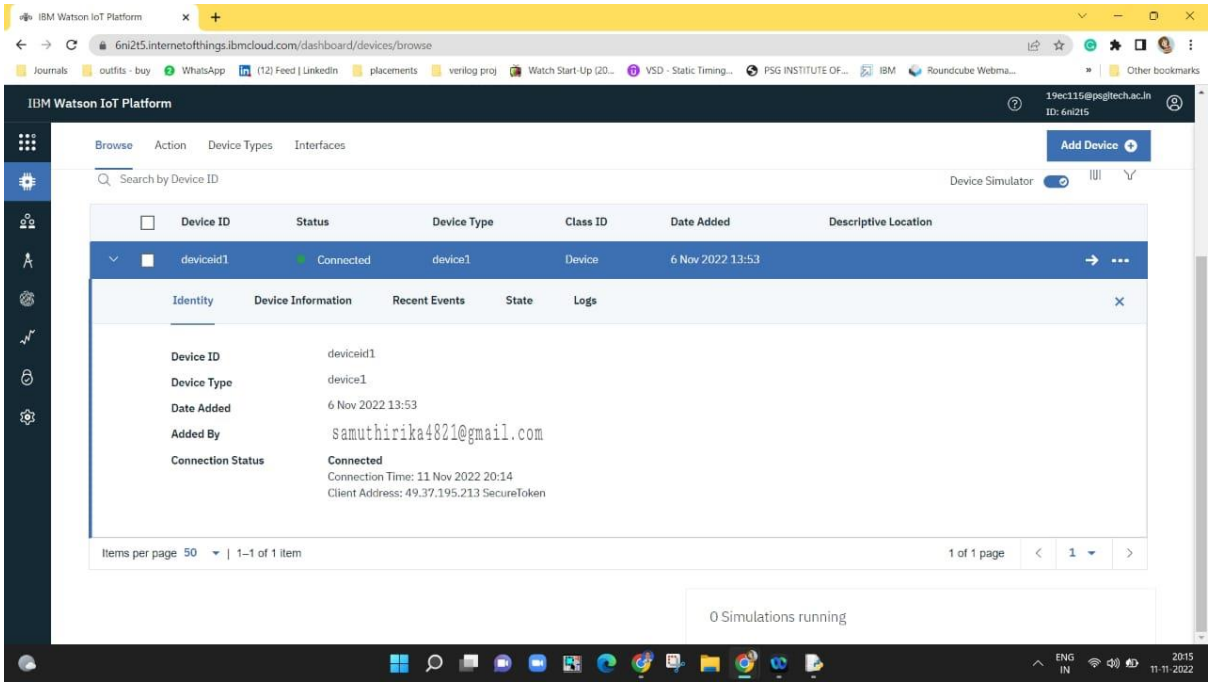


Python Code Snip:



```
proj code.py - D:\Python\Python codes - IBM\proj code.py (3.7.6)
File  Edit  Format  Run  Options  Window  Help

import json
import wiotp.sdk.device
import time

myConfig ={
      "identity":{
          "orgId": "6ni2t5",
          "typeId": "device1",
          "deviceId": "deviceid1"
          },
      "auth": {
          "token":"deviceauth1"
          }
      }


client = wiotp.sdk.device.DeviceClient(config=myConfig, logHandlers=None)
client.connect()

while True:

      name="Smartbridge"
      #in area location

      #latitude=11.664325
      #longitude=78.146011

      #out area location

      latitude= 17.421927
      longitude=78.548878
      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()

Ln: 32  Col: 5
```

Device connected with IBM Watson:


IBM Watson IoT Platform
6ni2t5.internetofthings.ibmcloud.com/dashboard/devices/browse
IBM Watson IoT Platform
19ec115@psgitech.ac.in
ID: 6ni2t5
Browse
Action
Device Types
Interfaces
Add Device
Search by Device ID
Device Simulator
Device ID
Status
Device Type
Class ID
Date Added
Descriptive Location
deviceid1
Connected
device1
Device
6 Nov 2022 13:53
Identity
Device Information
Recent Events
State
Logs
Device ID
deviceid1
Device Type
device1
Date Added
6 Nov 2022 13:53
Added By
samuthirika4821@gmail.com
Connection Status
Connected
Connection Time: 11 Nov 2022 20:14
Client Address: 49.37.195.213 SecureToken
Items per page 50
1–1 of 1 item
1 of 1 page
0 Simulations running