DEVELOP A WEB APPLICATION USING NODE-RED SERVICE

Date	16 November 2022
Team ID	PNT2022TMID13985
Project Name	Industry-Specific Intelligent Fire Management System
Maximum Marks	8 Marks

1. **To Develop the web application using Node-RED**

   Steps :

   - Open a Node-RED project
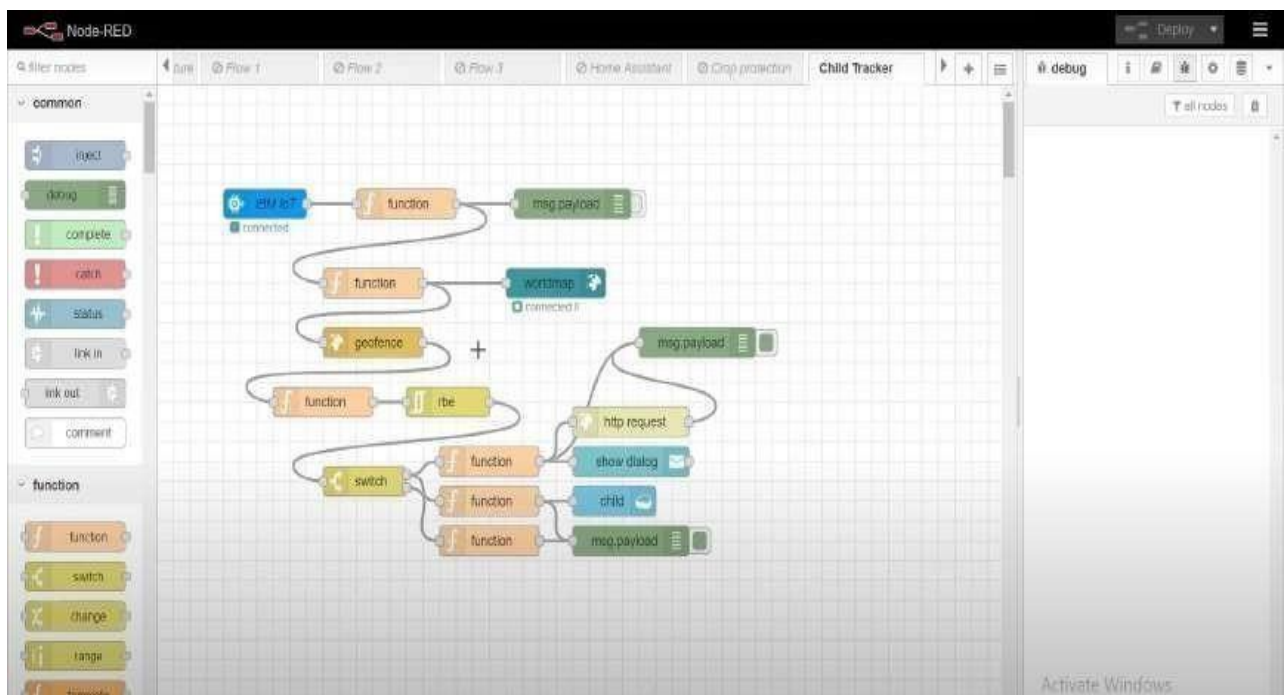
- Add code to get child location in python

```python
import json
import wiotp.sdk.device
import time

myConfig = {
    "identity":{
        "orgId": "88653s",
        "typeid": "iot_device",
        "deviceId": "wokwi_us"
    }
    "auth": {
        "token":")l(u!YYO)NmKr9sk(k"
    }
}
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, 'len': longitude}
    client.publishEvent(eventid="status", msgFormat="json", data-myData, qos-0, onPublish=None}
    print("Data published to IBM IOT platfrom: ", myData)
    time.sleep (5)

    client.disconnect()
```
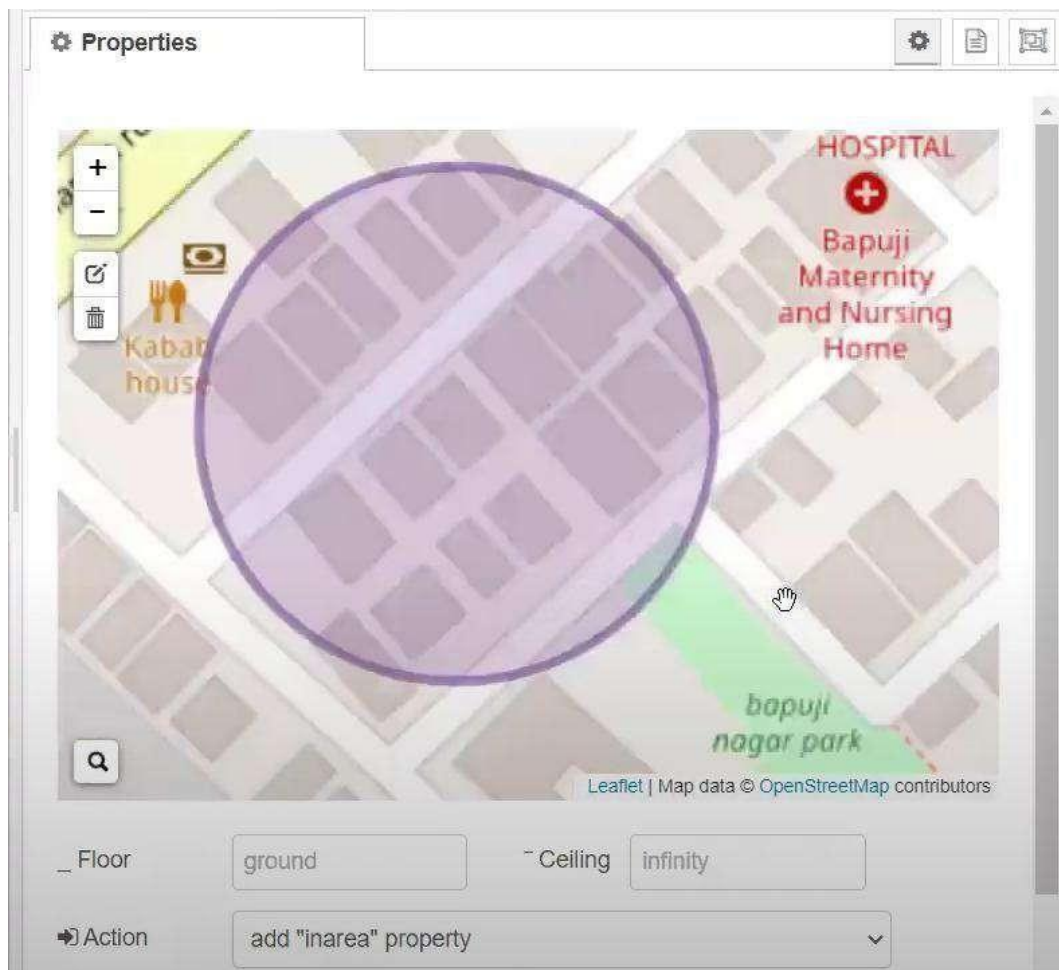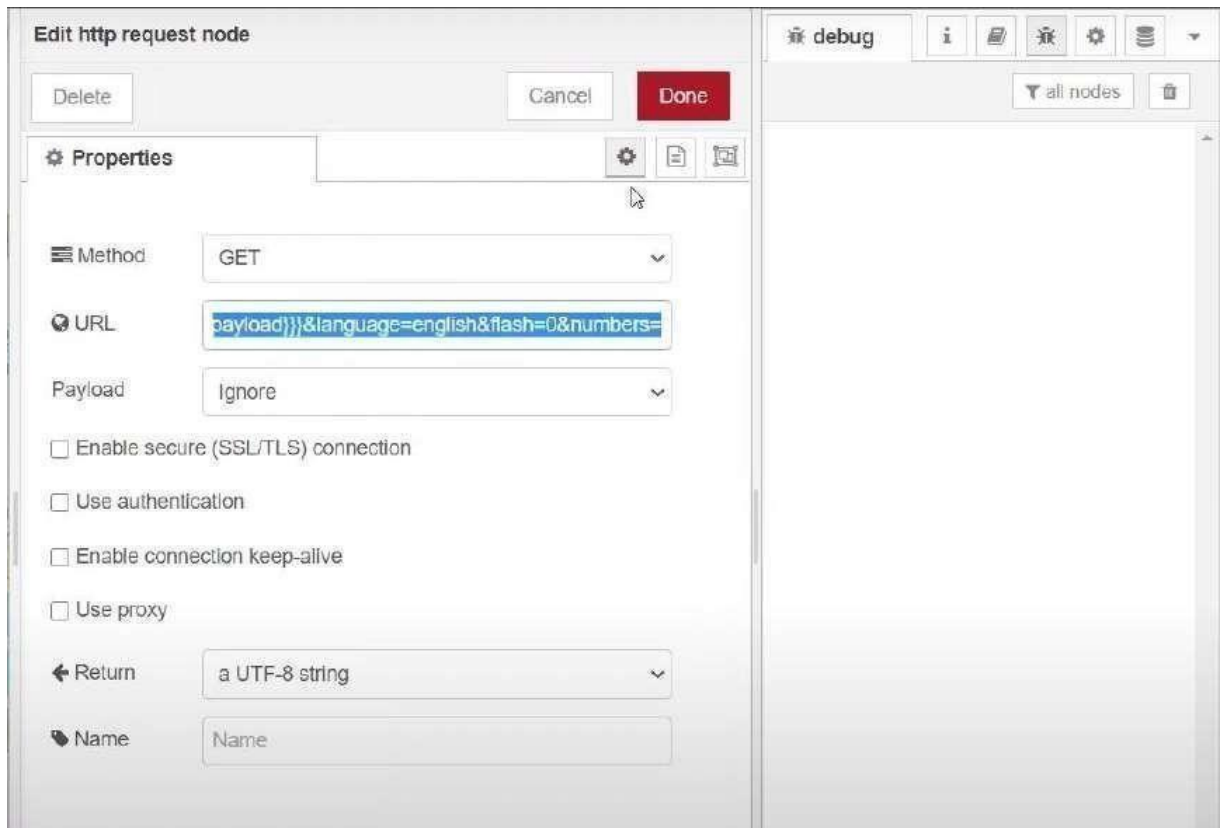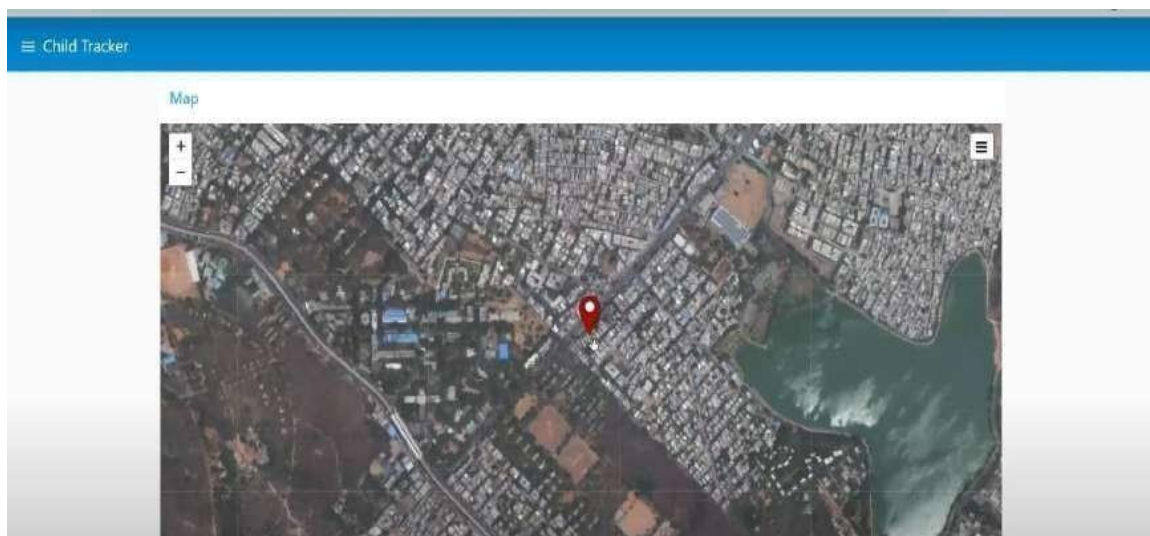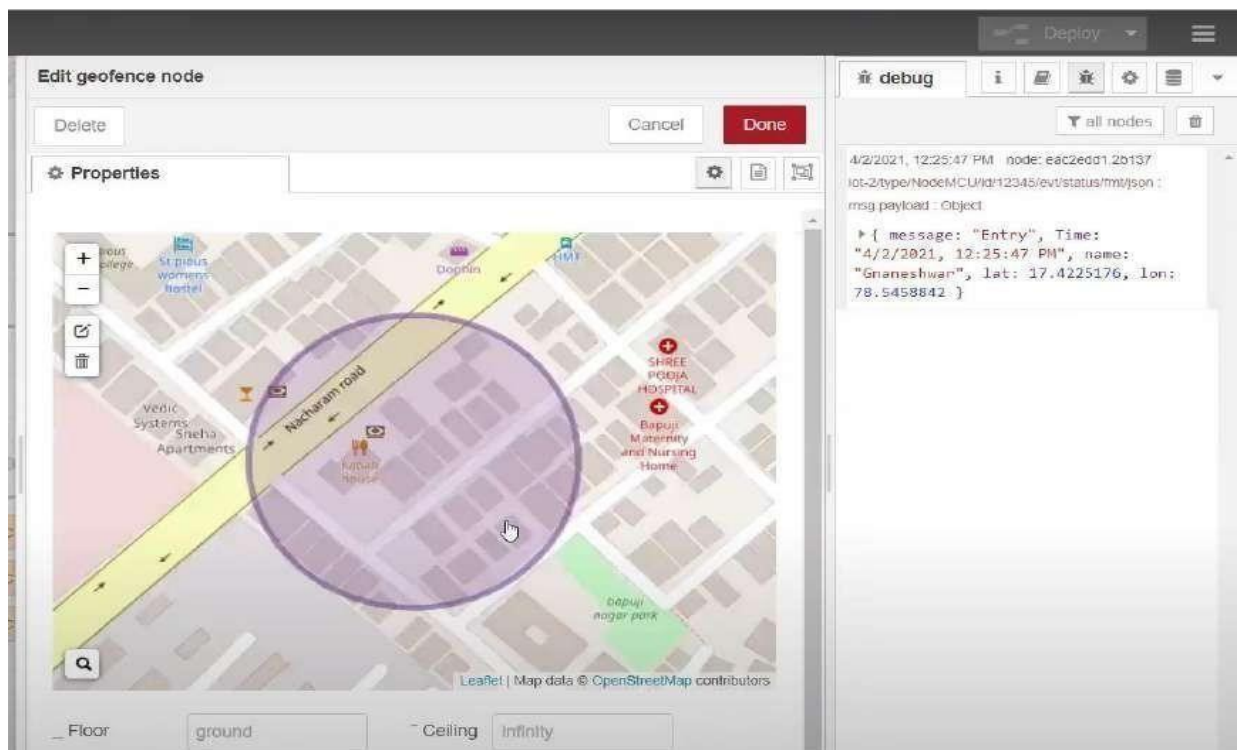
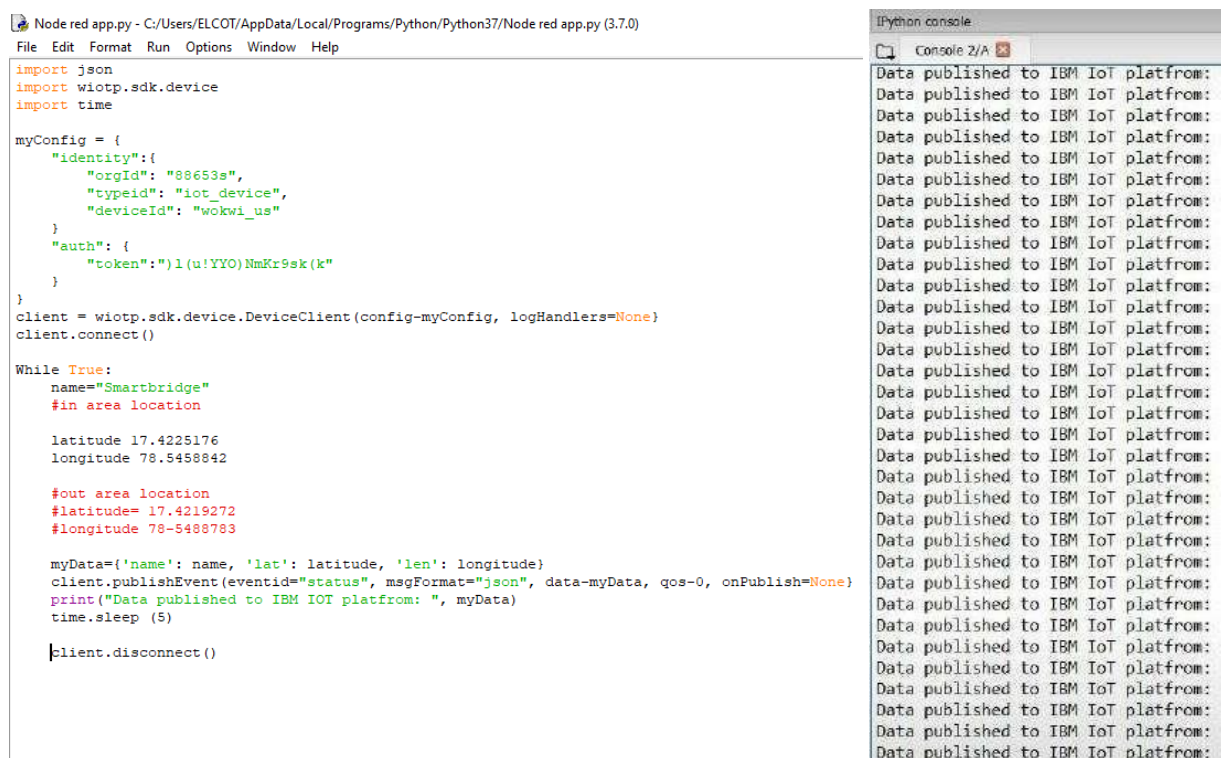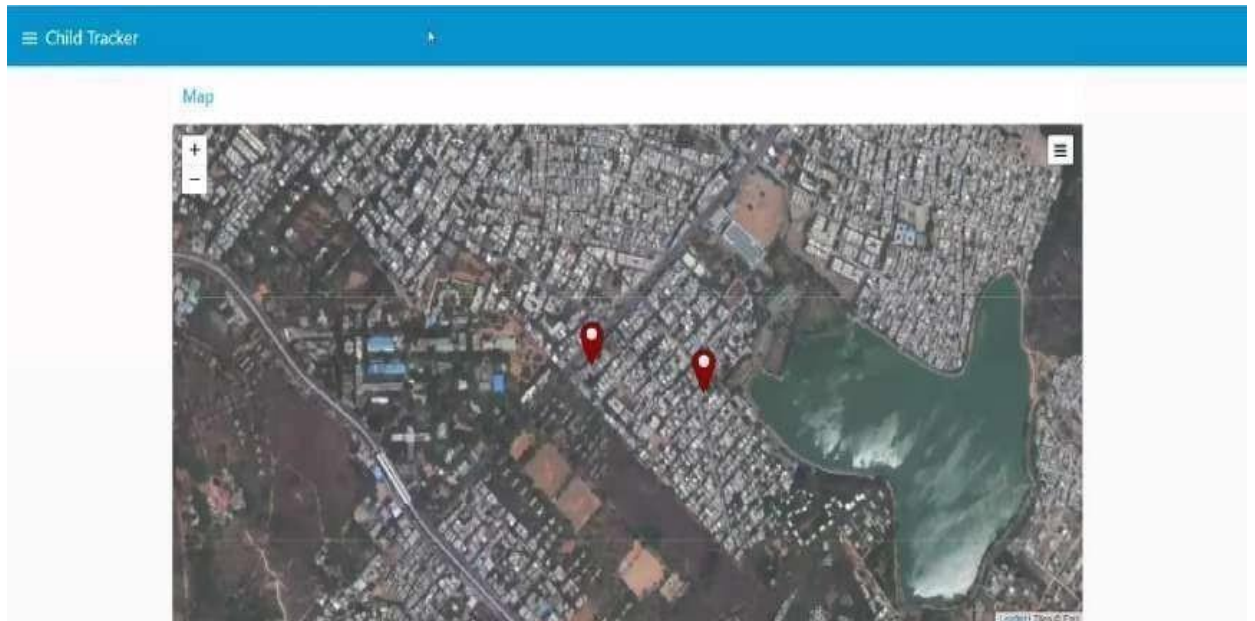- Edit the HTTP Request URL

- Locate the child

- Create the geofence node

- Python script send requests to IBM Cloud

- After running the script, the web UI shows "Personis not in the particular area".

Conclusion:

Development of the web application using Node-RED Successfully.