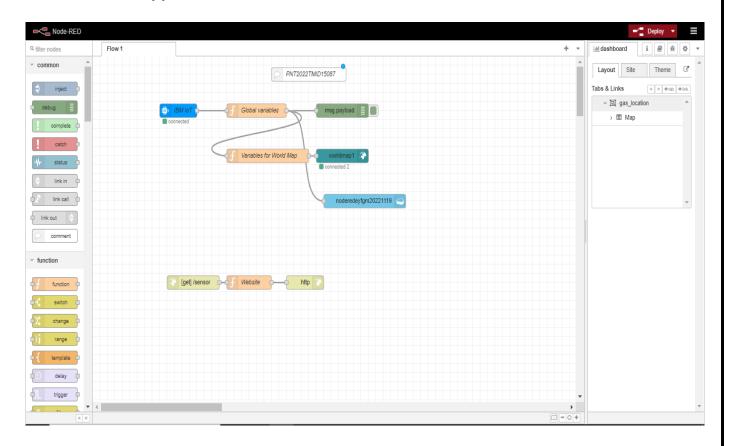
### **PROJECT CODE**

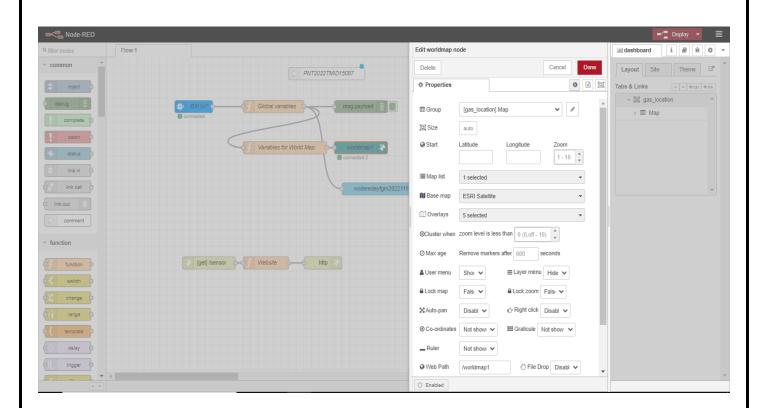
TEAM ID	PNT2022TMID15087
PROJECT NAME	GAS LEAKAGE MONITORING AND ALTERING
	SYSTEM FOR INDUSTRIES

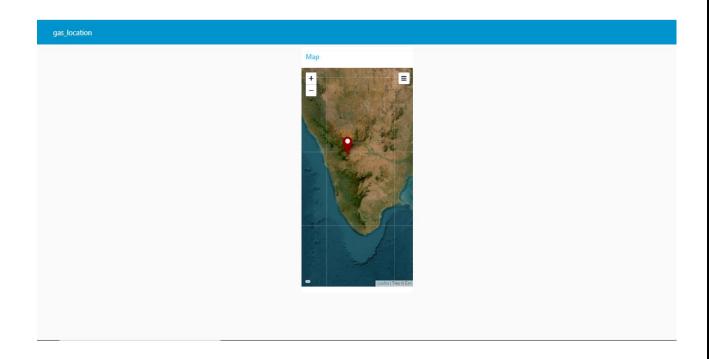
# **Python script**

```
B PNT2002TMID15087.py - C:\Users\Ajay Ganesh\Desktop\PNT2002TMID15087.py (3.7.0)
 File Edit Format Run Options Window Help
import json
 import random
 import wiotp.sdk.device
 import time
 import ibmiotf.application
 import ibmiotf.device
 import requests, json
 myConfig = {
      "identity": {
           "orgId": "hib5xp",
"typeId": "rasberrypi",
           "deviceId": "1234"
       "auth": {
           "token": "abcdefgh"
     }
 client = wiotp.sdk.device.DeviceClient(config=myConfig, logHandlers=None)
 client.connect()
 while True:
name= "PNT2022TMID15087"
     latitude= 11.055712
     longitude= 76.804089
gas = random.randint(0,600)
      temperature=random.randint(20,40)
     humidity=random.randint(40,60)
if(gas>300):
           alarm=1
           alarm=0
     mydata={'name': name, 'lat':latitude,'lon':longitude, 'gas':gas, 'alarm':alarm,'temp':temperature,'hum':humidity}
client.publishEvent(eventId="status", msgFormat="json", data=mydata, qos=0, onPublish=None)
print("Data published to IBM IoT platform: ",mydata)
      time.sleep(10)
 client.disconnect()
```

# **Node-Red Application**







### **Android Application – MIT APP Inventor**

#### **Front-End**



#### **Back-End**

