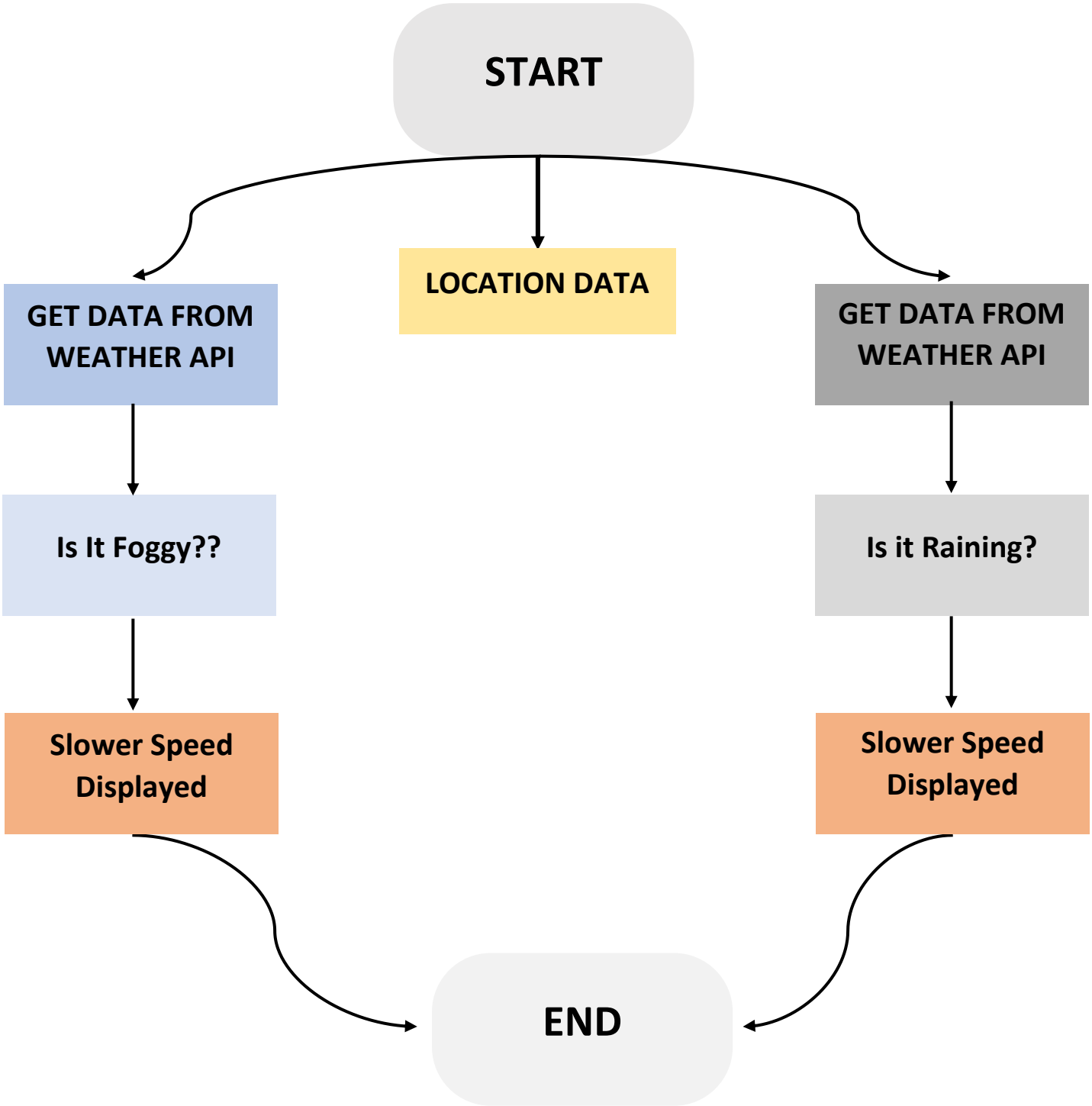
SPRINT DELIVERY-4

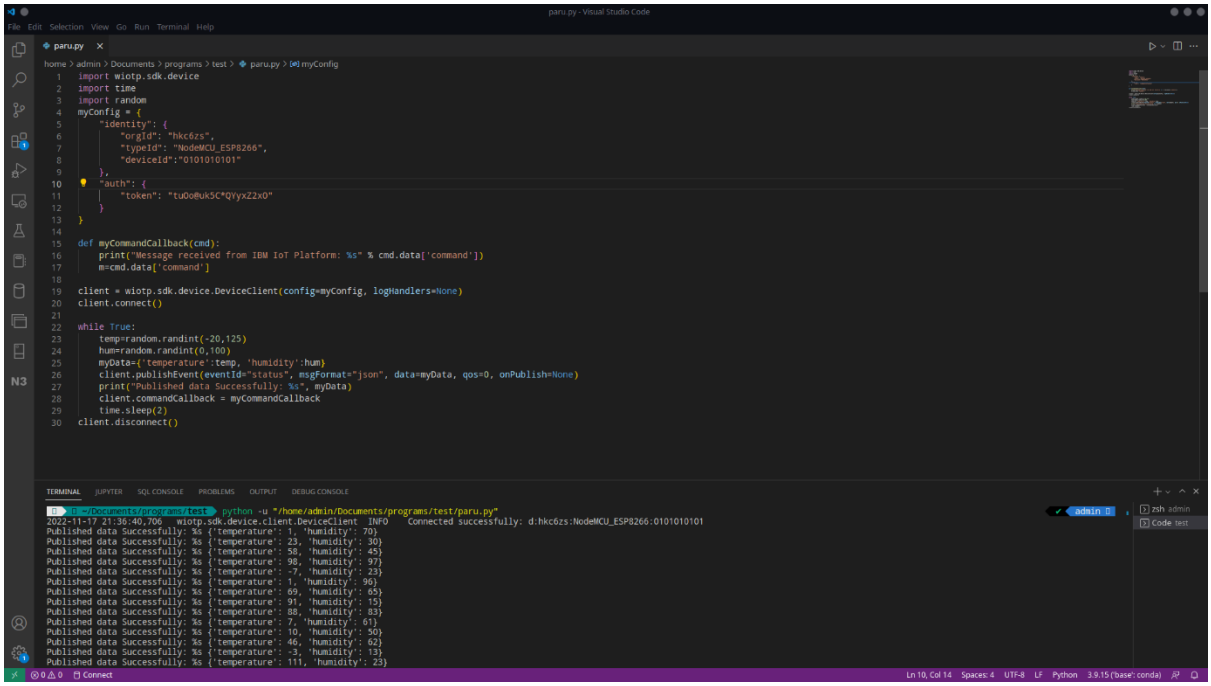
Team ID	PNT2022TMID48096
Project Name	Project – Signs with Smart Connectivity for Better Road Safety
Marks	20 marks

PROGRAM OVERFLOW



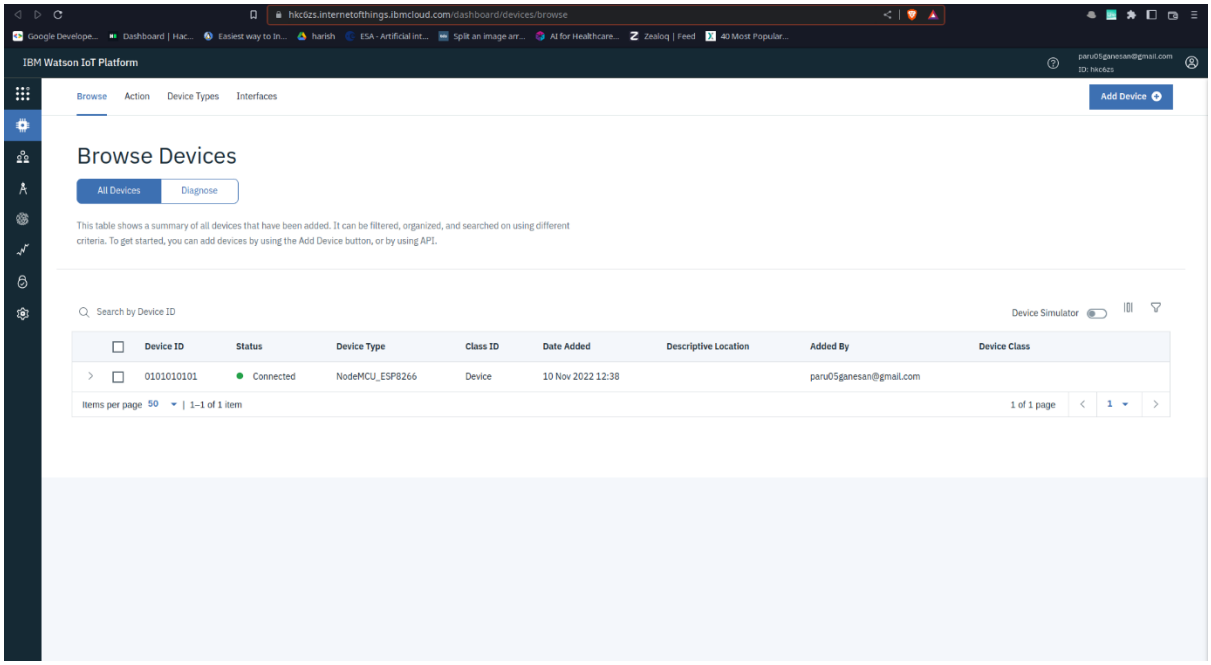
CODING:

```
import wiotp.sdk.device
import time
import random
myConfig = {
    "identity": {
        "orgId": "hkc6zs",
        "typeId": "NodeMCU_ESP8266",
        "deviceId":"0101010101"
    },
    "auth": {
        "token": "tuOo@uk5C*QYyxZ2xO"
    }
}

def myCommandCallback(cmd):
    print("Message received from IBM IoT Platform: %s" % cmd.data['command'])
    m=cmd.data['command']

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

while True:
    temp=random.randint(-20,125)
    hum=random.randint(0,100)
    myData={'temperature':temp, 'humidity':hum}
    client.publishEvent(eventId="status", msgFormat="json", data=myData, qos=0,
onPublish=None)
    print("Published data Successfully: %s", myData)
    client.commandCallback = myCommandCallback
    time.sleep(2)
client.disconnect()
```

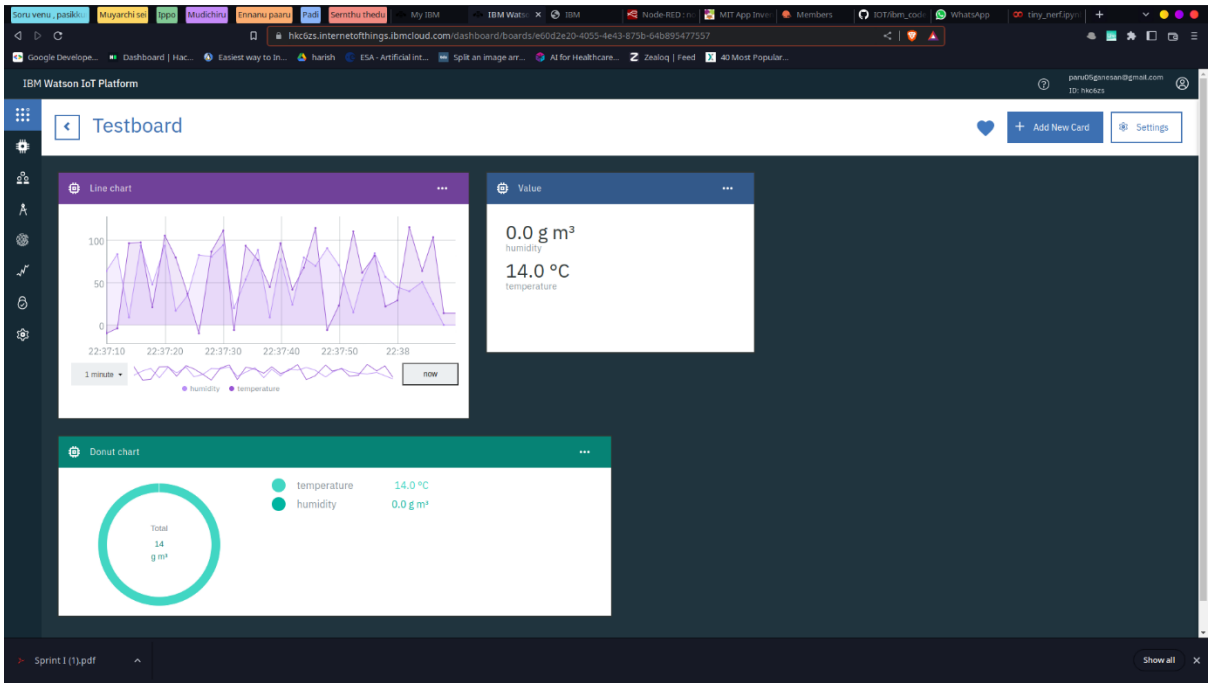


DESIGN THE MODULE AND MAKE THE USER TO INTERACT (WEB UI)

1.IBM WATSON IOT PLATFORM



2.IBM IOT PLATFORM BOARD RANDOM INPUTS FROM PYTHON



3.IBM DASHBOARD