Delivery of Sprint - 2

Team ID	PNT2022TMID05622
Project Name	Smart Waste Management for Metropolitan Cities

Develop the python code to find the GPS location using Latitude and Longitude (random values) and send it to Node-red using the IBM Watson platform and view the location of bins on map.

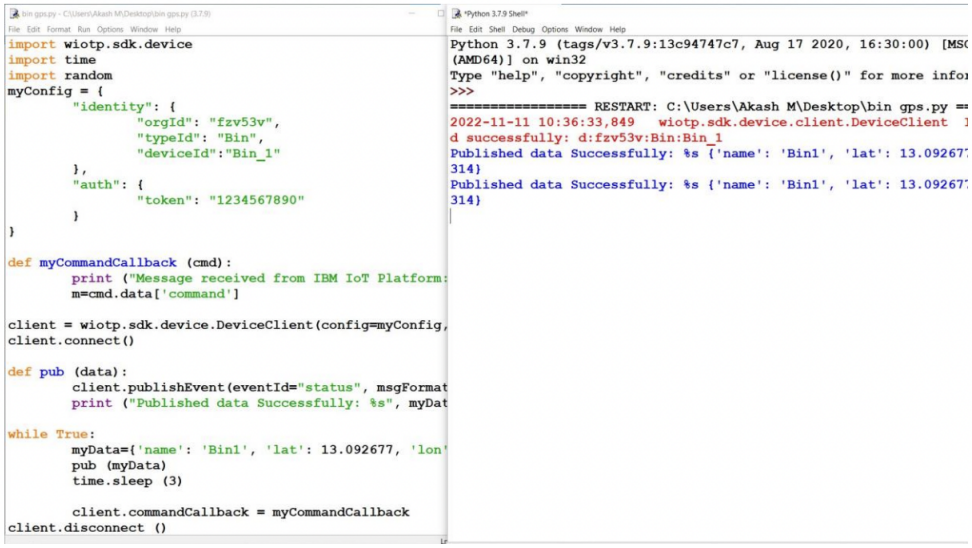
PYTHON CODE :

```
import wiotp.sdk.device
import time
import random myConfig = {

        "identity": {
                "orgId": "fzv53v",
                "typeId": "Bin",
                "deviceId":"Bin_1"
                },

        "auth": {
                 "token": "1234567890"
                 }
 }

 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() def pub (data): client.publishEvent(eventId="status",
 msgFormat="json", data=myData, qos=0,
```

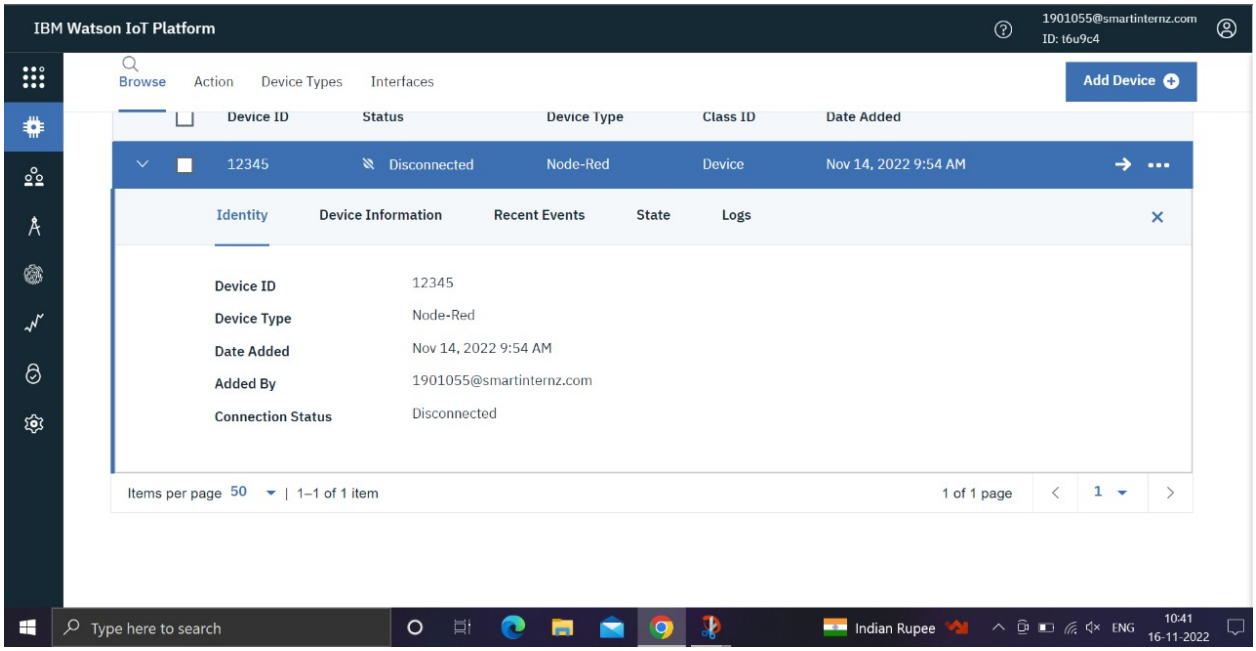
onPublish=None) print ("Published data
Successfully: %s", myData) while True:
myData={'name': 'Bin1', 'lat': 13.092677, 'lon':
80.188314} pub (myData) time.sleep (3)

client.commandCallback = myCommandCallback
client.disconnect ()

Output in python IDLE :



IBM Watson IOT platform :



Node-Red Platform :