PROJECT REPORT

IoT BASED SAFETY GADGET FOR CHILD SAFETY MONITORING AND NOTIFICATION

DOMAIN	INTERNET OF THINGS
TOPIC	IoT BASED SAFETY GADGET FOR CHILD SAFETY MONITORING AND NOTIFICATION
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Source Code:

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

  "identity":{
    "orgId": "jgry6x",
     "typeId": "MyDeviceType",
    "deviceId": "12345"
  },
  "auth": {
    "token":" *eB+Vs5Pb3m6f79Vnn"

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

```python
client.connect()

while True:
    name = "Smartbridge"
    #in area location

    #latitude = 17.4225176
    #longitude = 78.5456842

    #out area location

    latitude= 17.4219272
    longitude= 78.5488783
    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 platfrom: ",myData)
    time.sleep(5)

client.disconnect()
```

Output:

```python
import json
import wiotp.sdk.device
import time
myConfig = {

    "identity":{
        "orgId": "jgry6x",
        "typeId": "MyDeviceType",
        "deviceId": "12345"
    },
    "auth": {
        "token":"*eB+Vs5Pb3m6f79Vnn"
    }
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        print("Data published to IBM IoT platfrom: ",myData)
        time.sleep(5)

client.disconnect()
```

```
Python 3.7.0 (v3.7.0:1bf9cc5093, Jun 27 2018, 04:59:51) [MSC v.1914 64 bit (AMD64)] on win32
Type "copyright", "credits" or "license()" for more information.
>>>
================ RESTART: C:\Users\selva\Desktop\ibm-code.py ================
2022-11-20 03:03:55,575   wiotp.sdk.device.client.DeviceClient  INFO   Connected successfully: d:jgry6x:MyDeviceType:12345Data published to IBM IoT platfrom:
 {'name': 'Smartbridge', 'lat': 17.4219272, 'lon': 78.5488783}
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```