## PROJECT REPORT

## IoT BASED SAFETY GADGET FOR CHILD SAFETY MONITORING AND NOTIFICATION

## **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) client.connect()
while True:
    name = "Smartbridge"
    #in area location
    #latitude = 17.4225176
```

```
#longitude = 78.5456842 #out
```

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()

area location

## **Output:**

```
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)
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()
```

```
Python 3.7.0 (v3.7.0:lbf9cc5093, Jun 27 2018, 04:59:51) [MSC v.1914 64 bit (AMD64)] on win32 Type "copyright", "credits" or "license()" for more information.
```

```
2022-11-20 03:03:55,575 viotp.sdk.device.client.DeviceClient INFO Connected successfully: d:jgy6x:MyDeviceType:12345Data published to IBM IoT platfrom: ('name': 'Smartbridge', 'lat': 17.4219272, 'lon': 78.5488783)
Data published to IBM IoT platfrom: ('name': 'Smartbridge', 'lat': 17.4219272, 'lon': 78.5488783)
Data published to IBM IoT platfrom: ('name': 'Smartbridge', 'lat': 17.4219272, 'lon': 78.5488783)
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Data published to IBM IoT platfrom: ('name': 'Smartbridge', 'lat': 1
```