

# SPRINT 2

Date	10 November 2022
Team ID	PNT2022TMID23803
Project Name	IoT Based Safety Gadget for Child Safety Monitoring and Notification

## **Algorithm:**

- Import Packages
- Create 'myConfig' location
- Implement the wiotp.sdk.device.DeviceClient
- Run a while Loop
- Finally set the latitude and longitude range
- Desired result Obtained

## **Modified Version of Code according to main project:**

```
import json
import wiotp.sdk.device
import time
myConfig={ "identity
    ":{
        "orgId": "hj5fmy", "typeid": "NodeMCU",
        "deviceId": "12345"
    },
```

```
"auth": {  
  "token": "12345678"  
}
```

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

```
while True:
```

```
  name= "Smartbridge" #in area location
```

```
  #latitude- 17.4225176 longitude 78.5450842 #out area location
```

```
  latitude = 17.4219272
```

```
  longitude =70.5400783
```

```
  myData = {'name':name, 'lat':latitude, 'lon': longitude} client.publishEvent  
  (eventId="Status", msgformat="json", data=myData,
```

```
  qos=0, onPublish=None)
```

```
  print ("Data published to IM IoT platform: ",myData) time.sleep(5)
```

```
  client.disconnect()
```

### Arduino\_UNO-R3:

