SOURCE CODE

Team ID	PNT2022TMID34921
Project Name	IOT Based Safety Gadget for Child Safety Monitoring and Notification

PYTHON :

```
import time
import sys
import ibmiotf.application
import ibmiotf.device
import random

organization="nimvfj"
deviceType="RSVKAIoTdevice"
deviceId="RSVKA"
authMethod="token"
authToken="R23S20V04KA26"


def myCommandCallback(cmd):
   print("Command received: %s"%cmd.data['command'])
   status=cmd.data['command']
   if status=="alert message":
      print("panic button is on")
   else:
      print("panic button is off")

try:
   deviceOptions={"org":organization,"type":deviceType,"id":deviceId,"auth-
method":authMethod,"auth-token":authToken}
   deviceCli=ibmiotf.device.Client(deviceOptions)

except Exception as e:
   print("Caught exception connecting device:%s"%str(e))
   sys.exit()
deviceCli.connect()

while True:
   lat=random.randint(-90,90)
   lon=random.randint(-90,90)
```

```
    data={'Latitude': lat, 'Longitude':lon}

    def myOnPublishCallback():
        print("Published Latitude=%s"%lat,"& Longitude=%s"%lon,"to IBM Watson")
    success=deviceCli.publishEvent("Location","json",data,qos=0,on_publish=myOnPublishCallback)
    if not success:
        print("Out of geofence")
    time.sleep(20)
    deviceCli.commandCallback=myCommandCallback

deviceCli.disconnect()
```