Python Script
Hazardous Area Monitoring for Industrial Plant powered by IoT

Program:

```
import wiotp.sdk.device
import time
import random
myConfig = {
     "identity": {
          "orgId": "gagtey",
          "typeId": "GPS",
          "deviceId":"12345"
     },
     "auth": {
          "token": "12345678"
     }
}

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': 'Train1', 'lat': 17.6387448, 'lon':
78.4754336}
     pub (myData)
```

```
     time.sleep (3)
     #myData={'name': 'Train2', 'lat': 17.6387448, 'lon':
78.4754336)
     #pub (myData)
     #time.sleep (3)
     myData={'name': 'Train1', 'lat': 17.6341908, 'lon':
78.4744722}
     pub(myData)
     time.sleep(3)
     myData={'name': 'Train1', 'lat': 17.6340889, 'lon':
78.4745052}
     pub (myData)
     time.sleep (3)
     myData={'name': 'Train1', 'lat': 17.6248626, 'lon':
78.4720259}
     pub (myData)
     time.sleep (3)
     myData={'name': 'Train1', 'lat': 17.6188577, 'lon':
78.4698726}
     pub (myData)
     time.sleep (3)
     myData={'name': 'Train1', 'lat': 17.6132382, 'lon':
78.4707318}
     pub (myData)
     time.sleep (3)
     client.commandCallback = myCommandCallback
client.disconnect ()
```