Develop the Python Script

Date	30-10-2022
Team ID	PNT2022TMID34503
Project name	Smart Solution for Railways
Marks	

PYTHON SCRIPT:

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

```python
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)
```

```python
        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}
```

```python
        pub (myData)
        time.sleep (3)

client.commandCallback=myCommandCallback
client.disconnect ()
```