

Final Python Source Code

Team ID	PNT2022TMID50923
Project Name	SMART WASTE MANAGEMENT SYSTEM FOR METROPOLITIAN CITIES

Source Code

```
#IBM Watson IOT Platform
```

```
#pip install wiotp-sdk
```

```
import wiotp.sdk.device
```

```
import time
```

```
import random
```

```
myConfig = {
```

```
    "identity": {
```

```
        "orgId": "oonztp",
```

```
        "typeId": "Smart_Waste",
```

```
        "deviceId": "12345"
```

```
    },
```

```
    "auth": {
```

```
        "token": "rZgABoZEoxK!U3cWJg"
```

```
    }
```

```
}
```

```
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()
```

```
while True:
```

```
    ult_sen=random.randint(0,200)
```

```
weight=random.randint(0,100)

myData={'Detected value is':ult_sen, 'Weight Percentage in bin is':weight}

client.publishEvent(eventId="status", msgFormat="json", data=myData, qos=0, onPublish=None)

print("Published data Successfully: %s", myData)

client.commandCallback=myCommandCallback

time.sleep(2)

client.disconnect()
```