

SPRINT - 1

Date	16/11/2022
Team ID	PNT2022TMID10977
Project Name	Real-Time River Water Quality Monitoring and Control System

CODING:

```
#IBM Watson IOT Platform
```

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

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

```
import time import random
```

```
myConfig = {
```

```
    "identity": {
```

```
        "orgId": "hj5fmy",
```

```
        "typeId": "NodeMCU",
```

```
        "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()

while True:

    temp=random.randint(-20,125)

    hum=random.randint(0,100)

    myData={'temperature':temp, 'humidity':hum}

    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()
```