

PROJECT DEVELOPMENT - DELIVERY OF SPRINT 1

Date	09 November 2022
Team ID	PNT2022TMID22571
Project	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.ran

    dint(-20,125)

    hum=random.rand

    int(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()

```