

# SOLUTION

Date	03 October 2022
Team ID	PNT2022TMID41393
Project Name	Project - Smart Waste Management system for Metropolitan cities

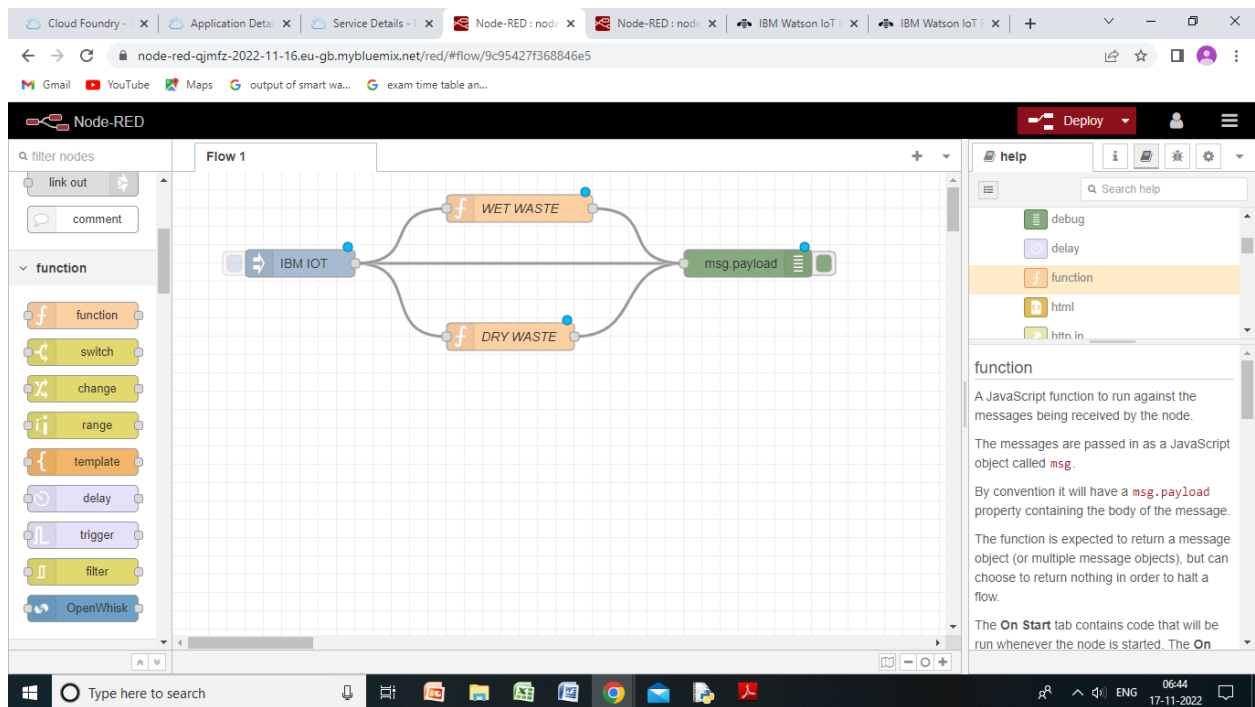
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ibm.py - C:/Users/ELCOT/AppData/Local/Programs/Python/Python37/ibm.py (3.7.0)
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#IBM Watson IoT Platform
#pip install wiotp-sdk
import wiotp.sdk.device
import time
import random
myConfig = {
    "identity": {
        {
            "orgId": "IBM SMART PROJECT",
            "typeId": "NodeMCU",
            "deviceId": "13579",
        },
        "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()
```



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