## SPRINT – 2

## **TEAM ID:PNT2022TMID36751**

## **SMART WASTE MANAGEMENT SYSTEM FOR METROPOLITAN CITIES**

# **Python Code**

```
#print(cmd)
try:
deviceOptions = {"org": organization, "type": deviceType, "id": deviceId, "auth-method":
authMethod, "auth-token": authToken} deviceCli = ibmiotf.device.Client(deviceOptions)
        #.....
except Exception as e:
        print("Caught exception connecting device: %s" % str(e))
        sys.exit()
# Connect and send a datapoint "hello" with value "world" into the cloud as an event of type "greeting"
10 times deviceCli.connect()
while True:
    #Get Sensor Data from DHT11
    level=random.randint(0,100) weight=random.randint(0,100)
    data = { 'level' : level, 'weight': weight }
    #print data
    def myOnPublishCallback():
      print ("Published Level = %s %%" % level, "Weight = %s %%" % weight, "to IBM Watson")
```

deviceCli.commandCallback = myCommandCallback

# Disconnect the device and application from the cloud deviceCli.disconnect()

#### **OUTPUT:**

### **NODE RED INPUT AND OUPUT:**



