SPRINT3

TEAM ID: PNT2022TMID29654

PROJECT NAME: IOT Based Smart Crop Protection System for Agriculture

CREATING WEB APPLICATION IN NODE-RED:

PYTHON SCRIPT

```
| Import time | Import system | Import system
```

```
while True:

#Get Sensor Data from DHT11

tmmp=random.randint(0,100)

pulse=random.randint(0,100)

soil=random.randint(0,100)

data = ('temp' temp, 'pulse': pulse ,'soil':soil)

myonFublishCallback()

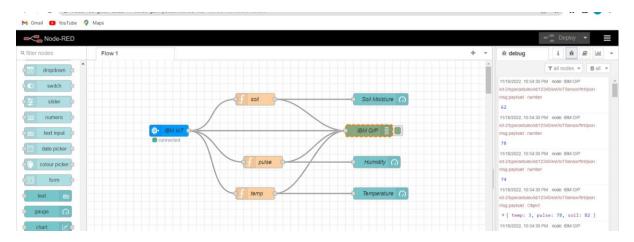
if not success:
    print("Not connected to IOTF")
    time.sleep(5)

deviceCli.commandCallback = myCommandCallback

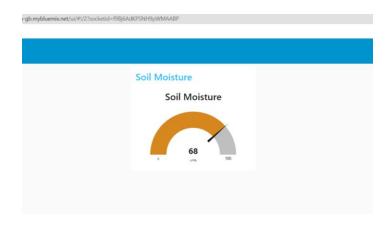
# Disconnect the device and application from the cloud deviceCli.disconnect()
```

PYTHON OUTPUT

NODE-RED:



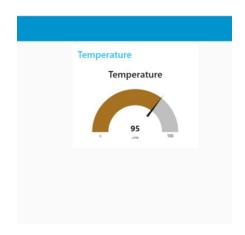
OUTPUT: SOIL MOISTURE

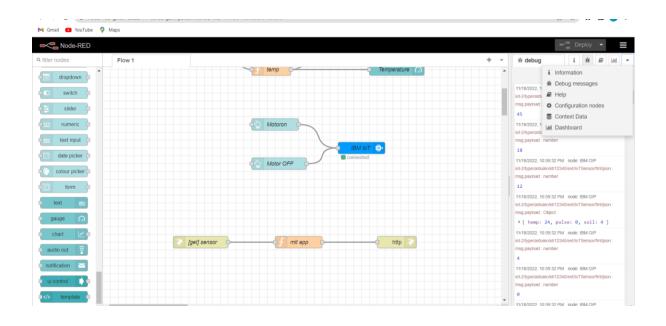


HUMIDITY:



TEMPERATURE:







OUTPUT:



