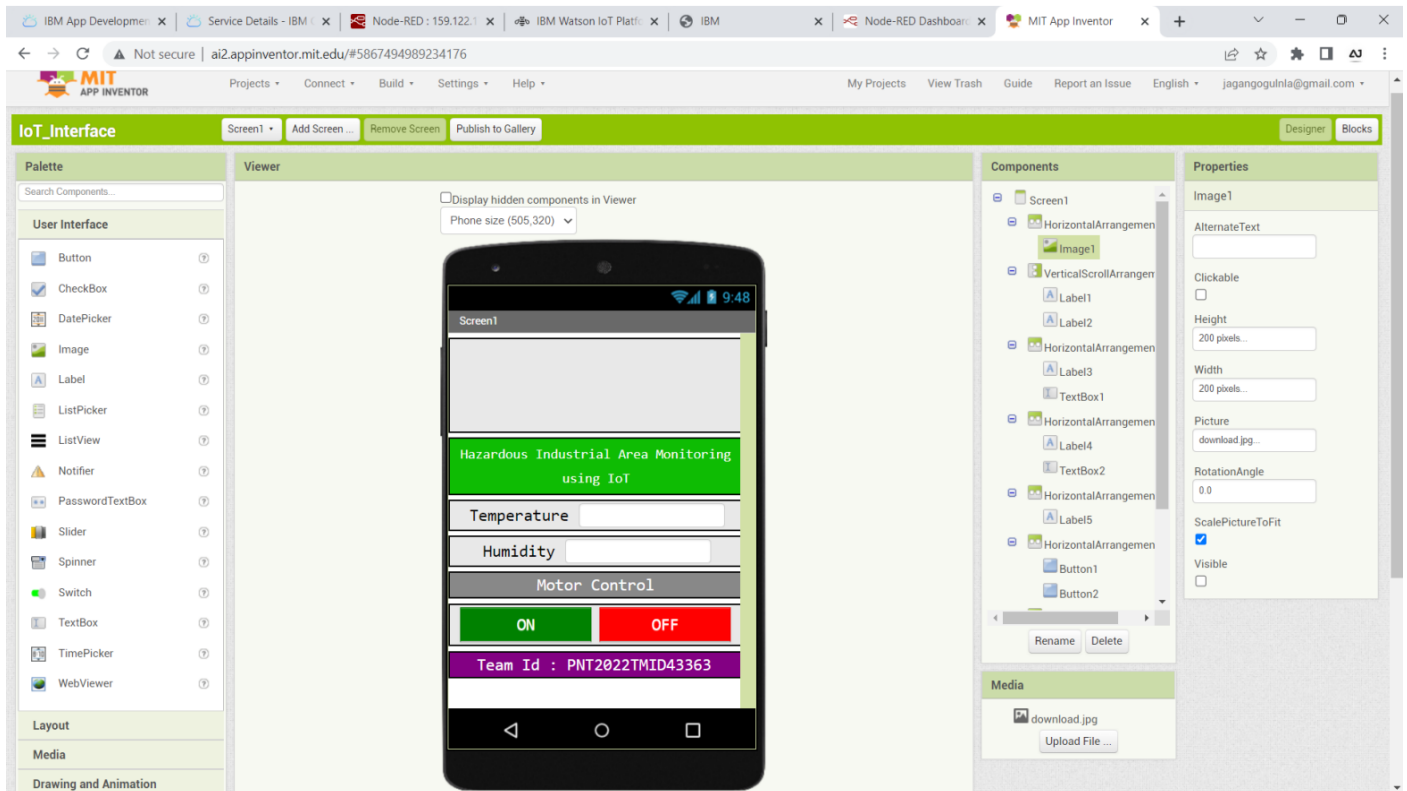


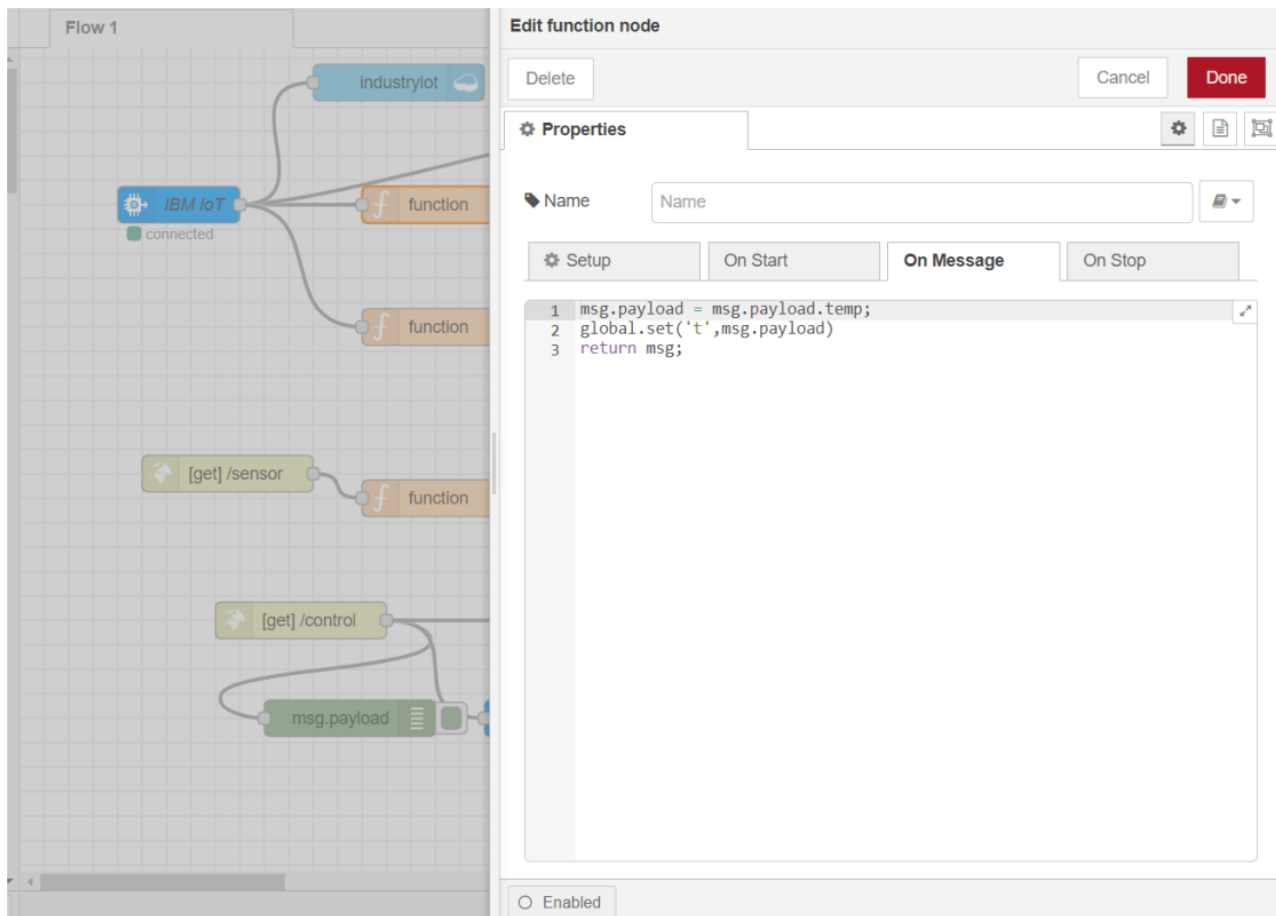
Sprint - 3

Team Id	PNT2022TMID43363
Title	Hazardous Area Monitoring for Industrial Plant using IoT

Design UI To Display The Temperature, Humidity



Configuring function to fetch the desired value



Flow 1

industryiot

connected

function

function

[get] /sensor

[get] /control

msg.payload

Edit function node

Delete Cancel Done

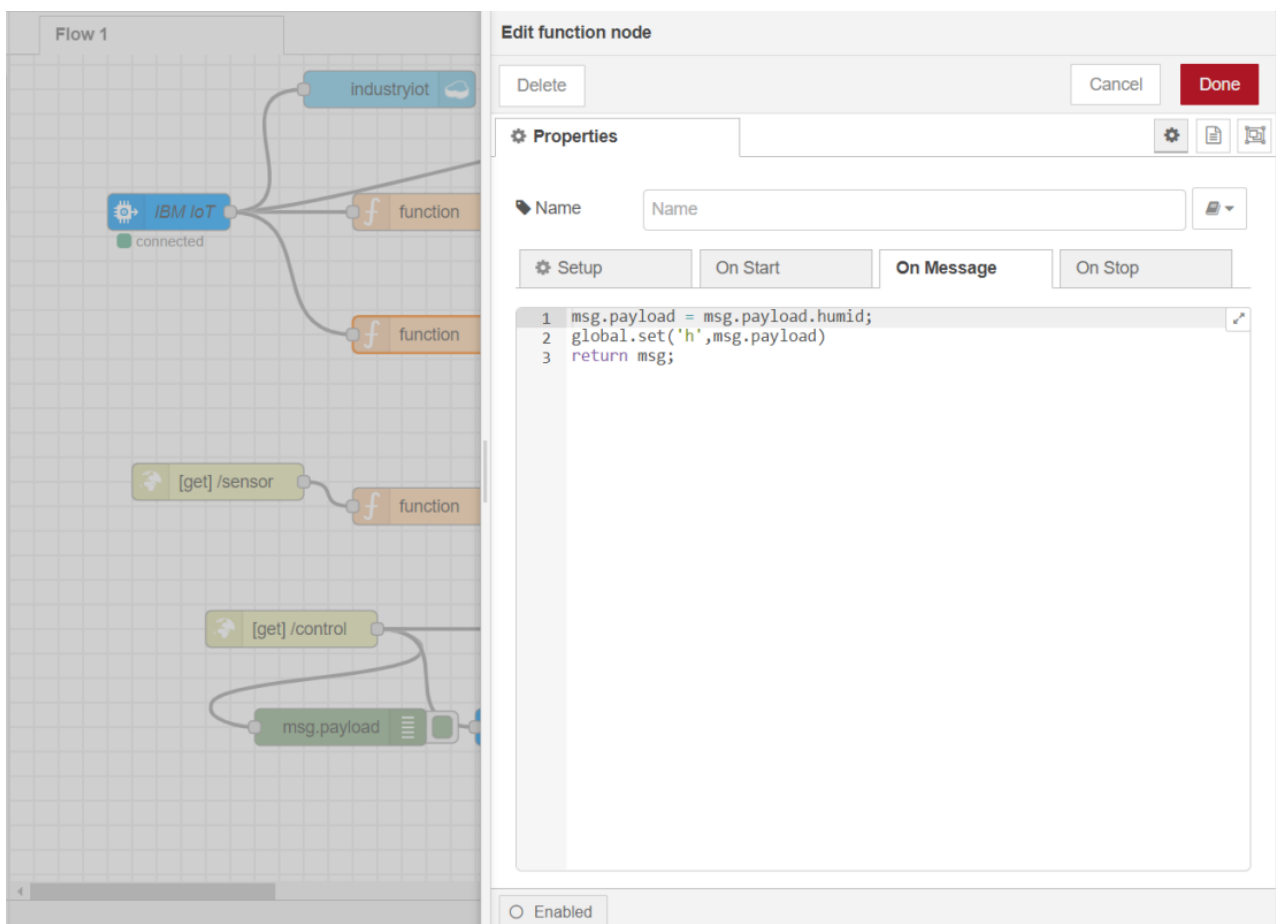
Properties

Name

Setup On Start **On Message** On Stop

```
1 msg.payload = msg.payload.temp;
2 global.set('t',msg.payload)
3 return msg;
```

Enabled



Flow 1

industryiot

connected

function

function

[get] /sensor

[get] /control

msg.payload

Edit function node

Delete Cancel Done

Properties

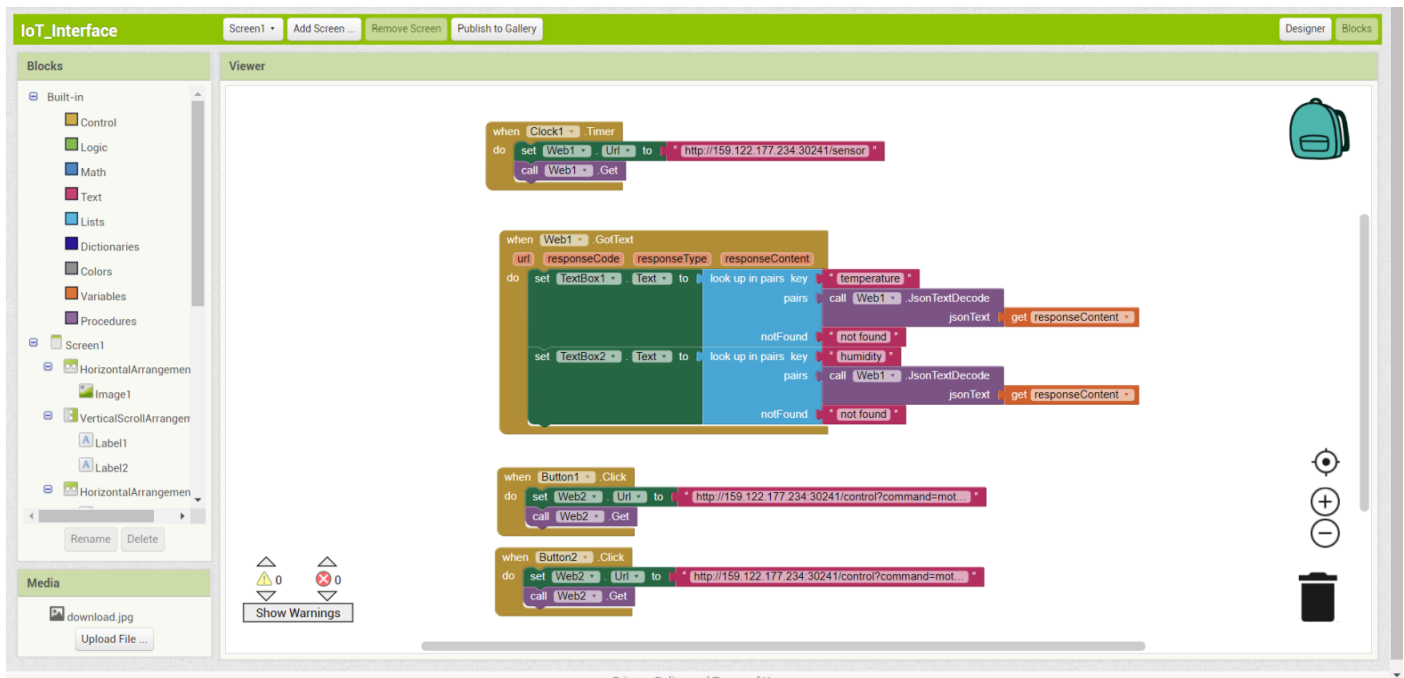
Name

Setup On Start **On Message** On Stop

```
1 msg.payload = msg.payload.humid;
2 global.set('h',msg.payload)
3 return msg;
```

Enabled

App Blocks to render the values and display it in app - Back end



Python block that changes the state of motor based on input from app

```
def myCommandCallback(cmd):  
    print("Command received: %s" % cmd.data['command'])  
    status=cmd.data['command']  
    if status == "motoron":  
        print("motor in on")  
    else :  
        print ("motor is off")
```

Output Window

```
Command received: motoron  
motor in on  
Published Temperature = 100 C Humidity:68  
Published Temperature = 63 C Humidity:7  
Published Temperature = 32 C Humidity:67  
Command received: motoroff  
motor is off
```

Sensor values displayed in the mobile phone

