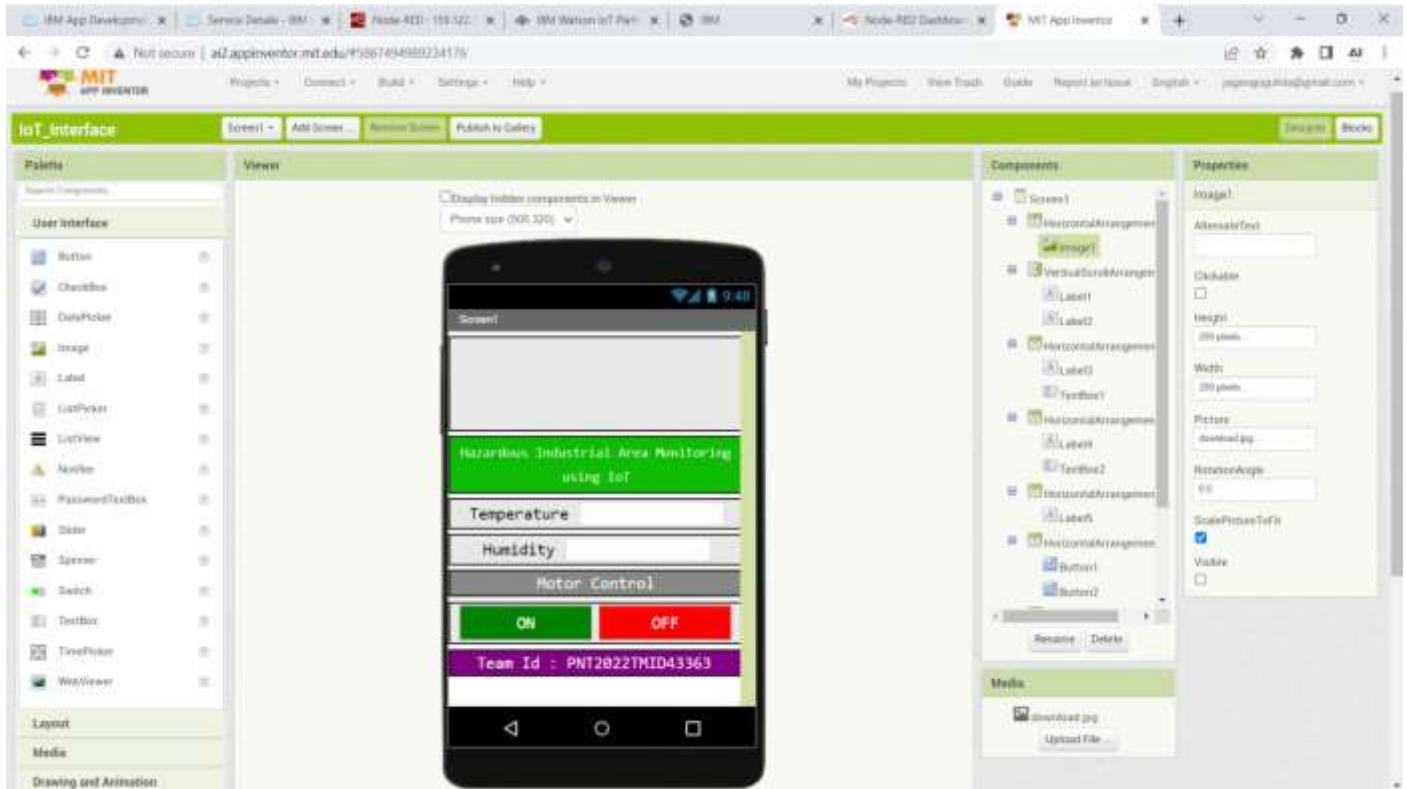


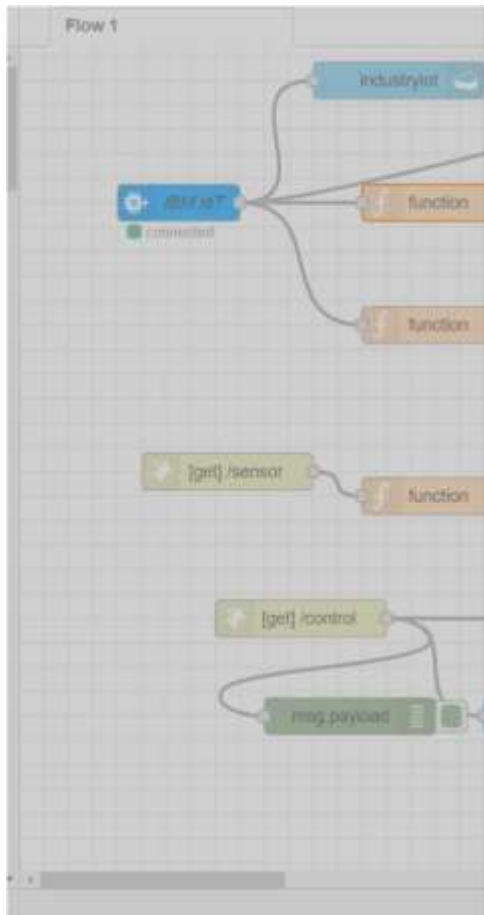
Sprint - 3

Team Id	PNT2022TMID23518
Title	Hazardous Area Monitoring for Industrial Plant using IoT

Design UI To Display The Temperature, Humidity



Configuring function to fetch the desired value



Edit function node

Delete Cancel Done

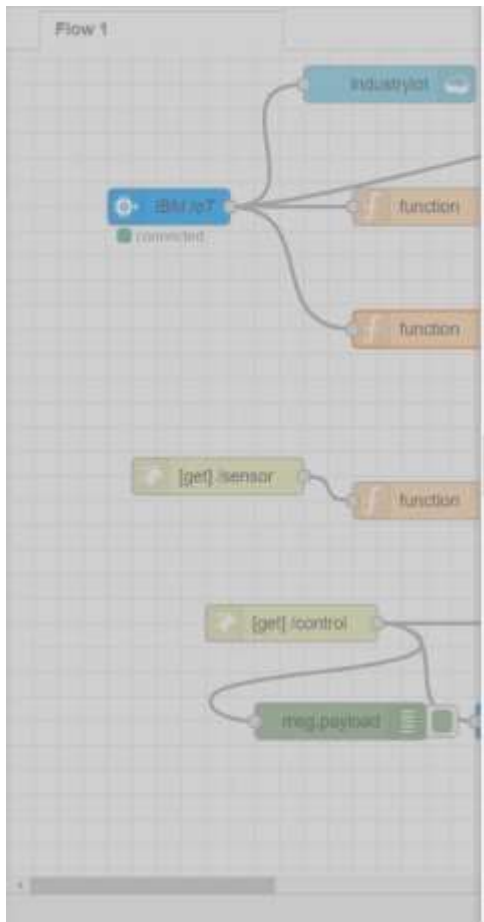
Properties

Name

Setup On Start On Message On Stop

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

Enabled



Edit function node

Delete Cancel Done

Properties

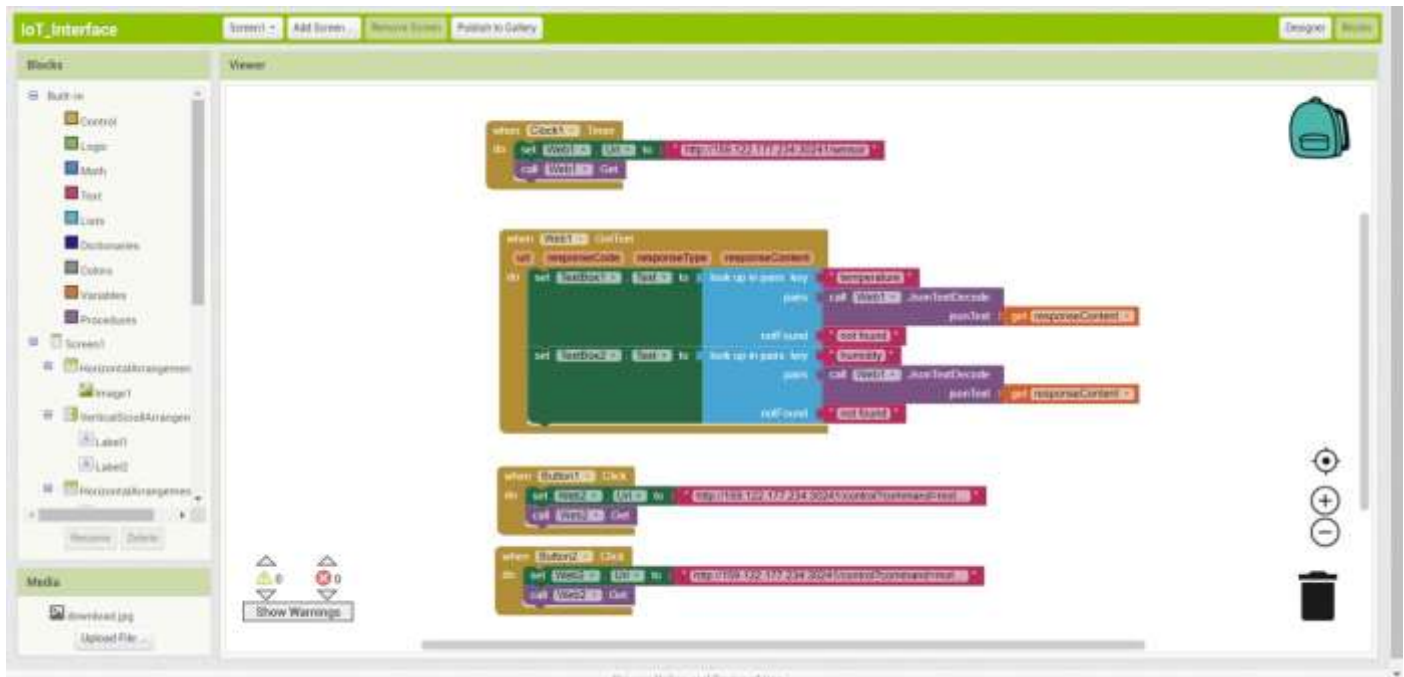
Name

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

Sensor values displayed in the mobile phone

```
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
```

Screen1



Hazardous Industrial Area Monitoring using IoT

Temperature

33

Humidity

33

Motor Control

ON

OFF

Team Id : PNT2022TMID43363