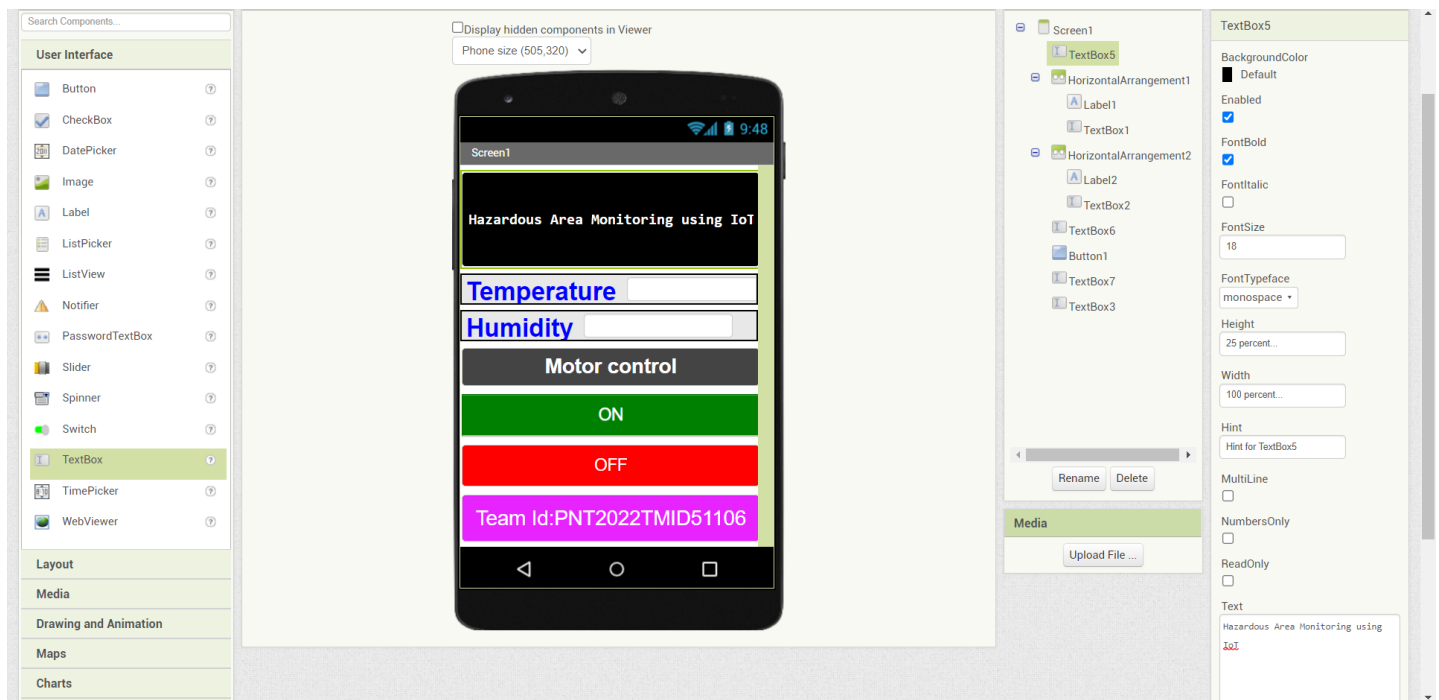


Sprint-3

Team Id	PNT2022TMID51106
Title	Hazardous Area Monitoring for Industrial Plant Powered by IoT

Design UI To Display The Temperature, Humidity



Configuring function to fetch the desired value

Flow 1

industryiot

IBM IoT
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

IBM IoT
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

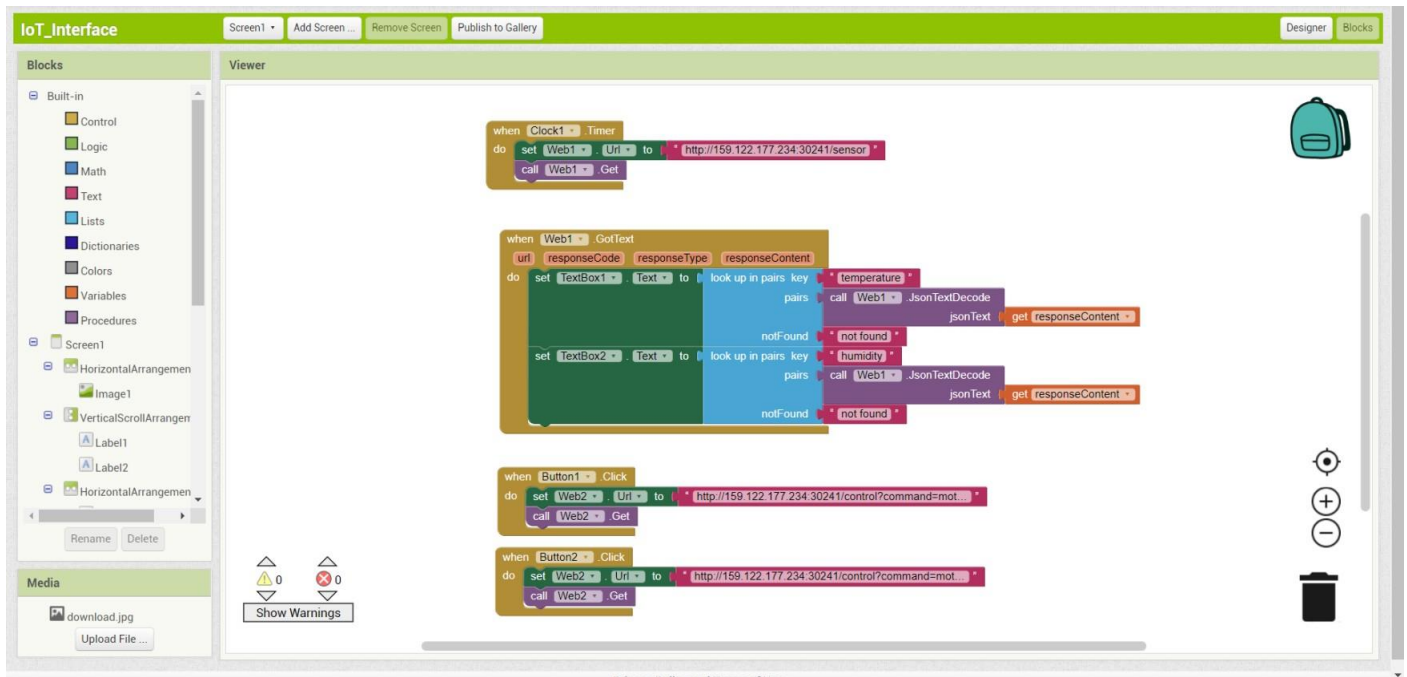
global.set('h',msg.payload)

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
```