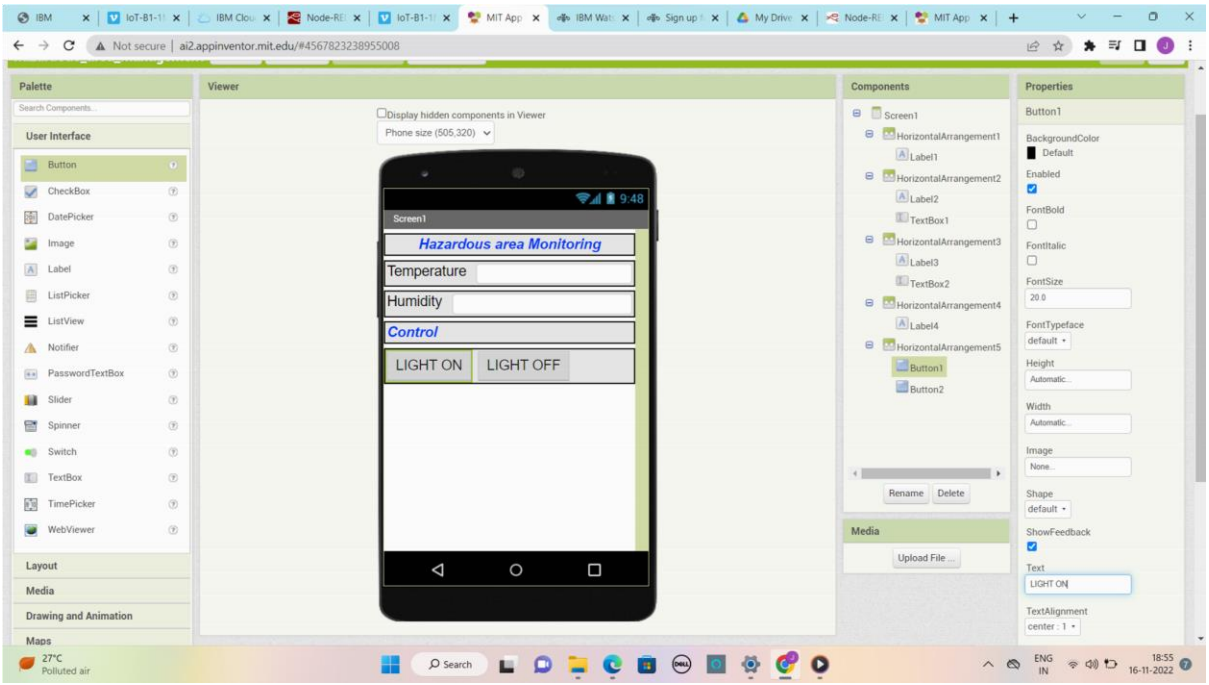
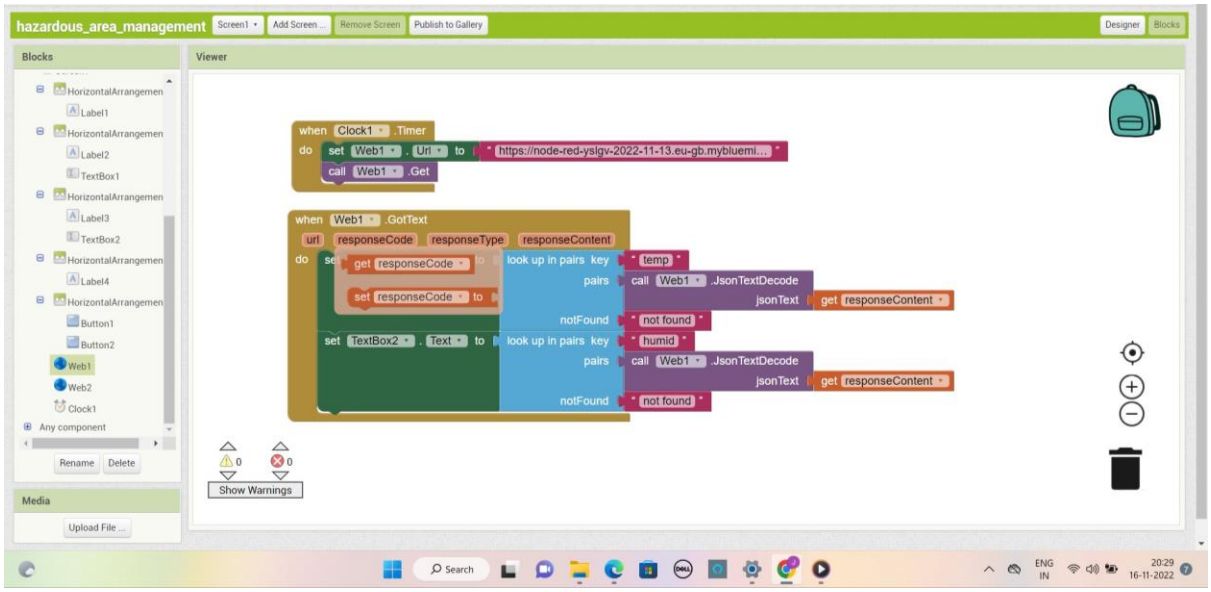
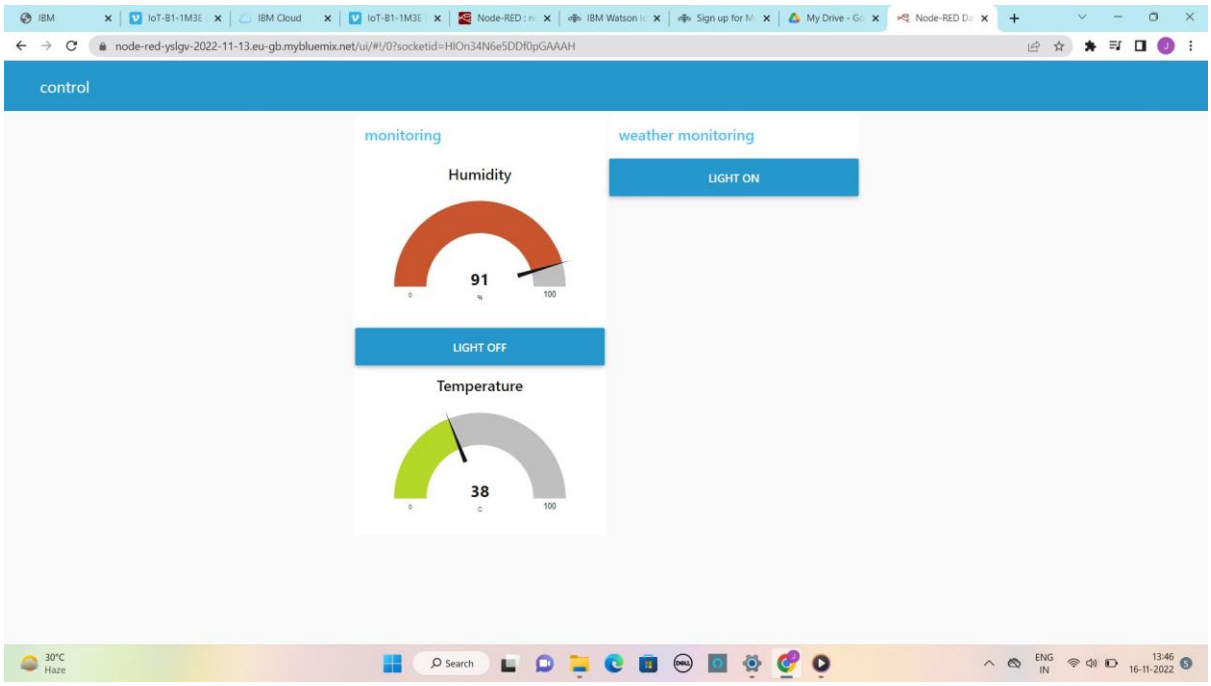
Building Mobile App

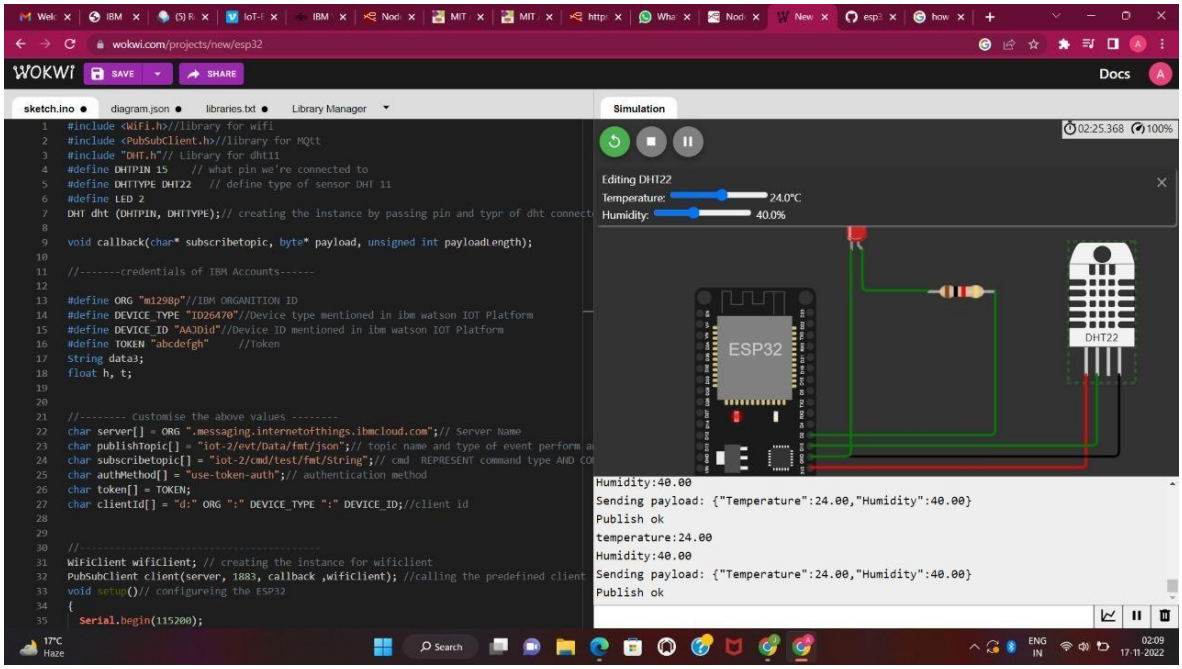
Configure the Mobile App for Controlling Motor Using Buttons

Date	17th November 2022
Team Id	PNT2022TMID21831




hazardous_area_management
Screen1
Add Screen ...
Remove Screen
Publish to Gallery
Designer
Blocks
Viewer
when Clock1 .Timer
do set Web1 . Url to https://node-red-yslgv-2022-11-13.eu-gb.mybluemi...
call Web1 .Get
when Web1 .GotText
url responseCode responseType responseContent
get responseCode
set responseCode to
look up in pairs key temp
pairs call Web1 .JsonTextDecode
jsonText get responseContent
notFound not found
set TextBox2 . Text to
look up in pairs key humid
pairs call Web1 .JsonTextDecode
jsonText get responseContent
notFound not found
Show Warnings
Media
Upload File ...
Rename
Delete


node-red-yslgv-2022-11-13.eu-gb.mybluemix.net/ui/#!/0?socketid=HIOn34N6e5DDf0pGAAAH
control
monitoring
Humidity
91
LIGHT OFF
Temperature
38
weather monitoring
LIGHT ON




```
#include <WiFi.h>//library for wifi
#include <PubSubClient.h>//library for MQtt
#include "DHT.h"// Library for dht11
#define DHTPIN 15    // What pin we're connected to
#define DHTTYPE DHT22   // define type of sensor DHT 11
#define LED 2
DHT dht (DHTPIN, DHTTYPE);// creating the instance by passing pin and typr of dht connect

void callback(char* subscribetopic, byte* payload, unsigned int payloadLength);

//-------credentials of IBM Accounts------

#define ORG "m1298p"//IBM ORGANITION ID
#define DEVICE_TYPE "ID26470"//Device type mentioned in ibm watson IOT Platform
#define DEVICE_ID "AAJDid"//Device ID mentioned in ibm watson IOT Platform
#define TOKEN "abcdefgh"     //Token
String data3;
float h, t;


//-------- Customise the above values --------
char server[] = ORG ".messaging.internetofthings.ibmcloud.com";// Server Name
char publishTopic[] = "iot-2/evt/Data/fmt/json";// topic name and type of event perform a
char subscribetopic[] = "iot-2/cmd/test/fmt/String";// cmd  REPRESENT command type AND CO
char authMethod[] = "use-token-auth";// authentication method
char token[] = TOKEN;
char clientId[] = "d:" ORG ":" DEVICE_TYPE ":" DEVICE_ID;//client id


//-----------------------------------------
WiFiClient wifiClient; // creating the instance for wificlient
PubSubClient client(server, 1883, callback ,wifiClient); //calling the predefined client
void setup()// configureing the ESP32
{
  Serial.begin(115200);
```