

# Final Deliverables

[Click here to view Wokwi Simulation](#)

[Click here to View Login Page](#)

**Username: Admin**

**Password: Admin**

[Click here to View Node Red Dashboard](#)

## Login Page



Welcome To Login Form

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Incognito

**Login Form**

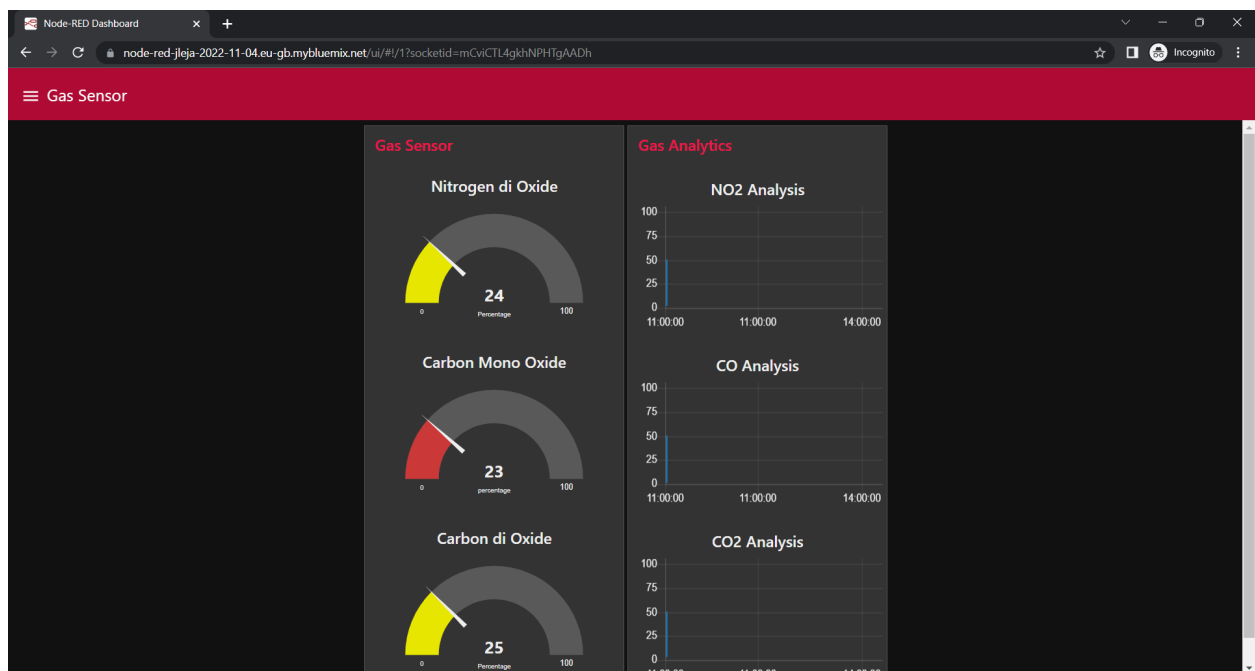
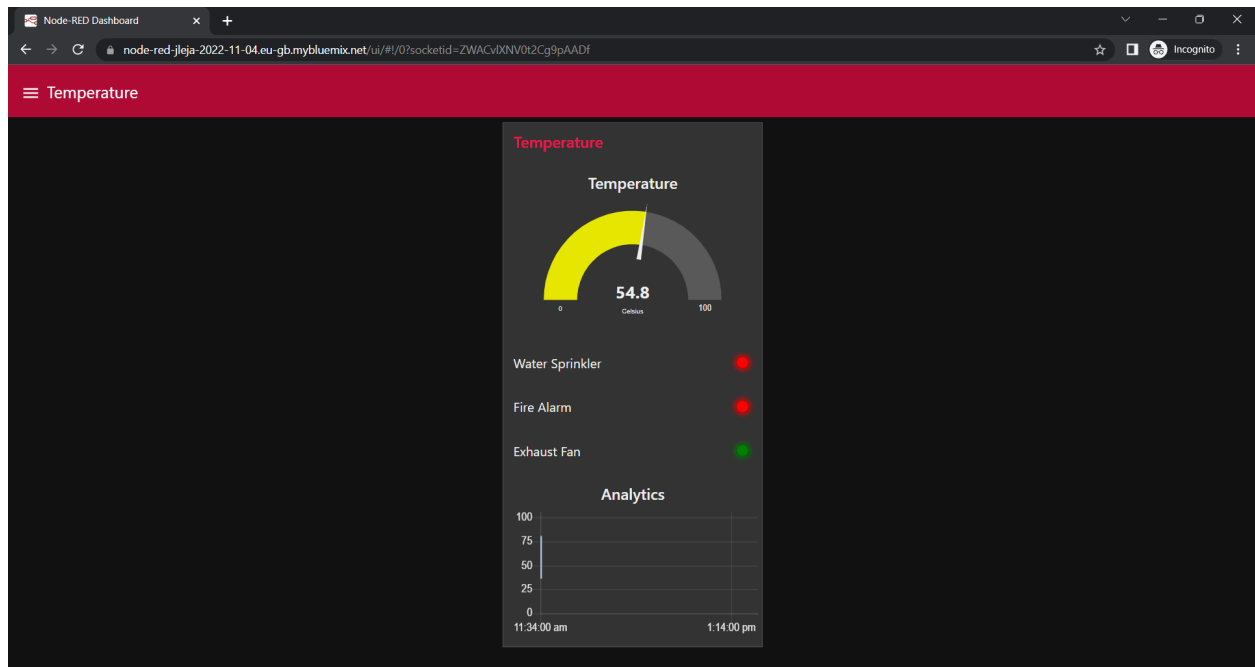
Enter User Name :

Enter Password :

**Login**

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# Node RED Dashboard



# Wokwi Simulation

**WOKWI** Temperature Simulation copy

```

4 #define DHTPIN 15 // what pin we're connected to
5 #define DHTTYPE DHT22 // define type of sensor DHT 11
6 #define BUZZER_PIN 2
7 int BUZZER_CHANNEL = 0;
8 DHT dht (DHTPIN, DHTTYPE); // creating the instance by passing pin and type of dht connect
9
10 void callback(char* subscribetopic, byte* payload, unsigned int payloadLength);
11
12 //-----credentials of IBM Accounts-----
13
14 #define ORG "lryrya" //IBM ORGANIZATION ID
15 #define DEVICE_TYPE "Temp" //Device type mentioned in ibm watson IOT Platform
16 #define DEVICE_ID "T1" //Device ID mentioned in ibm watson IOT Platform
17 #define TOKEN "123456789" //Token
18 String data3;
19 float Temperature;
20
21 //----- Customise the above values -----
22 char server[] = ORG ".messaging.internetofthings.ibmcloud.com"; // Server Name
23 char publishTopic[] = "iot-2/evt/Data/fmt/json"; // topic name and type of event perform a
24 char subscribetopic[] = "iot-2/cmd/command/fmt/String"; // cmd REPRESENT command type AND
25 char authMethod[] = "use-token-auth"; // authentication method
26 char token[] = TOKEN;
27 char clientId[] = "d:" ORG ":" DEVICE_TYPE ":" DEVICE_ID; //client id
28
29 //-----
30
31 //-----
32 WiFiClient wificlient; // creating the instance for wificlient
33 PubSubClient client(server, 1883, callback, wificlient); //calling the predefined client
34 void setup() // configuring the ESP32
35 {

```

**Simulation**

Publish ok  
temperature:54.80  
Sending payload: {"Temperature":54.80}  
Publish ok  
temperature:54.80  
Sending payload: {"Temperature":54.80}  
Publish ok

Temperature Simul...zip IBM-20902-16626...pdf

Show all

## IBM Watson IOT Platform

**IBM Watson IoT Platform**

Browse Action Device Types Interfaces

criteria. To get started, you can add devices by using the Add Device button, or by using API.

Search by Device ID

Device Simulator ☒

Device ID	Status	Device Type	Class ID	Date Added	Descriptive Location
ESP	Disconnected	ESP32	Device	Oct 26, 2022 3:16 PM	
F1	Disconnected	Flame_Sensor	Device	Oct 16, 2022 7:39 PM	
G1	Connected	Gas_Sensor	Device	Oct 16, 2022 7:35 PM	
Gas_Sensor_1	Disconnected	Gas_Sensor	Device	Nov 14, 2022 9:33 PM	
T1	Connected	Temp	Device	Oct 11, 2022 3:29 PM	

Items per page 50 | 1-5 of 5 items

1 of 1 page

0 Simulations running

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Show all

## Alert SMS through fast2sms



VM-FTWSMS



yourotp:  
Alert Fire has been detected in XYZ  
industry! Kindly Evacuate from  
the place



- Sent via FTWSMS

yourotp:

Alert Fire has been detected in XYZ  
industry! Kindly Evacuate from  
the place



- Sent via FTWSMS

yourotp:

Alert Fire has been detected in XYZ  
industry! Kindly Evacuate from  
the place



- Sent via FTWSMS

yourotp:

Alert some abnormal conditions  
were found in XYZ industry! Kindly