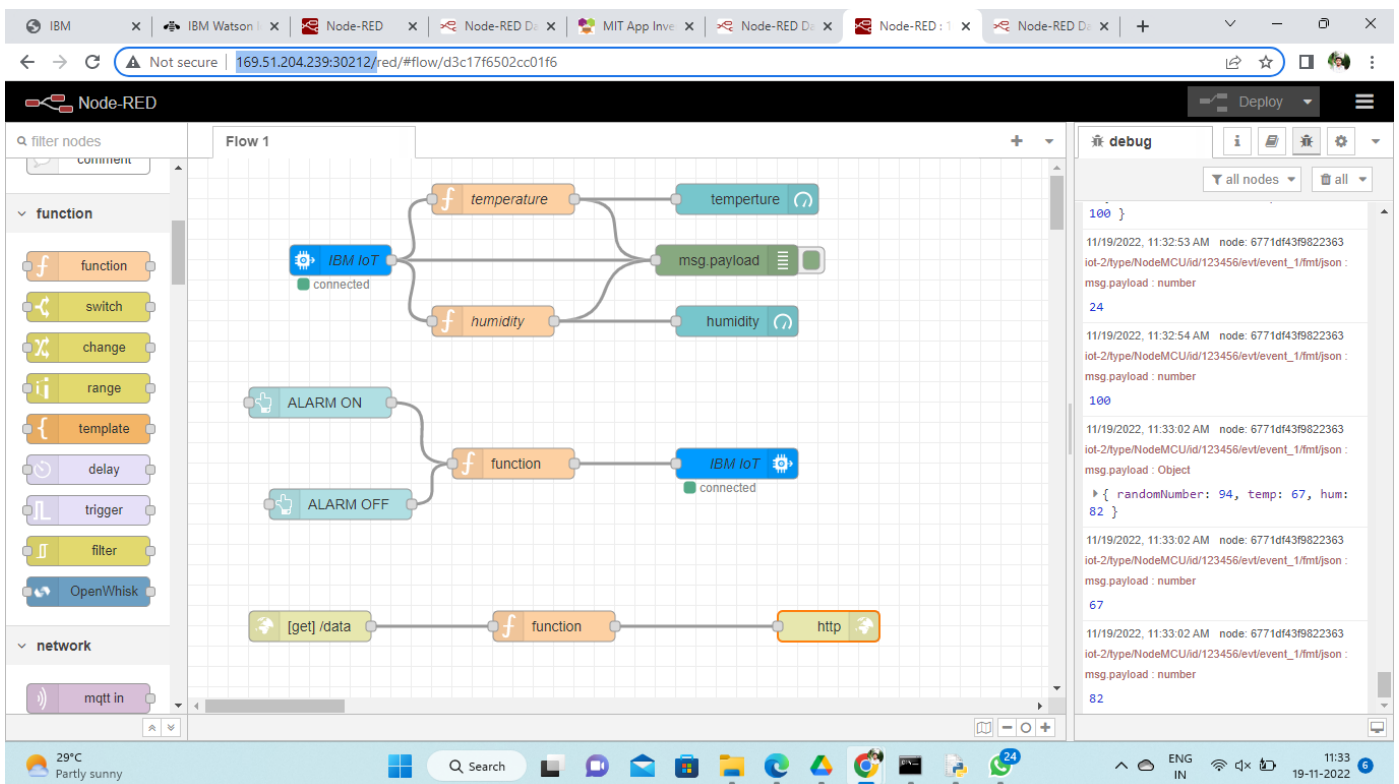


Use Dashboard Nodes For Creating UI(Web App)

Date	17 November 2022
Team Id	PNT2022TMID28572
Title	Hazardous Area Monitoring for Industrial Plant using IoT

Node red flow



Dashboard configuration

This screenshot shows the Node-RED interface with a flow named 'Flow 1'. The flow includes an 'IBM IoT' node connected to a 'function' node, which then connects to a 'temperature' gauge node. The 'Edit gauge node' dialog is open, showing the following properties:

- Group: [Hazardous area] alarmoff
- Size: auto
- Type: Gauge
- Label: temperature
- Value format: {{value}}
- Units: units
- Range: min 0, max 100
- Colour gradient: [Green, Yellow, Red]
- Sectors: 0, optional, optional, 100

The 'debug' console on the right shows the following log entries:

```
11/19/2022, 11:33:12 AM node: 6771df43f9822363  
iot-2/type/NodeMCUID/123456/ev/Event_1/fmt/json :  
msg.payload : number  
58  
11/19/2022, 11:33:12 AM node: 6771df43f9822363  
iot-2/type/NodeMCUID/123456/ev/Event_1/fmt/json :  
msg.payload : number  
81  
11/19/2022, 11:33:22 AM node: 6771df43f9822363  
iot-2/type/NodeMCUID/123456/ev/Event_1/fmt/json :  
msg.payload : Object  
{ { randomNumber: 28, temp: 18, hum:  
90 }  
11/19/2022, 11:33:22 AM node: 6771df43f9822363  
iot-2/type/NodeMCUID/123456/ev/Event_1/fmt/json :  
msg.payload : number  
18  
11/19/2022, 11:33:22 AM node: 6771df43f9822363  
iot-2/type/NodeMCUID/123456/ev/Event_1/fmt/json :  
msg.payload : number  
90
```

This screenshot shows the Node-RED interface with a flow named 'Flow 1'. The flow includes an 'IBM IoT' node connected to a 'function' node, which then connects to a 'humidity' gauge node. The 'Edit gauge node' dialog is open, showing the following properties:

- Group: [Hazardous area] alarmoff
- Size: auto
- Type: Gauge
- Label: humidity
- Value format: {{value}}
- Units: units
- Range: min 0, max 100
- Colour gradient: [Green, Yellow, Red]
- Sectors: 0, optional, optional, 100

The 'debug' console on the right shows the following log entries:

```
11/19/2022, 11:33:12 AM node: 6771df43f9822363  
iot-2/type/NodeMCUID/123456/ev/Event_1/fmt/json :  
msg.payload : number  
58  
11/19/2022, 11:33:12 AM node: 6771df43f9822363  
iot-2/type/NodeMCUID/123456/ev/Event_1/fmt/json :  
msg.payload : number  
81  
11/19/2022, 11:33:22 AM node: 6771df43f9822363  
iot-2/type/NodeMCUID/123456/ev/Event_1/fmt/json :  
msg.payload : Object  
{ { randomNumber: 28, temp: 18, hum:  
90 }  
11/19/2022, 11:33:22 AM node: 6771df43f9822363  
iot-2/type/NodeMCUID/123456/ev/Event_1/fmt/json :  
msg.payload : number  
18  
11/19/2022, 11:33:22 AM node: 6771df43f9822363  
iot-2/type/NodeMCUID/123456/ev/Event_1/fmt/json :  
msg.payload : number  
90
```

Final Output - Dashboard

