

**Creating a Node-Red  
UI to view data in  
Separate Graphical  
form**

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<b>Project Name</b>	<b>Project - Gas Leakage Monitoring and AlertingSystem for Industries.</b>

After creating the Node Red Web Application, we have to install the UIinterface in NodeRed.

- Copy and pasting the URL of the NodeRed in the newtab

Node-RED interface showing a flow for monitoring environmental data. The flow starts with an IBM IoT node (connected) feeding into five function nodes: Hazardous Gas, Temperature, Humidity, and Pressure. These function nodes are connected to corresponding output nodes: Hazardous Gas, Temperature, Humidity, and Pressure. A msg.payload node is also connected to the function nodes. The debug console shows the following log:

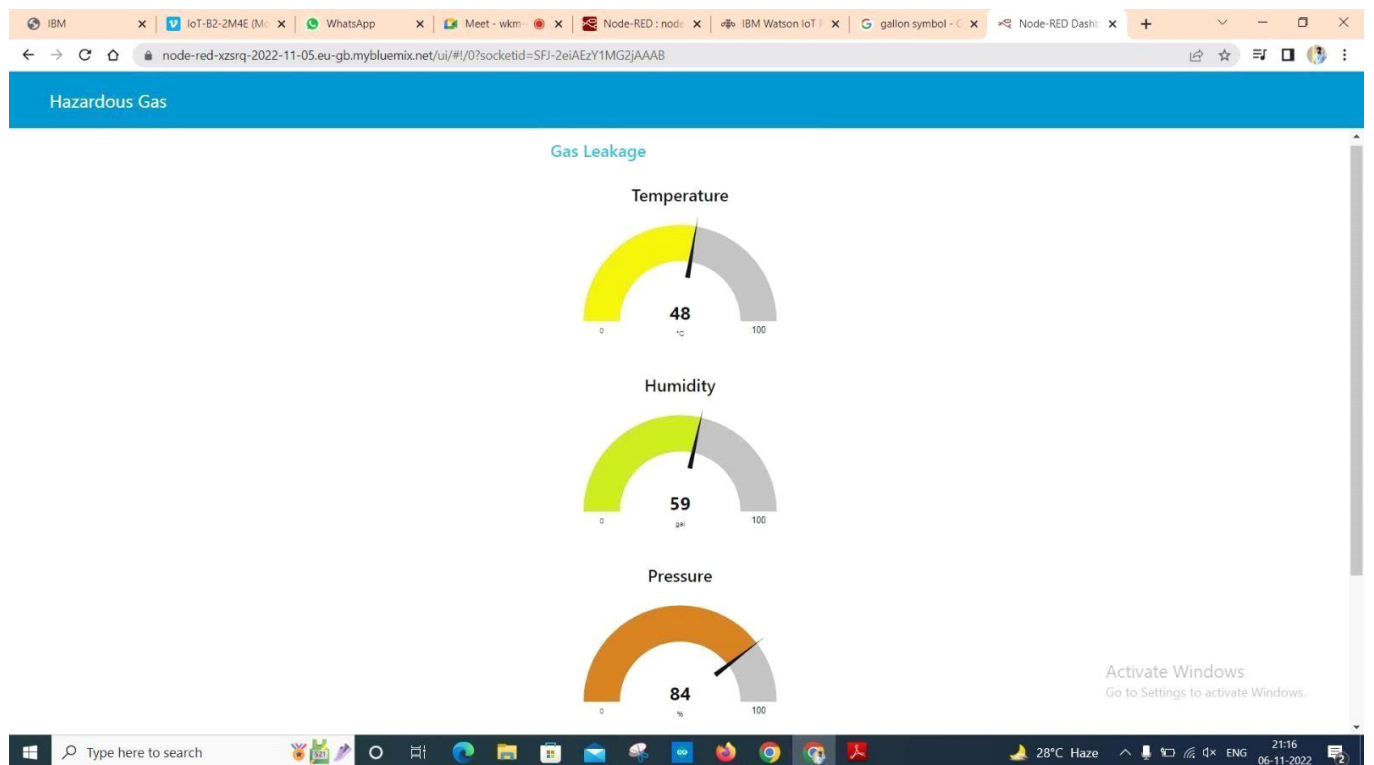
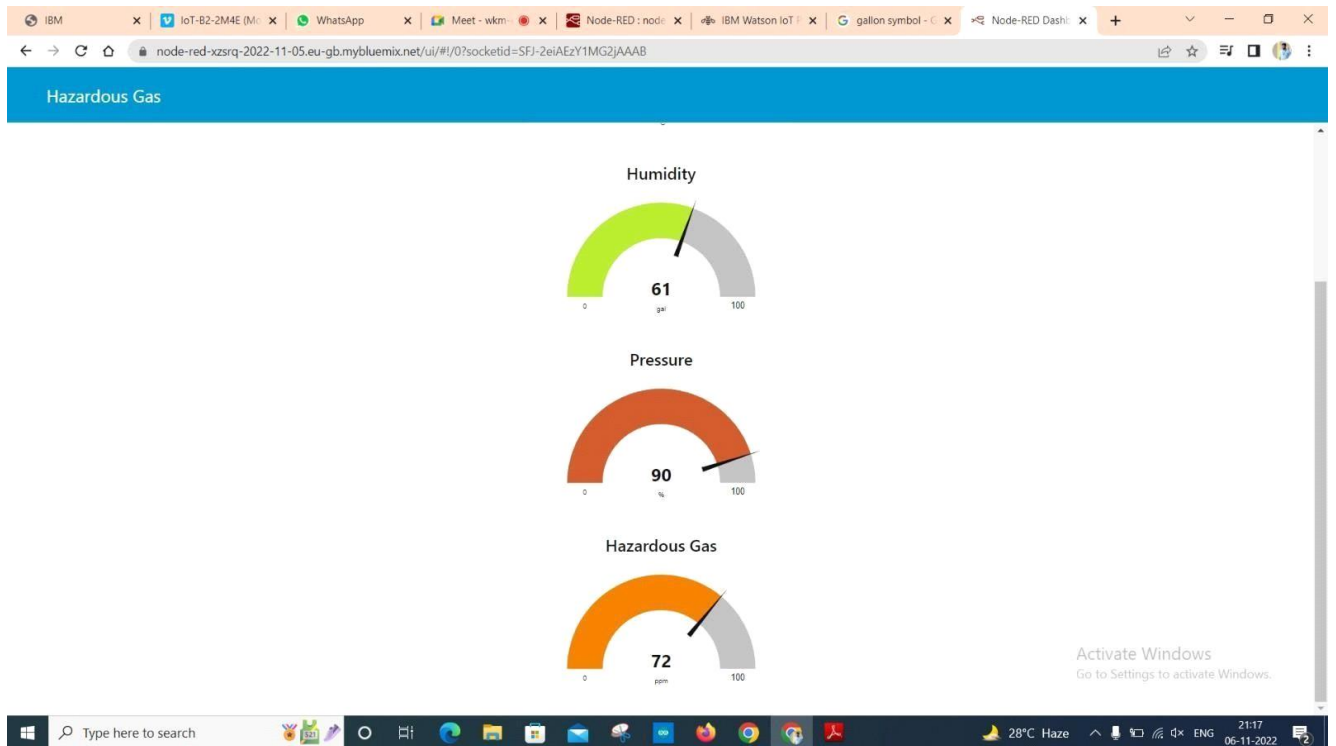
```
11/6/2022, 9:39:25 PM node: b0ec330fac71d47  
iot-2/type/Kumaran/12345/ev/event_1/fmt/json :  
msg.payload : number  
29  
11/6/2022, 9:39:26 PM node: b0ec330fac71d47  
iot-2/type/Kumaran/12345/ev/event_1/fmt/json :  
msg.payload : Object  
{ HazardousGas: 26, Temperature: 32, Humidity: 57, Pressure: 45 }  
11/6/2022, 9:39:29 PM node: b0ec330fac71d47  
iot-2/type/Kumaran/12345/ev/event_1/fmt/json :  
msg.payload : number  
32  
11/6/2022, 9:39:30 PM node: b0ec330fac71d47  
iot-2/type/Kumaran/12345/ev/event_1/fmt/json :  
msg.payload : number  
57  
11/6/2022, 9:39:31 PM node: b0ec330fac71d47  
iot-2/type/Kumaran/12345/ev/event_1/fmt/json :  
msg.payload : number  
45  
11/6/2022, 9:39:32 PM node: b0ec330fac71d47  
iot-2/type/Kumaran/12345/ev/event_1/fmt/json :  
msg.payload : number  
26
```

Google search results for "Node-RED Dashboard". The search bar shows "Search Google or type a URL". The results list includes:

- Node-RED Dashboard - <https://node-red-xzsrq-2022-11-05.eu-gb.mybluemix.net/ui>
- Node-RED Dashboard - <https://node-red-xzsrq-2022-11-05.eu-gb.mybluemix.net/ui/#/I/0?socketid=SFJ-2eiAEzY1MG2jAAAB>

Below the search results, there are several shortcuts for National Eligibility, Outlook, and Add shortcut. The bottom of the page shows the Windows taskbar with the date 06-11-2022 and time 21:41.

- Output



Link: <https://node-red-xzsrq-2022-11-05.eu-gb.mybluemix.net/ui/#!/0?socketid=SfJ-2eiAEzY1MG2jAAAB>

**Result:**

Thus, the Node Red UI is created successfully.