

Develop the web application using Node-Red

Date	11 November 2022
Team ID	PNT2022TMID13412
Project Name	Gas Leakage Monitoring and Alerting System for Industries.

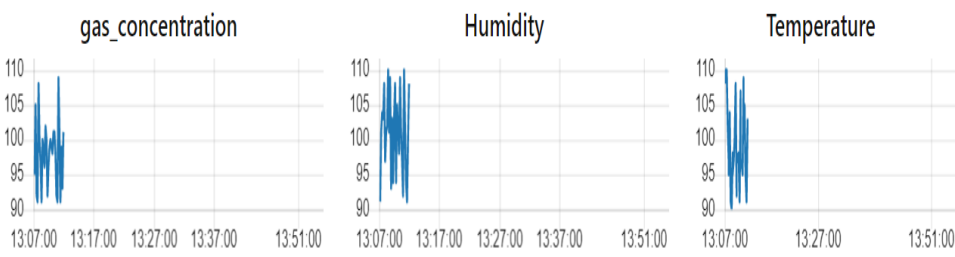
The screenshot displays the Node-RED web interface in a browser. The top navigation bar includes tabs for various applications and a search bar. The main workspace shows a flow diagram with the following components and connections:

- Input:** An **ibmiot in** node is connected to three function nodes: **gasconcentration**, **Humidity**, and **Temperature**.
- Processing:** The function nodes are connected to **JSONata** nodes, which then connect to **gas_concentration**, **Humidity**, and **Temperature** display nodes.
- Output:** The **ibmiot in** node is also connected to an **Alarm ON** node, which is connected to an **Alarm OFF** node. The **Alarm OFF** node is connected to an **IBM IoT** node (labeled "connected").
- Database:** A **mydatabase** node is connected to the **Alarm OFF** node and a **msg.payload** node.
- Debug Console:** The right sidebar shows the debug console with a list of messages. The selected message is a JSON object:

```
{ gasconcentration: 101, Humidity: 108, Temperature: 103 }
```

Smart Industry

Gas Detection



Smart Switch Board

ALARM OFF

ALARM ON

