

## Project Development Phase

### Delivery of Sprint 2

Date	3 November 2022
Team ID	PNT2022TMID14764
Project Name	Project –Gas leakage monitoring and alerting system for industries

### Task:

Sensed data is brought to Node-RED and displayed in the dashboard

### Steps:

1. IBM IoT node is used to gather sensor data.
  - a. Necessary API key is provided to establish a connection.
2. Using functions namely Temperature, Humidity, and Gas the data is obtained independently and displayed in the dashboard.
3. Dashboard Nodes are used to display the sensed data to the user in a portal.

### Source code:

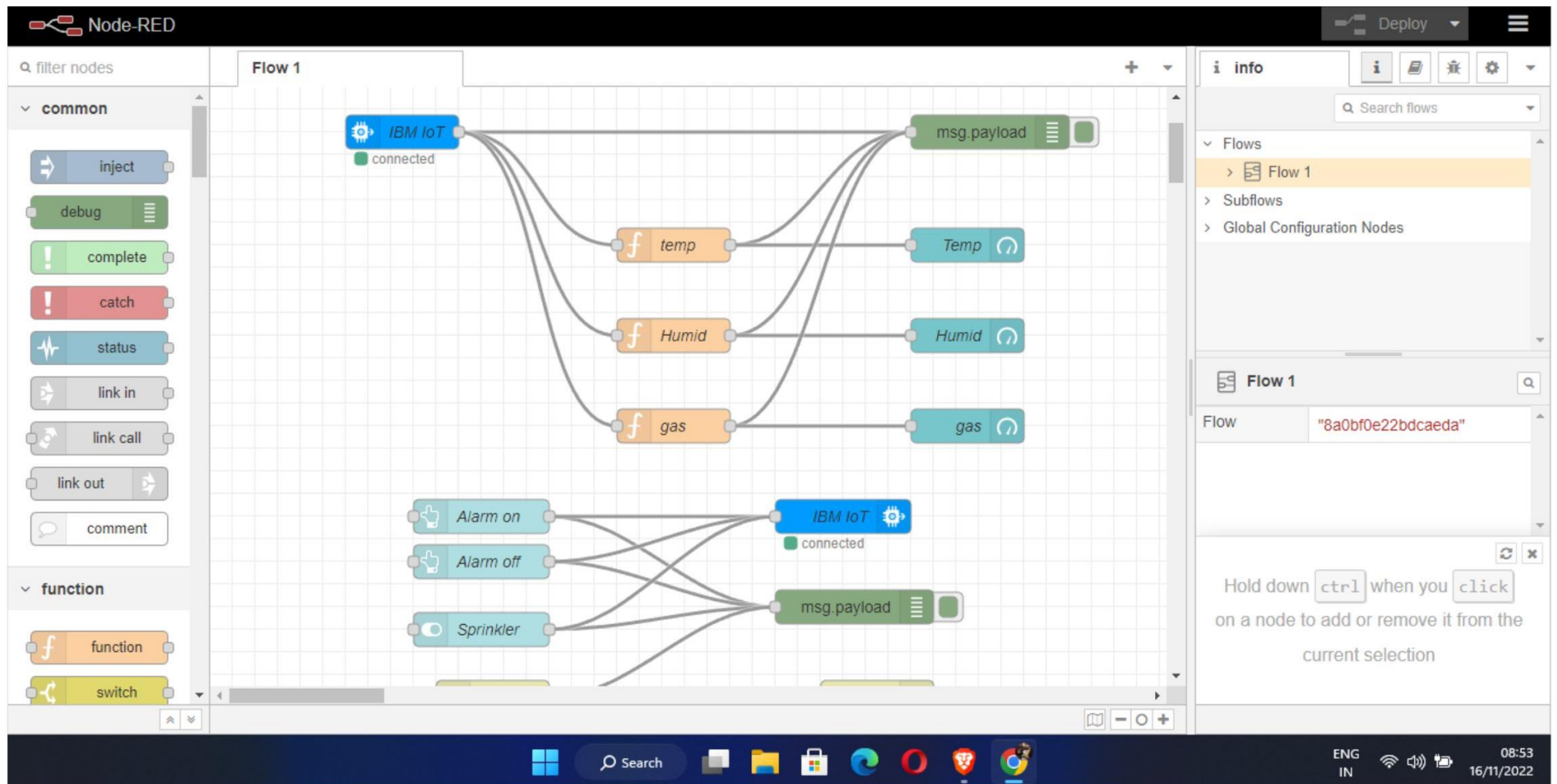
```
Temperature: msg.payload = msg.payload.Temp;  
return msg;  
Humidity: msg.payload = msg.payload.Hum;
```

```
return msg;
```

```
Concentration of Gas: msg.payload = msg.payload.gas;
```

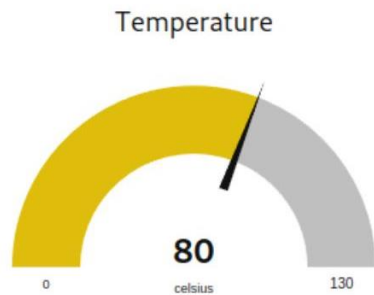
```
return msg;
```

## OUTPUT :



## Gas Leakage

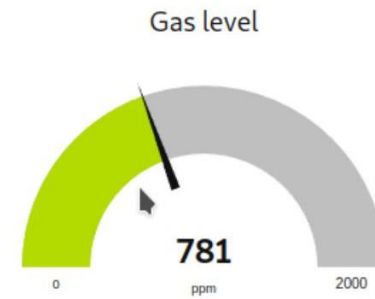
### Temperature



### Humidity Level



### Gas Level



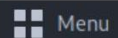
### switch board

ALARM ON

ALARM OFF

### In Case Of Fire

Sprinkler



Node-RED Dashboard - ...

[WhatsApp — Mozilla ...

[Delivery of Sprint 1.doc...

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