PROJECT PLANNING PHASE

SPRINT-2

Team ID	PNT2022TMID01775
Project Name	Gas Leakage Monitoring And Alerting System

TASK:

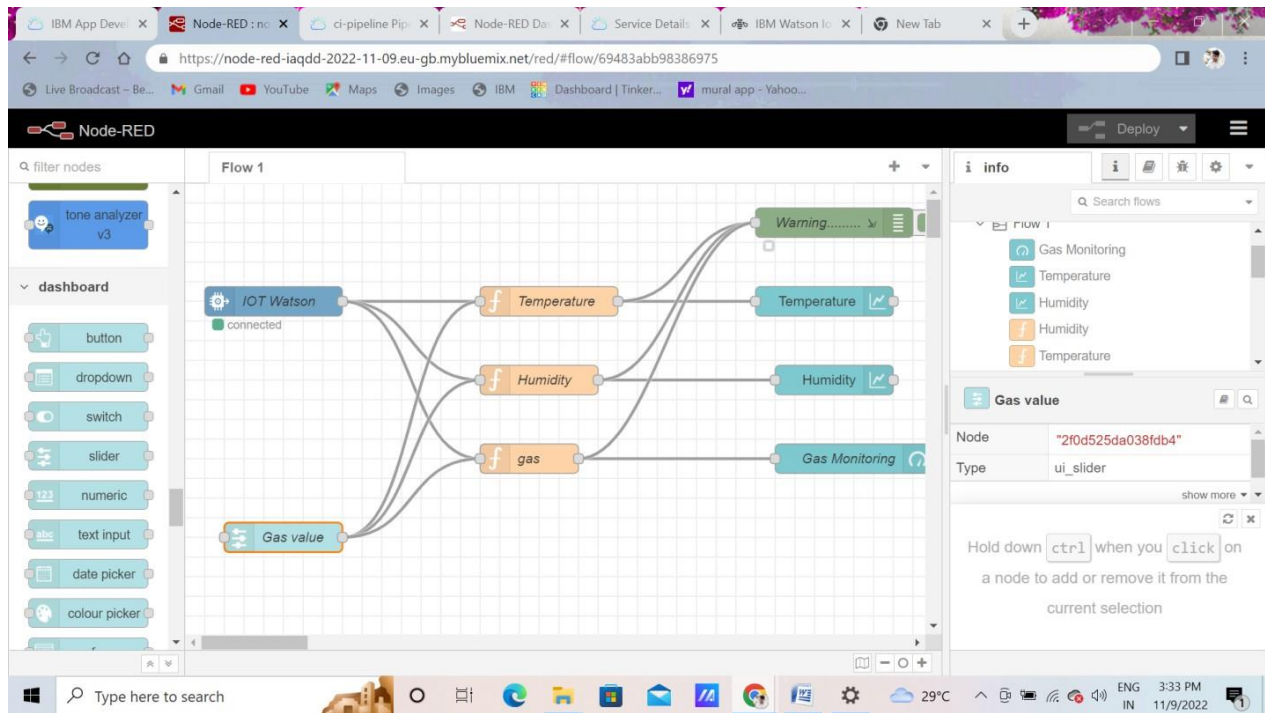Sensed data is brought to Node-RED and displayed in dashboard.

STEPS:

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

SOURCE CODE:

1. Temperature:
```
msg.payload=msg.payload.Temp;
 return msg;
```
2. Humidity:
```
msg.payload=msg.payload.Hum;
 return msg;
```
3. Concentration of Gas:
```
msg.payload=msg.payload.Gas;
 return msg;
```

OUTPUT:

1. Data is brought to Node-RED.

2. Data is displayed in dashboard.

node-red-iaqdd-2022-11-09.eu-gb.mybluemix.net/ui/#!/0?socketid=gbB6F1PfYWYnY_n1AAA0

Live Broadcast – Be...   Gmail   YouTube   Maps   Images   IBM   Dashboard | Tinker...   mural app - Yahoo...

Home

IOT gas

Gas monitoring

26
units

0   100

Temperature

```
50
37.5
25
12.5
 0
  15:27:00      15:29:00      15:32:00
```

Type here to search

29°C   ENG   3:33 PM
            IN   11/9/2022