HAZARDOUS AREA MONITORING FOR INDUSTRIAL PLANTS POWERED BY IOT

TEAM ID: PNT2022TMID26592

SPRINT 3

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.

Sour code:

Temperature: msg.payload =msg.payload.Temp;

return msg;

Humidity: msg.payload = msg.payload.Hum;

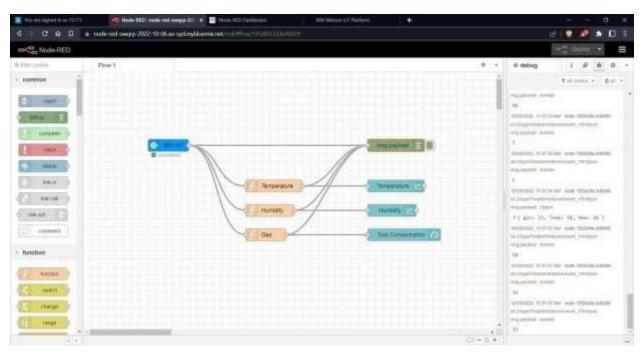
return msg;

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

return msg;

Output:

1. Data is brought to Node-RED



2. Data is displayed in Dashboard

