Gas Leakage Monitoring And Alerting System

Develop the Web Application using Node-RED

Team Members: Team ID: PNT2022TMID15951

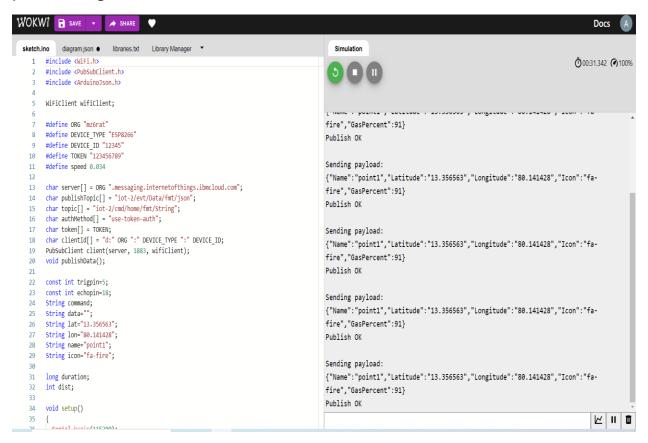
- 1. Akshaya KS
- 2. Barani G
- 3. Ashwini R
- 4. Abitha J

Features of Web UI:

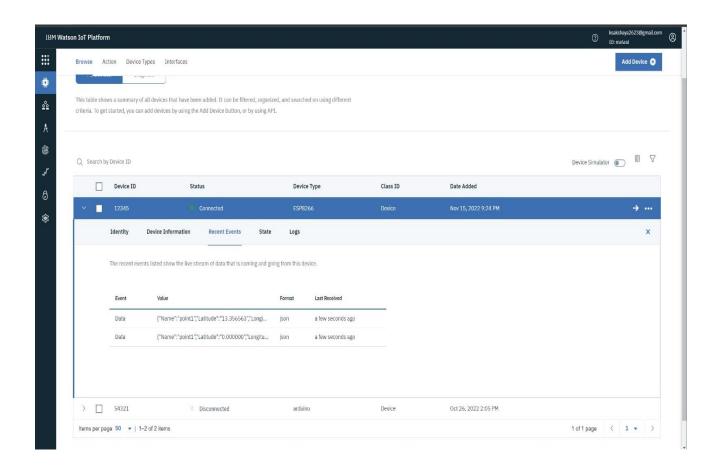
- 1. Firstly, connect to the IBM IOT platform to get the location data of the gas leakage.
- 2. Display the location on the map in the Node-RED UI
- 3. Send the e-mail to the user with the alert message.

Step 1:

Find the location of the gas leakage along with gas percentage.

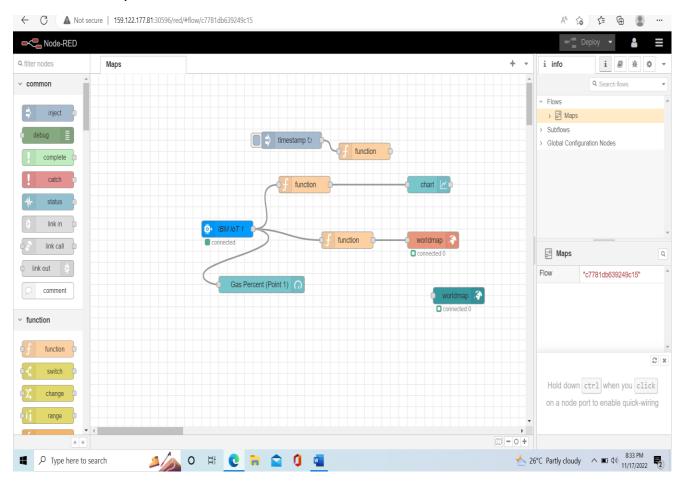


Step 2:Output shown on the IBM IOT platform.



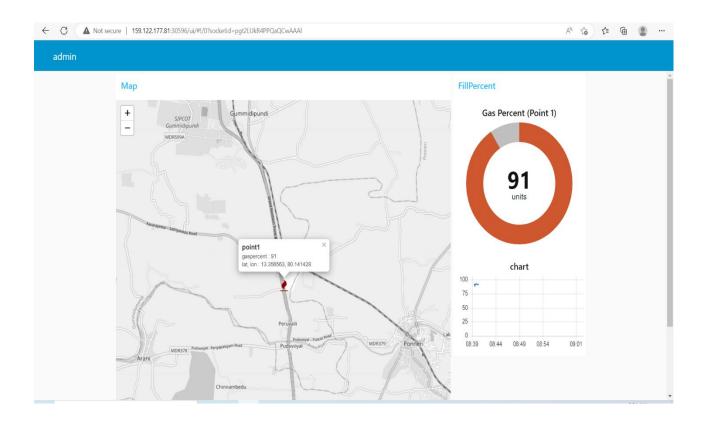
Step 3:

In this flow we use the IBM IoT node for getting data from IBM Watson IOT platform and changing them into the required format with the help of the function node and passing the values to the Gauge node (UI node) and to the World Map node.



Step 4:

The below figure shows the location along with the gas percentage and it denotes that the leakage is more.



Step 5:

Mail come to the user along with the Alert Message. The mail also contains the location and gas percentage.

