

SPRINT 3

Framework (Local system deployment)

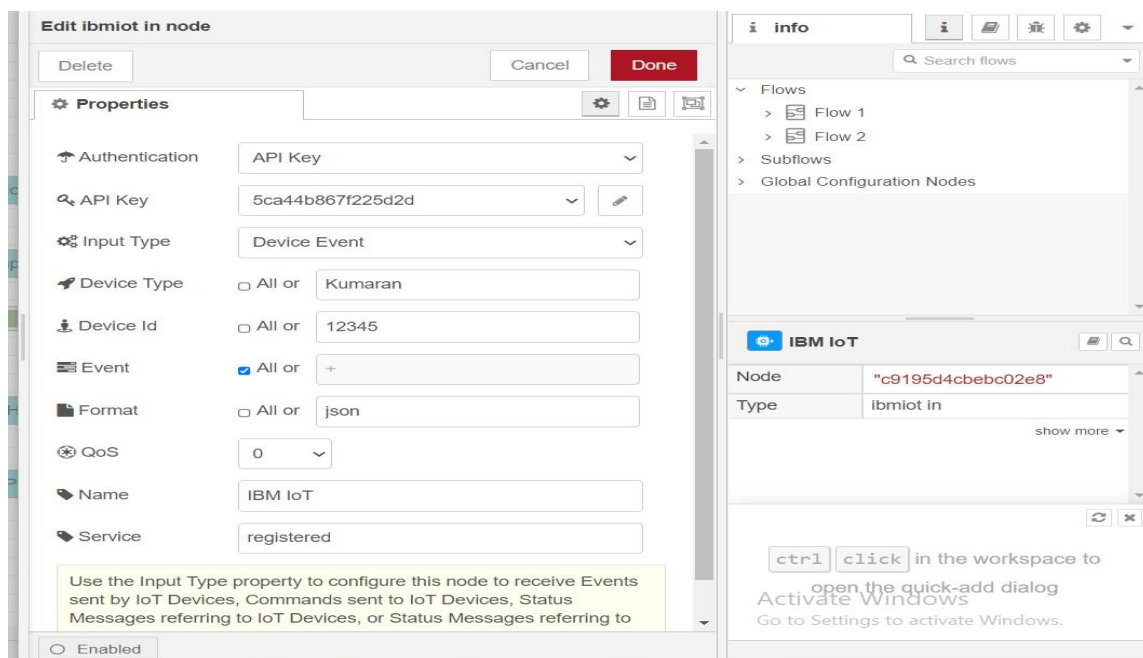
Date	12 November 2022
Team ID	PNT2022TMID27071
Project Name	Project - Gas Leakage Monitoring and Alerting System for Industries.

Local deployment:

- In this case, the entire application is contained within a virtual directory and all the contents and assemblies are contained within it and available to the application.

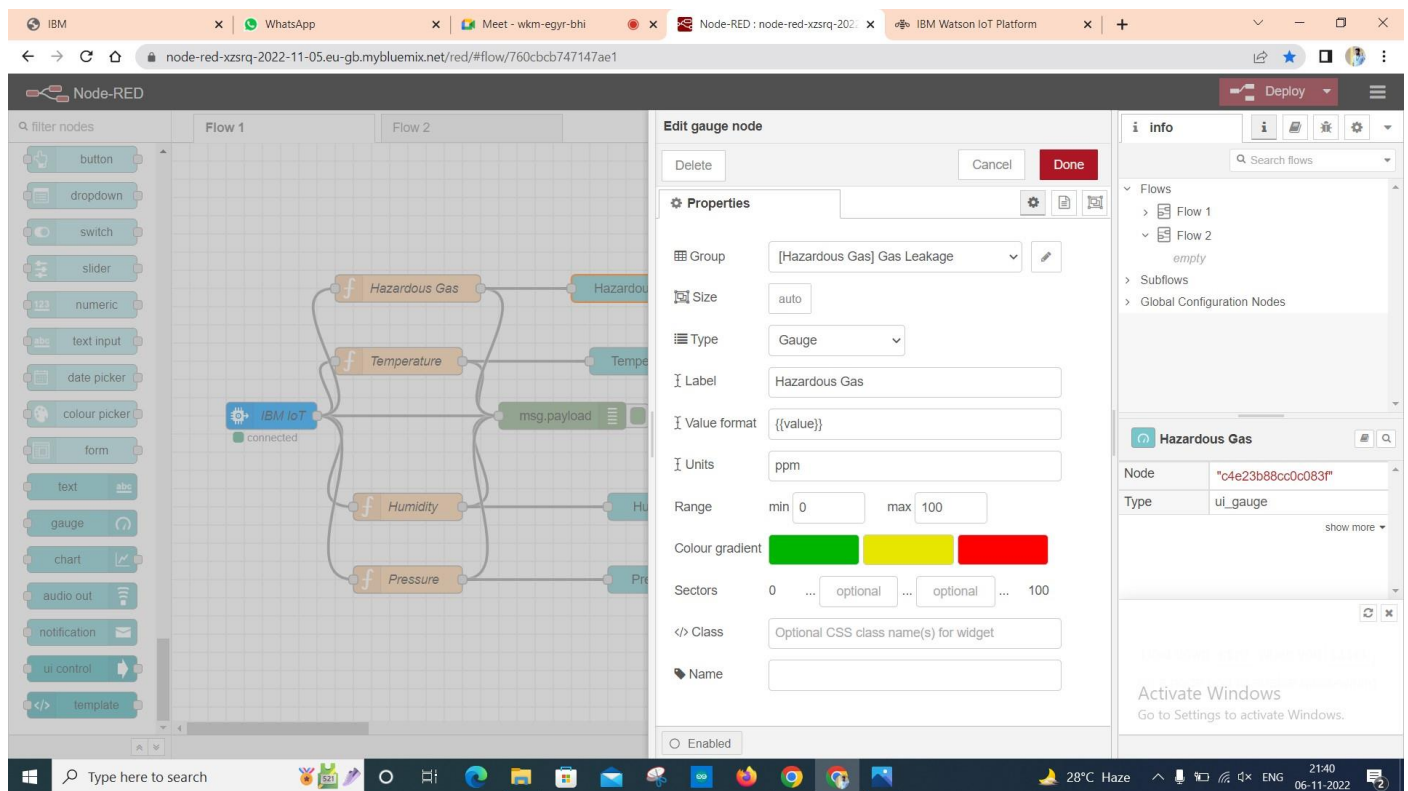
5.3 Configuration of Node-Red to send commands to IBM cloud:

ibmiot out node I used to send data from Node-Red to IBM Watson device. So, after adding it to the flow we need to configure it with credentials of our Watson device.

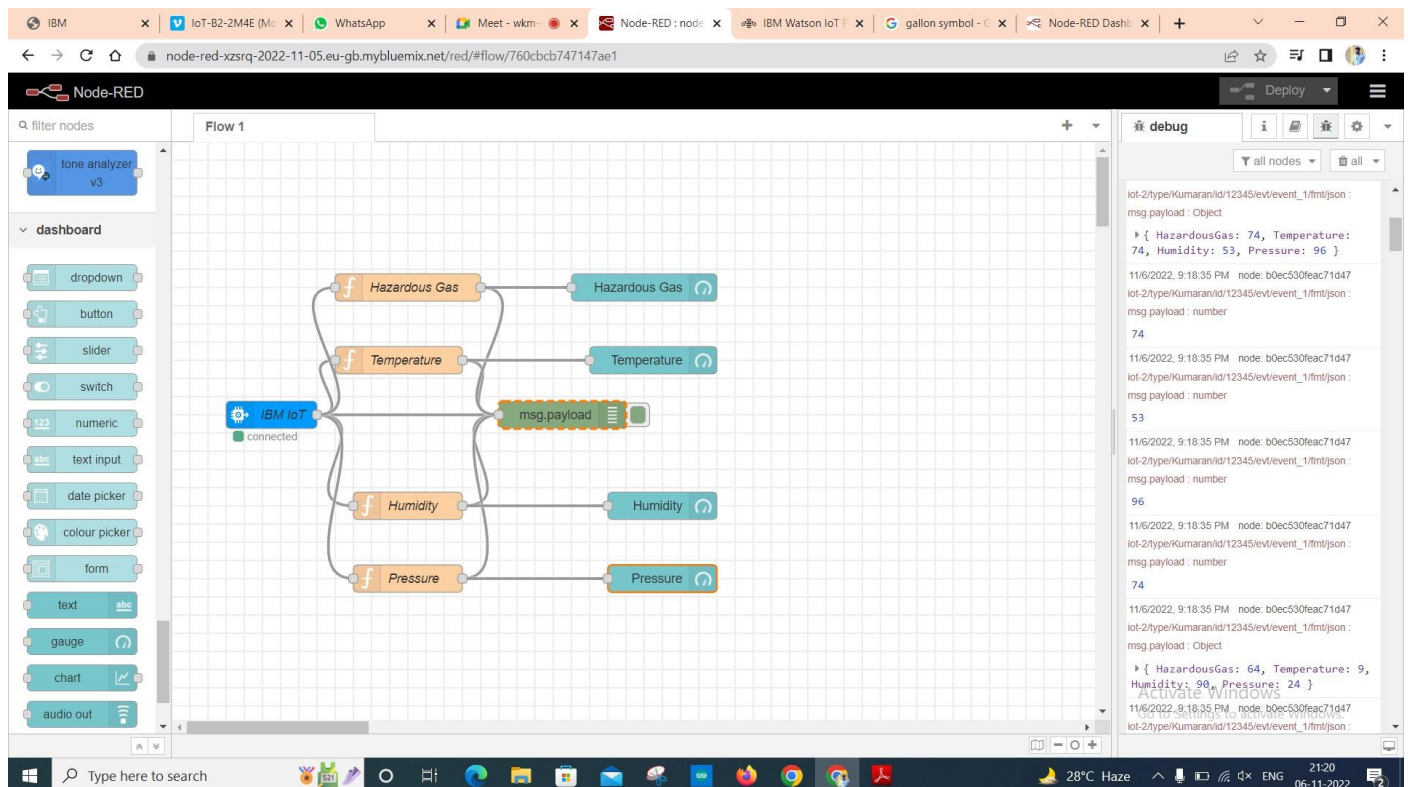


5.4 Adjusting User Interface:

In order to display the parsed JSON data a Node-Red dashboard is created Here we are using Gauges, text and button nodes to display in the UI and helps to monitor the parameters. Below images are the Gauge, text and button node configurations.

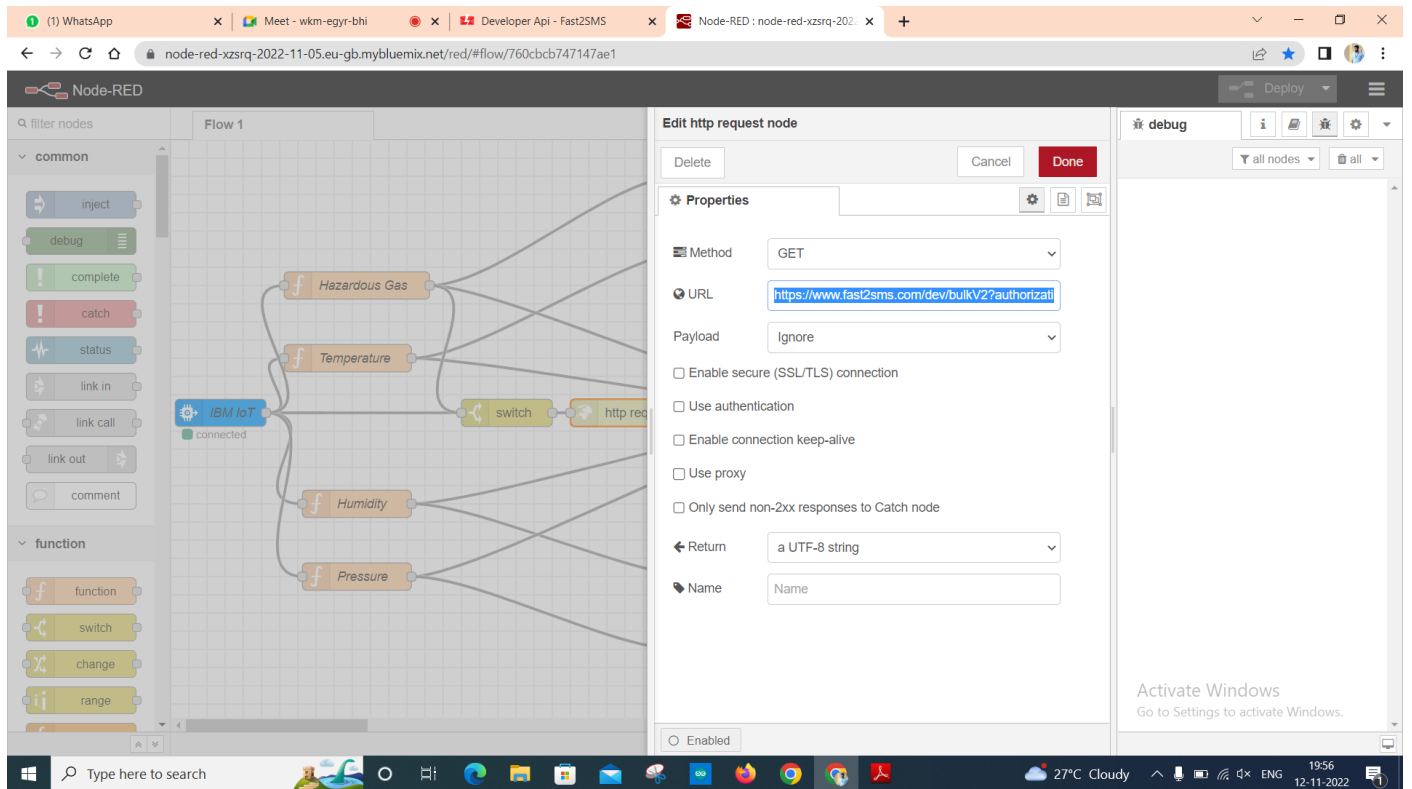


Complete Program Flow:

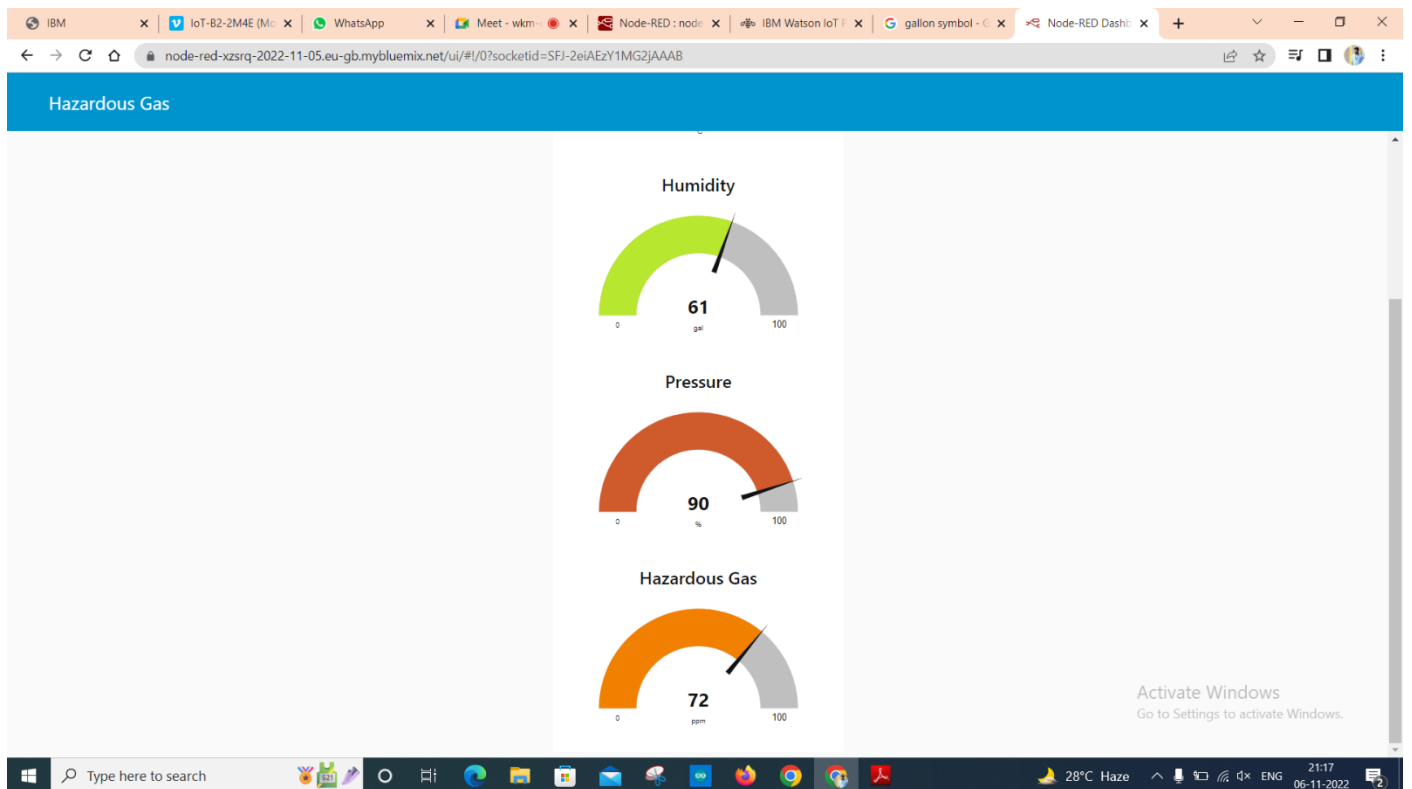


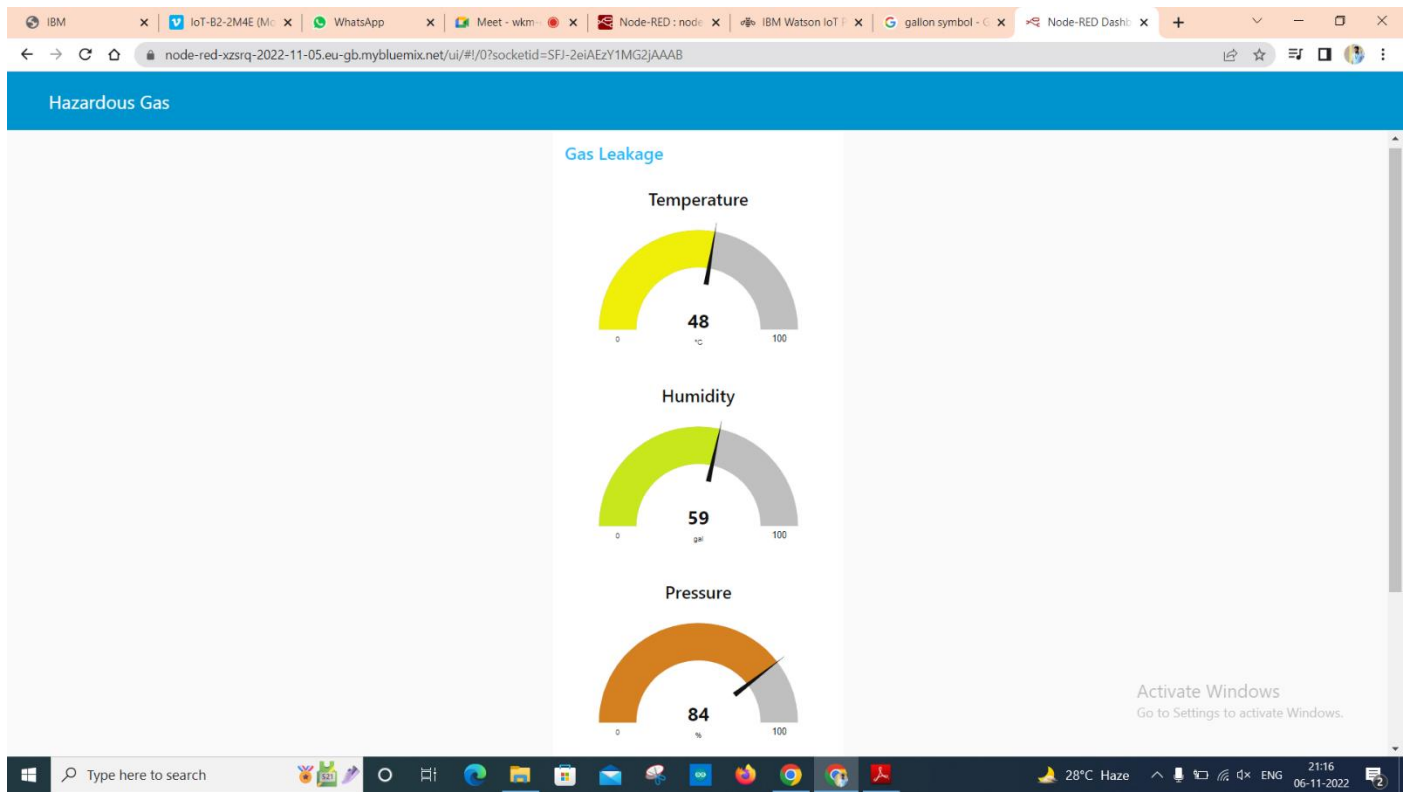
The image is a screenshot of a web browser displaying the Fast2SMS Developer API interface. The browser's address bar shows the URL 'fast2sms.com/dashboard/dev-api'. The page has a dark header with the Fast2SMS logo, navigation links like 'How Developer API Works', 'Account Info', and a user profile 'Kumaran N...'. A sidebar on the left contains a balance of ₹40.50 and an 'ADD CREDIT' button, along with menu items: Bulk SMS, DLT SMS, Quick SMS, Address Book, Delivery Reports, Transactions, Dev API (highlighted), Settings, and Help. The main content area has three tabs: 'Dev API', 'API Key', and 'Security'. The 'Dev API' tab is active, showing a form for configuring a GET request. The form includes a 'Method' dropdown set to 'GET', a 'Route' dropdown set to 'Quick SMS', and a 'Message' text area containing 'Gas Leakage is detected !!!'. A note specifies 'Per SMS cost ₹ 3.50'. The 'Language' field is empty. To the right of the form, a dark box displays the resulting API endpoint and query parameters: 'GET https://www.fast2sms.com/dev/bulkV2' with parameters for authorization, route, message, language, numbers, and flash. The Windows taskbar at the bottom shows the time as 19:55 on 12-11-2022, with weather and system icons.

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Web APP UI Home Tab:





Final Output:

