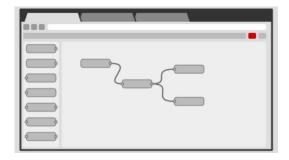
Sprint-3

Team ID	PNT2022TMID11539
Project Title	Gas Leakage Monitoring And Alerting System
Date	15.11.2022

Node-RED

Low-code programming for event-driven applications

Latest version: v3.0.2 (npm)



Browser-based flow editing

Node-RED provides a browser-based flow editor that makes it easy to wire together flows using the wide range of nodes in the palette. Flows can be then deployed to the runtime in a single-click.

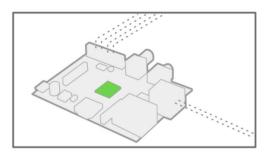
JavaScript functions can be created within the editor using a rich text editor.

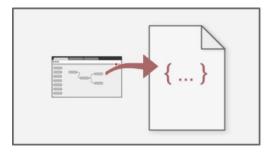
A built-in library allows you to save useful functions, templates or flows for re-use.

Built on Node.js

The light-weight runtime is built on Node.js, taking full advantage of its event-driven, non-blocking model. This makes it ideal to run at the edge of the network on low-cost hardware such as the Raspberry Pi as well as in the cloud.

With over 225,000 modules in Node's package repository, it is easy to extend the range of palette nodes to add new capabilities.



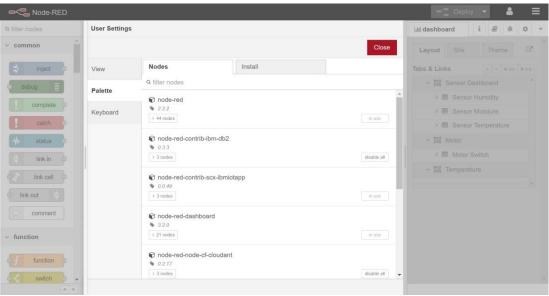


Social Development

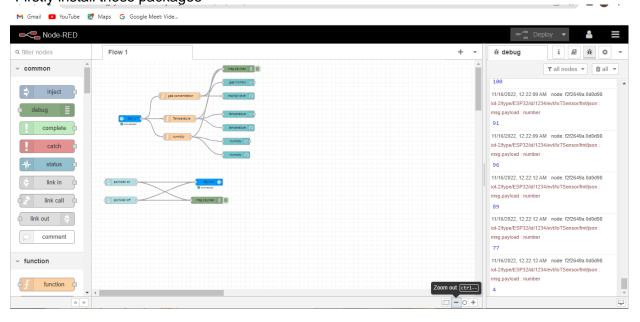
The flows created in Node-RED are stored using JSON which can be easily imported and exported for sharing with others.

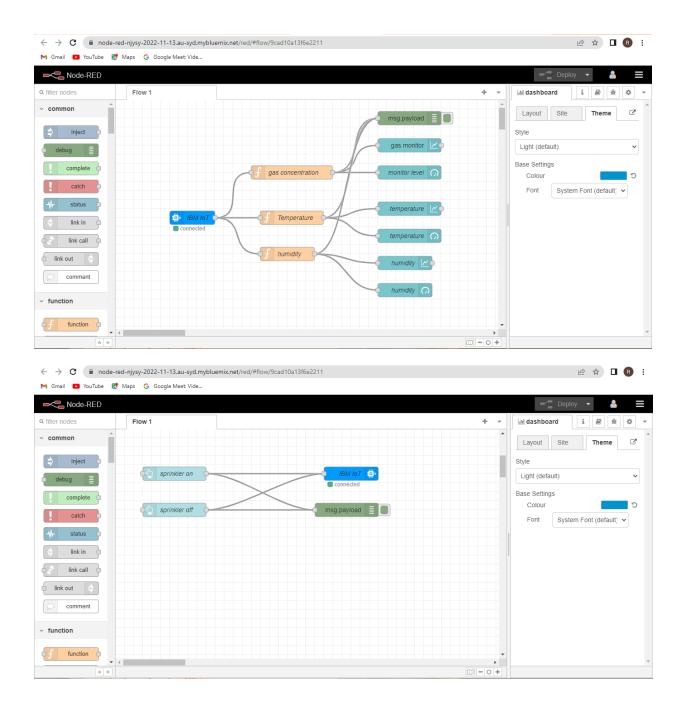
An online flow library allows you to share your best flows with the world. $% \label{eq:control}$

Node flow:

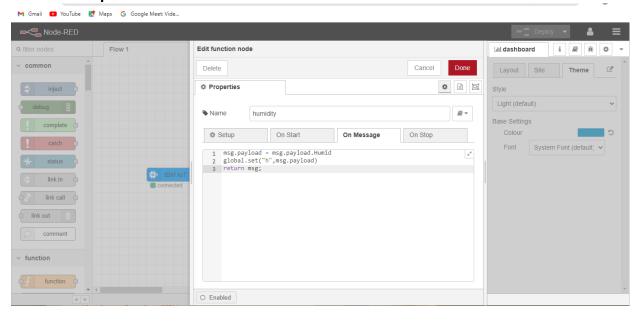


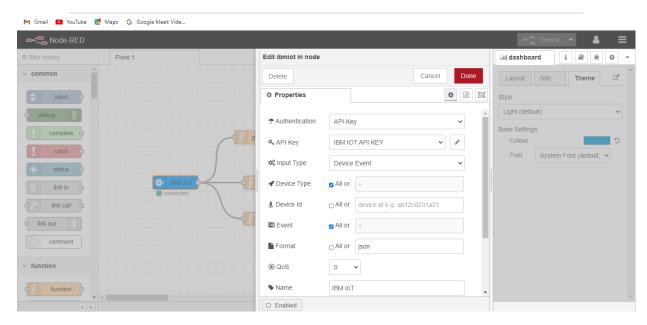
Firstly install these packages

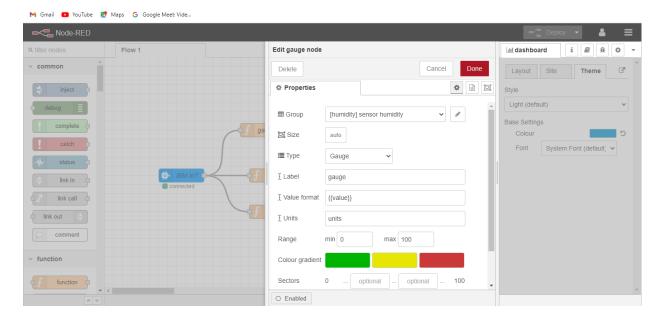


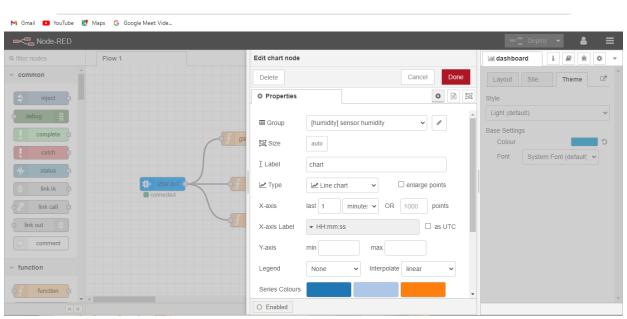


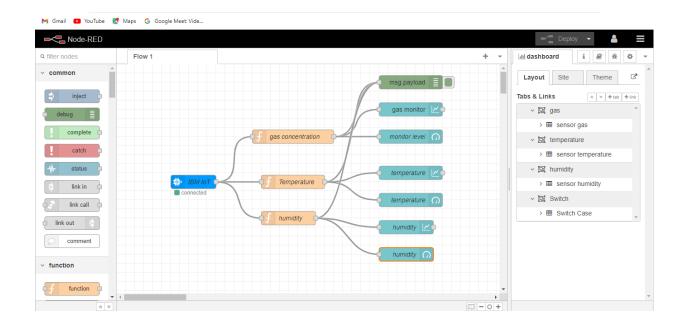
The Interior parts/values/codes of the nodes:

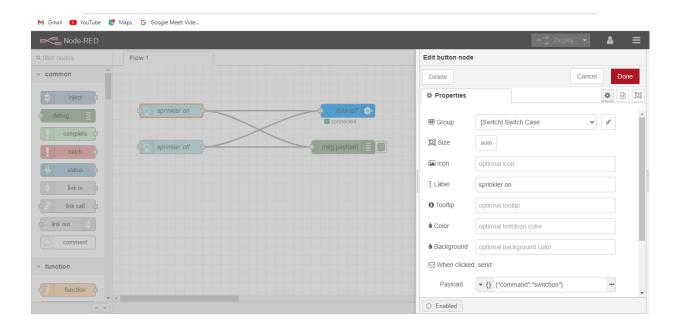






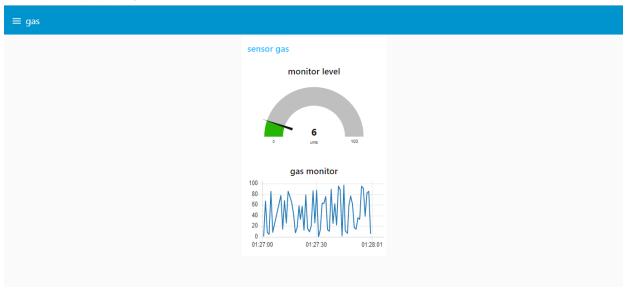


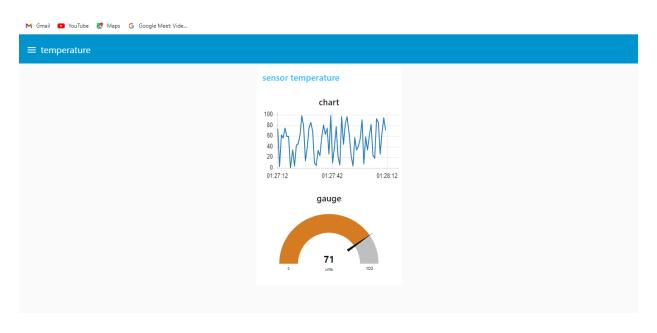




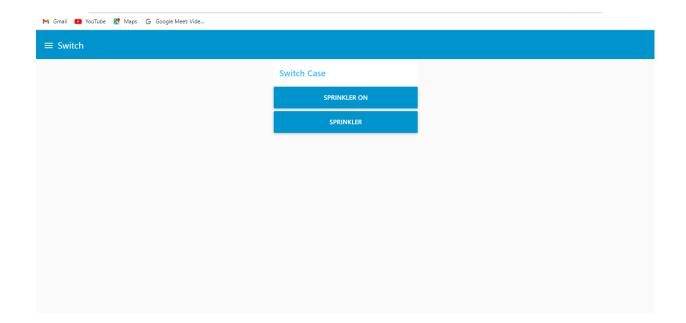
Dashboard created using Node: M Gmail □ YouTube M Maps G Google Meet: Vide...











Testing:

