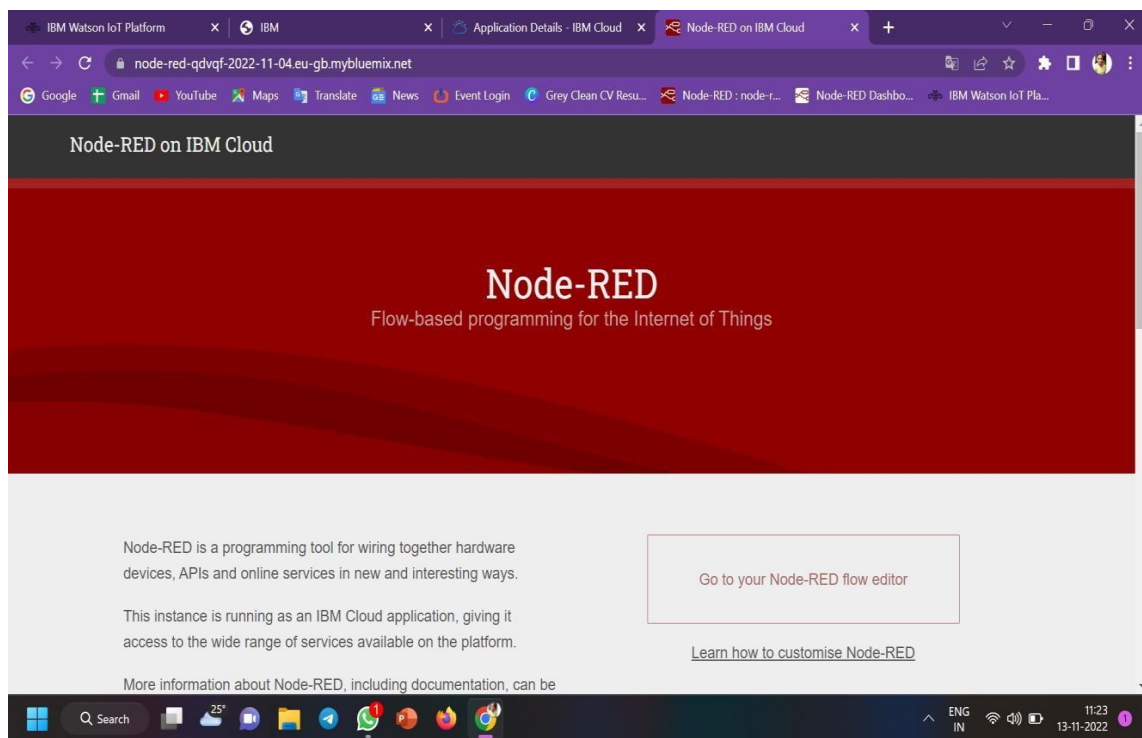


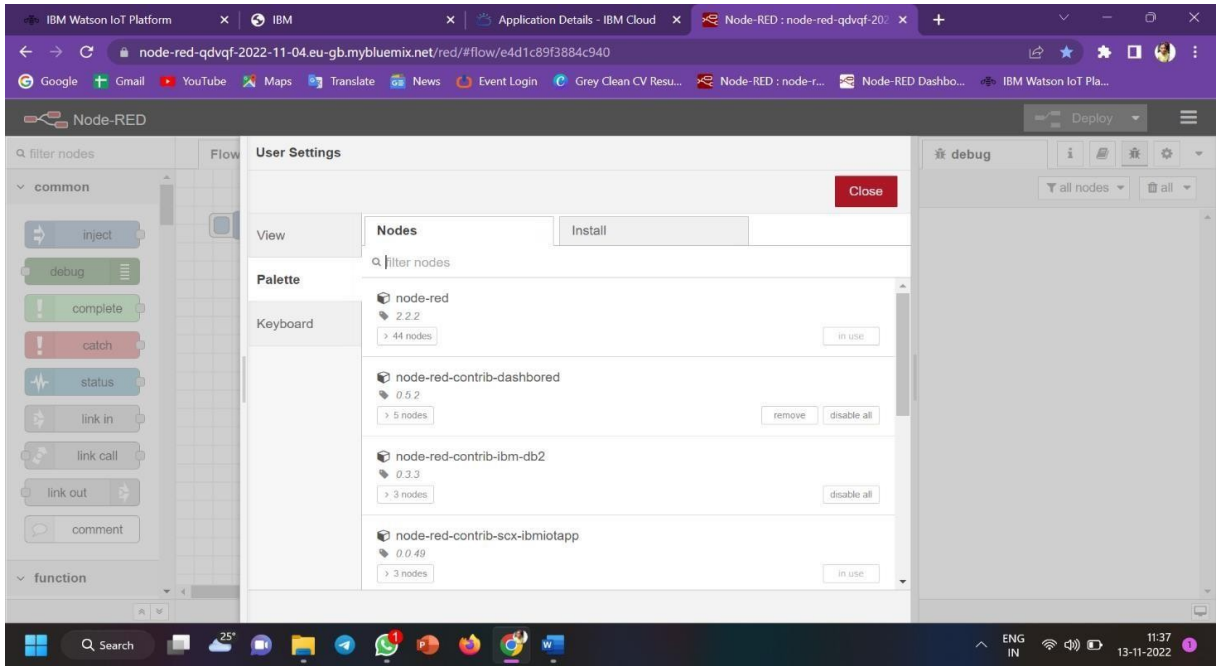
## DEVELOP THE WEB APPLICATION USING NODE-RED

TEAM ID	PNT2022TMID36194
PROJECT TITLE	Gas Leakage Monitoring and Alerting System

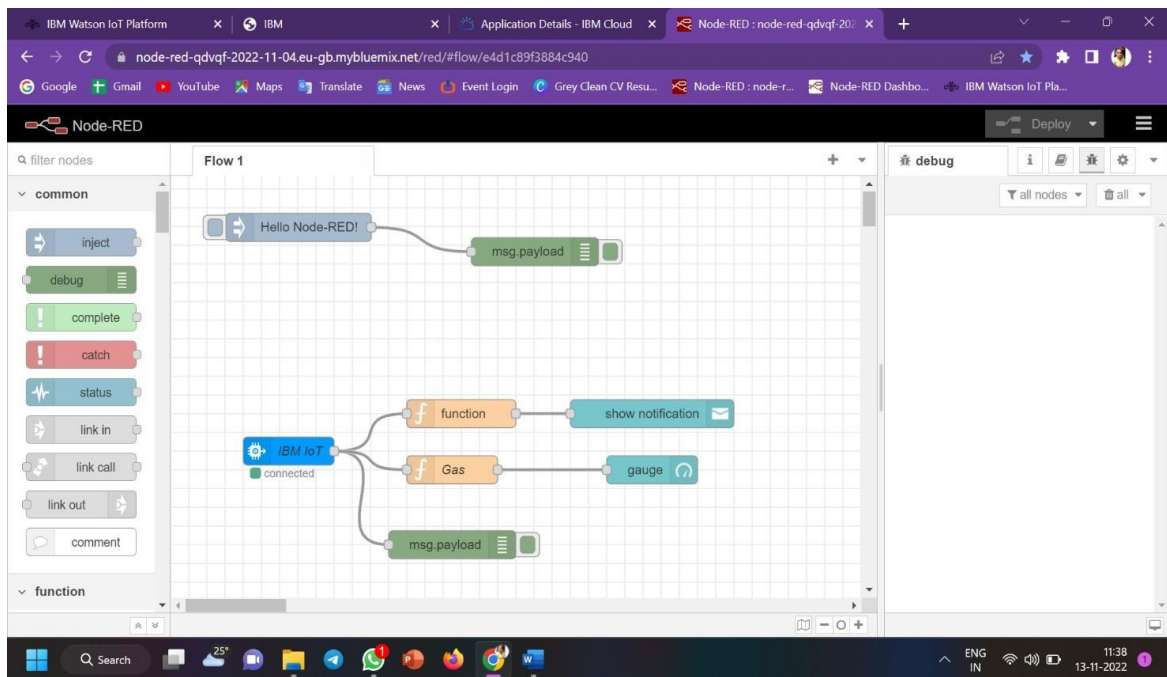
- ❖ Click on your Node-Red flow editor where you will be redirected to the Node-Red flow editor



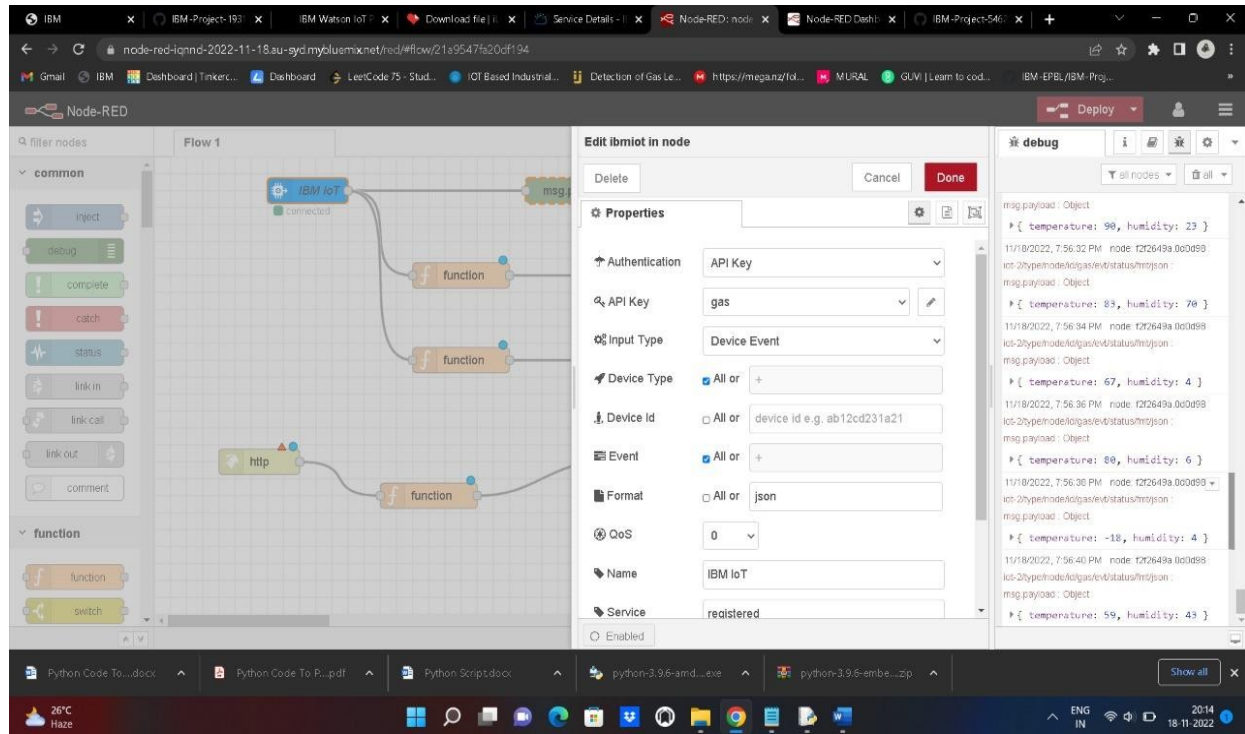
- ❖ Install the Nodes from the Manage Palette.



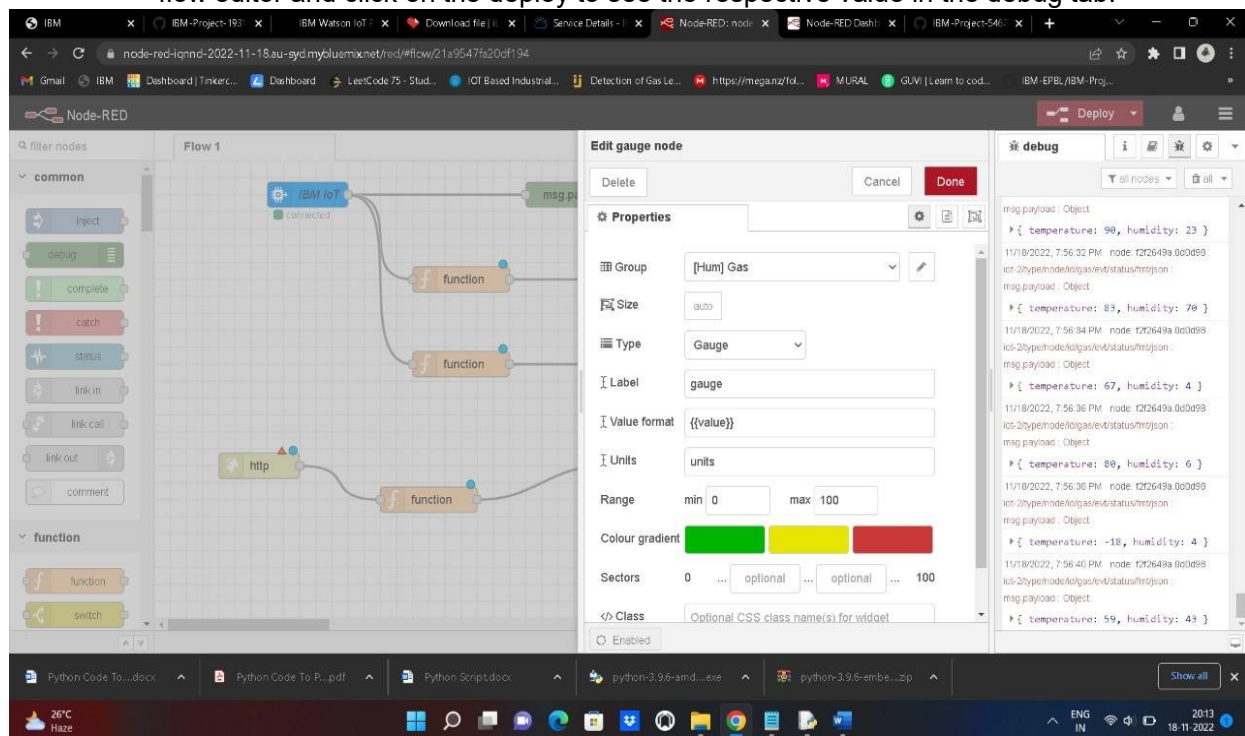
- ❖ Drag and place the function Node Gauge Node in the Flow editor and give the connection respectively.



- ❖ To generate API Key go to IBM IoT Platform , In Apps section ->Click on generate API key.



- ❖ Click on the Deploy option to check the connection status please the debug Node in the flow editor and click on the deploy to see the respective value in the debug tab.



❖ After editing the Nodes deploy it.

The screenshot displays the Node-RED web interface in a browser. The main workspace shows a flow named 'Flow 1' with the following components: an 'IBM IoT' node (blue) connected to a 'msg payload' node (green), which then branches into two parallel paths. Each path consists of a 'function' node (orange) followed by a 'gauge' node (blue). Below this, there is an 'http' node (yellow) connected to another 'function' node (orange), which is then connected to another 'http' node (yellow). The left sidebar shows the 'common' and 'function' node categories. The right sidebar shows the 'debug' console with a log of messages. The messages are JSON objects containing temperature and humidity data, such as: 

```
{ temperature: 98, humidity: 23 }
```

 and 

```
{ temperature: 85, humidity: 76 }
```

. The bottom of the screen shows the Windows taskbar with various application icons and the system clock.

## RESULT:

Thus, the Node-Red Web Application is created successfully.