



SPRINT-3

TEAM ID	PNT2022TMID30647
Project Name	IoT Based smart crop Protection system for agriculture
Maximum mark	20 marks

STEP1: Simulated program to get the random values.

The screenshot displays the Node-RED web interface in a browser. The main workspace shows a flow named 'Flow 1' with the following components:

- A 'Hello Node-RED!' message node connected to a 'msg.payload' node.
- An 'IBM IoT' node (status: connected) connected to a 'function' node.
- The 'function' node is connected to three output nodes: 'Temperature', 'Humidity', and 'Level'.

The left sidebar shows a 'dashboard' with a 'gauge' node. The right sidebar shows the 'info' panel for the selected 'Level' node, displaying its ID '525ecabd0e56d263' and type 'ui_gauge'. The bottom status bar shows the system clock as 08:38 on 19-11-2022.

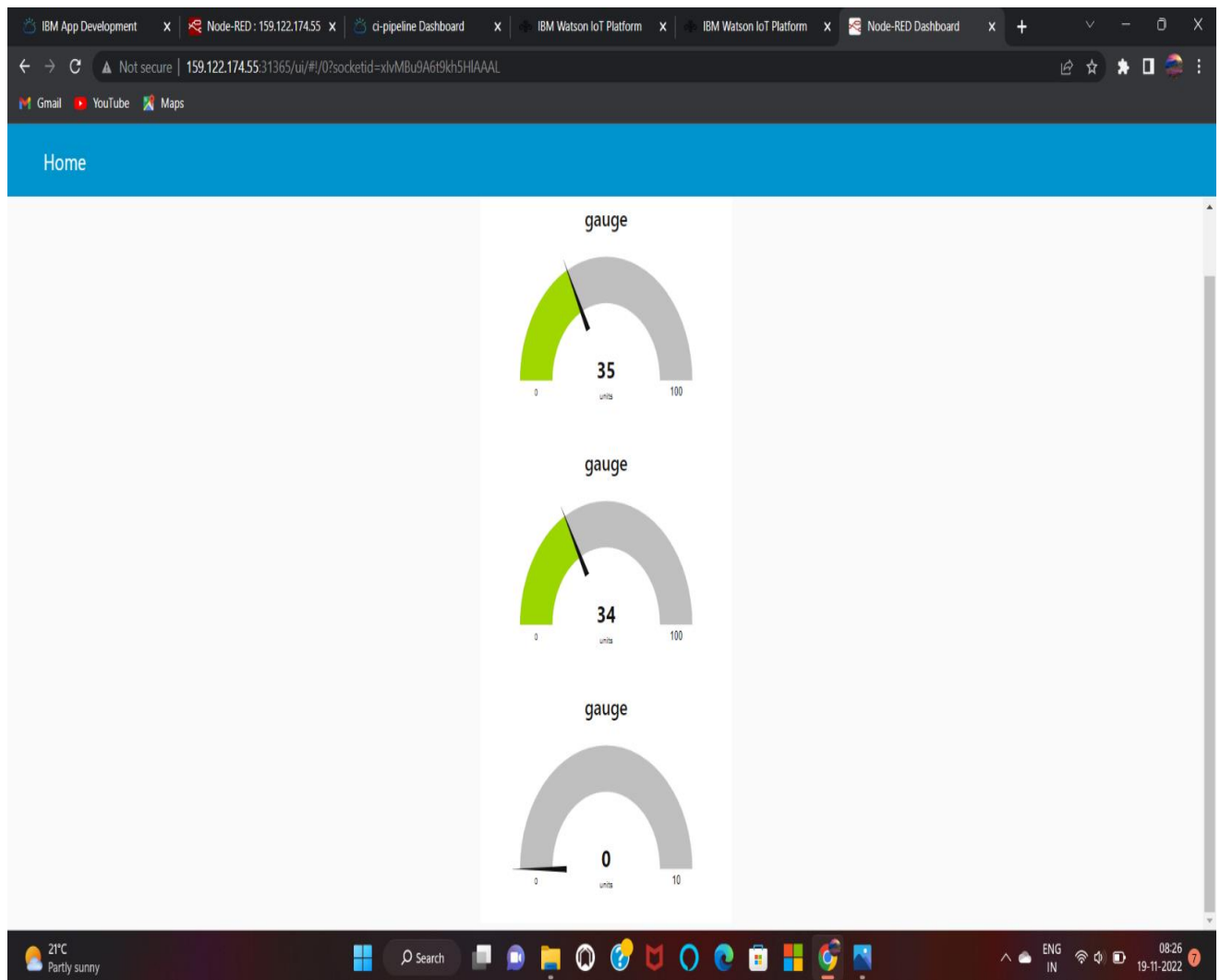
STEP2: Generate debug message from IBM Watson IoT Platform and connect the nodes.

The screenshot displays the Node-RED web interface in a browser. The address bar shows the URL `159.122.174.55:31365/red/#flow/7baf111e645d3f1d`. The interface includes a left sidebar with node categories like 'common' and 'function'. The main workspace shows a flow named 'Flow 1' with the following components:

- An 'inject' node with the text 'Hello Node-RED!' connected to a 'msg.payload' node.
- An 'IBM IoT' node (blue) with a 'connected' status indicator, connected to a 'function' node (orange).
- The 'function' node has three output connections to 'Temperature', 'Humidity', and 'Level' output nodes.

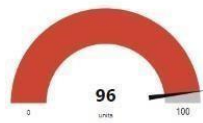
On the right side, the 'debug' console is open, showing 'all nodes' and a 'clear' button. The bottom of the image shows a Windows taskbar with various application icons and a system tray displaying the date and time as 12:37 on 19-11-2022.

STEP3: Generate the web ui output from recent events.



MONITORING

HUMIDITY



TEMPERATURE

