

USED DASHBOARD NODES FOR CREATING UI(Web App)

Team ID	PNT2022TMID21245
Project Name	Project – Industry Specific Intelligent Fire Management System

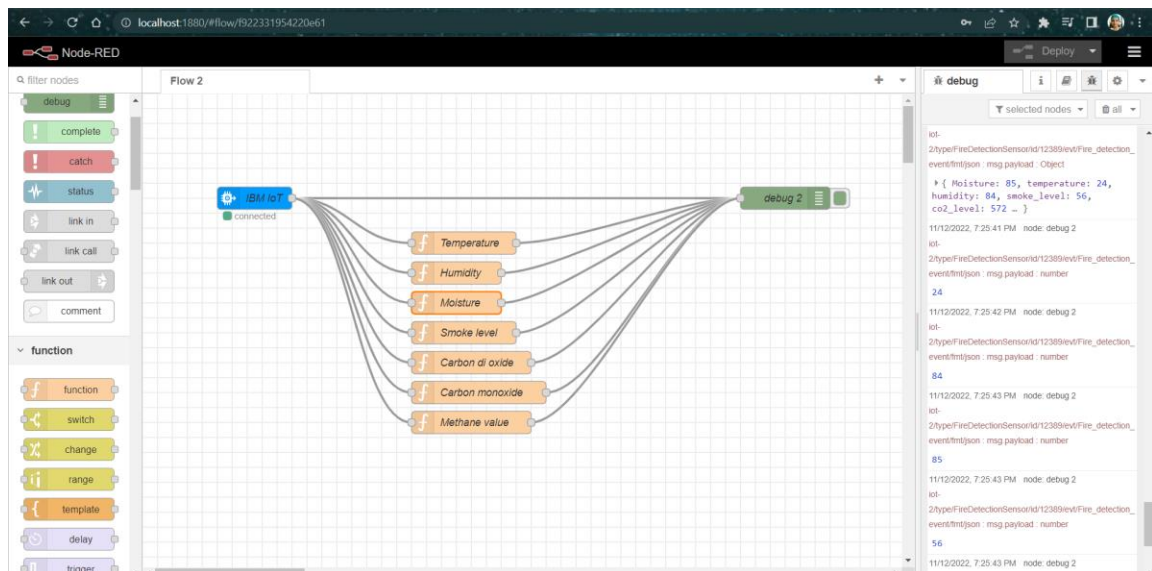
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Team member 3: Madhumitha P.R

1. After inserting the functions for temperature, humidity, moisture, smoke level, carbon di oxide, carbon monoxide and methane value between IBM iot and debug node.
 - a. Then, connect it with chart node for temperature, humidity, moisture node.
 - b. Gauge node with carbon di oxide, carbon monoxide and methane value node.



2. Edit the chart and gauge nodes.

Edit chart node

Delete Cancel Done

Properties

Group [Smart Industry] Area - 1 readings

Size auto

Label Temperature readings

Type Line chart ☐ enlarge points

X-axis last 2 minute OR 1000 points

X-axis Label HH:mm:ss ☐ as UTC

Y-axis min 20 max 90

Legend Show Interpolate linear

Series Colours

Blank label display this text before valid data arrives

Class Optional CSS class name(s) for widget

Name Temperature

Delete

Cancel

Done

Properties

Group

[Smart Industry] Area - 1 readings

Size

auto

Label

Humidity readings

Type

Line chart

☐ enlarge points

X-axis

last 2 minute OR 1000 points

X-axis Label

HH:mm:ss

☐ as UTC

Y-axis

min

max

Legend

None

Interpolate

linear

Series Colours

Blank label

display this text before valid data arrives

Class

Optional CSS class name(s) for widget

Name

Humidity

Delete

Cancel

Done

Properties

Group

[Smart Industry] Area-2 readings

Size

auto

Type

Gauge

Label

Carbon di oxide readings

Value format

{{value}}

Units

units

Range

min 0 max 1500

Colour gradient

Sectors

0

optional

optional

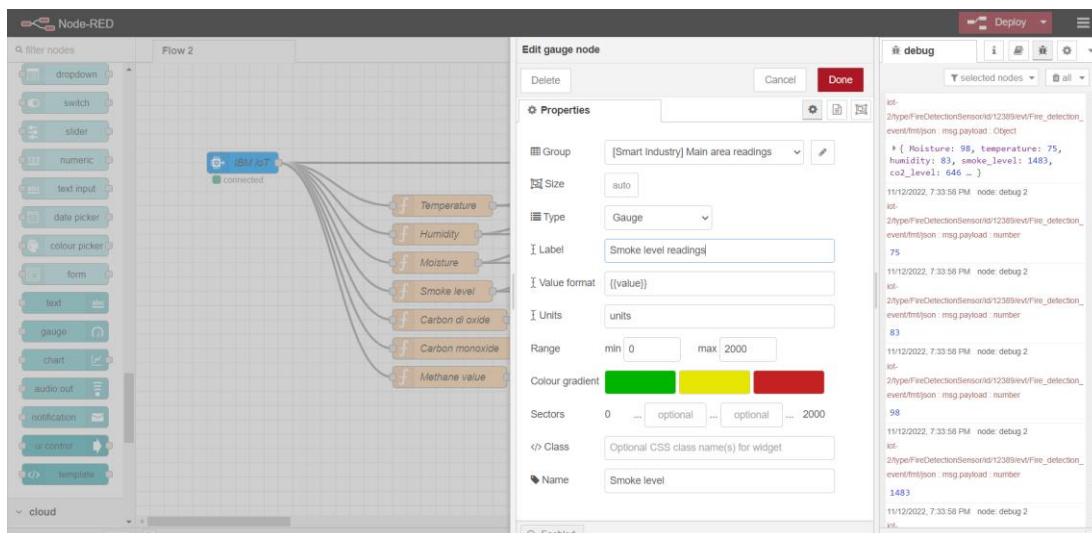
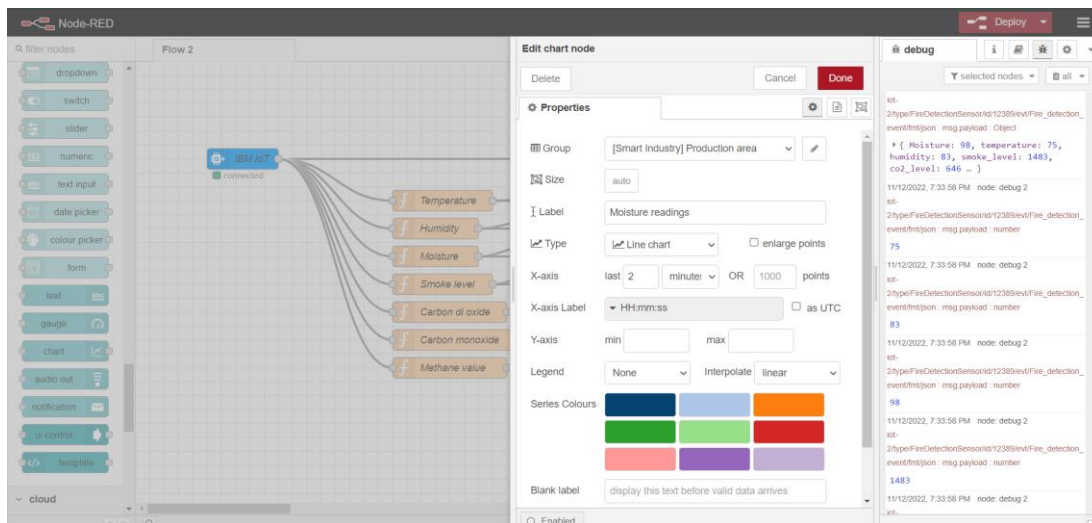
1500

Class

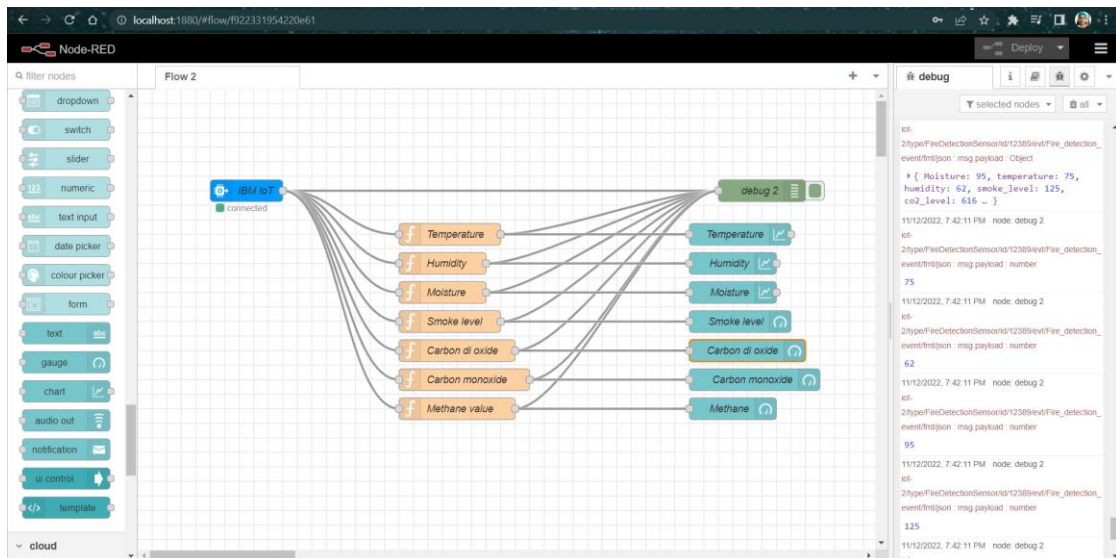
Optional CSS class name(s) for widget

Name

Carbon di oxide

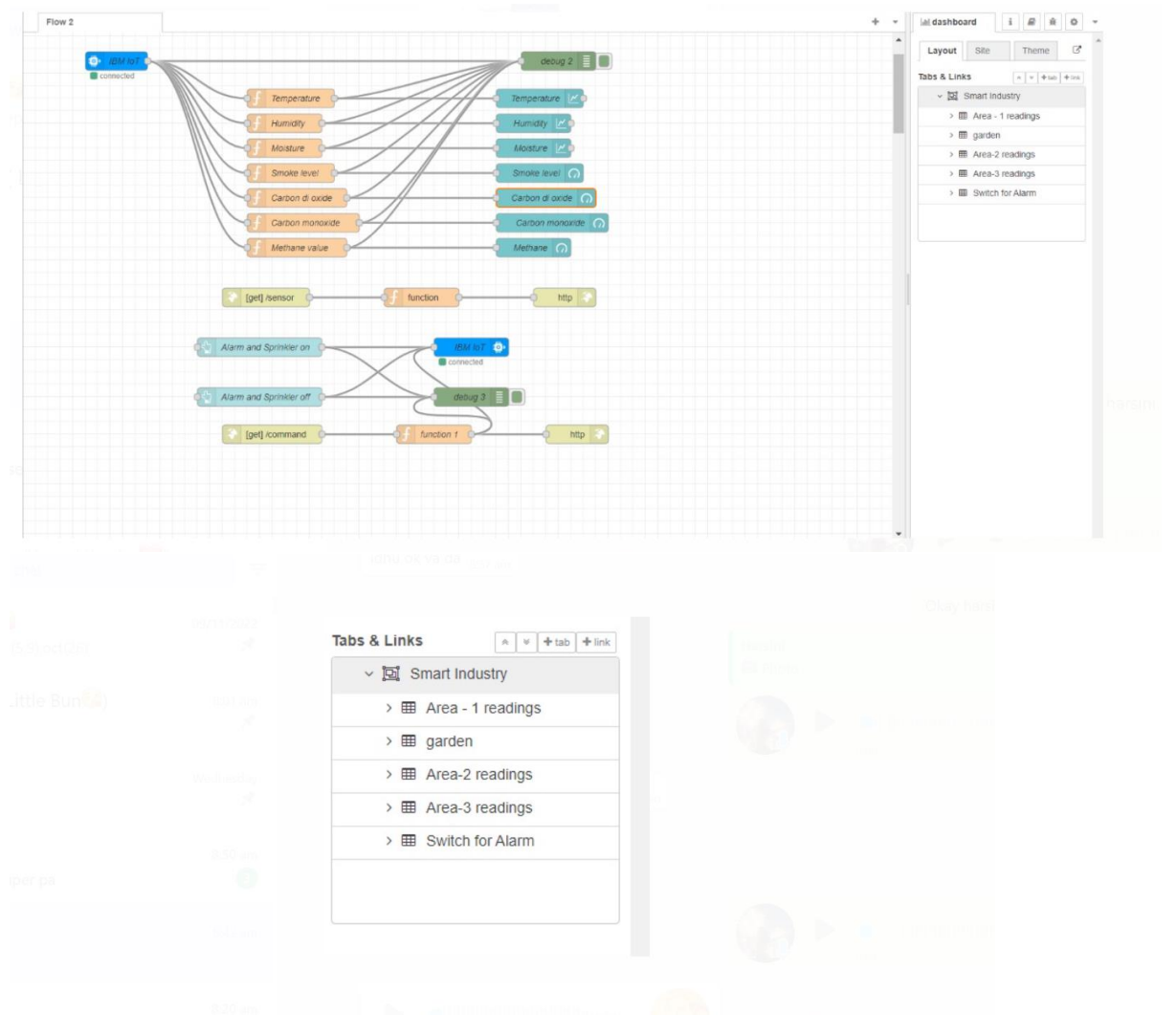


3. The flow between nodes after connecting the functions with debug and charts and gauge.
Click on deploy button.



4. The data generated in the cloud will be displayed in the node-red.

This screenshot shows the configuration window for a 'FireDetectionSensor' device. The 'Events' tab is active, showing a single event type named 'Fire_detection_event'. The 'Schedule' is configured as '1' event occurring 'Every Minute'. The 'Payload' section contains a JSON object with random values for various sensors: { "Moisture": random(0, 100), "temperature": random(20, 80), "humidity": random(60, 100), "smoke_level": random(0, 100), "co2_level": random(0, 100), "co_level": random(0, 100), "methane": random(0, 100) }. Buttons for 'Send', 'Cancel', and 'Save' are visible at the bottom.



5. The created UI

