

SPRINT-4

Web UI

Date	19 November 2022
Team ID	PNT2022TMID16791
Project Name	Hazardous Area Monitoring for Industrial Power Plant powered by IOT

PROCEDURE:

Step1: Develop the node red web applications for hazardous area monitoring.

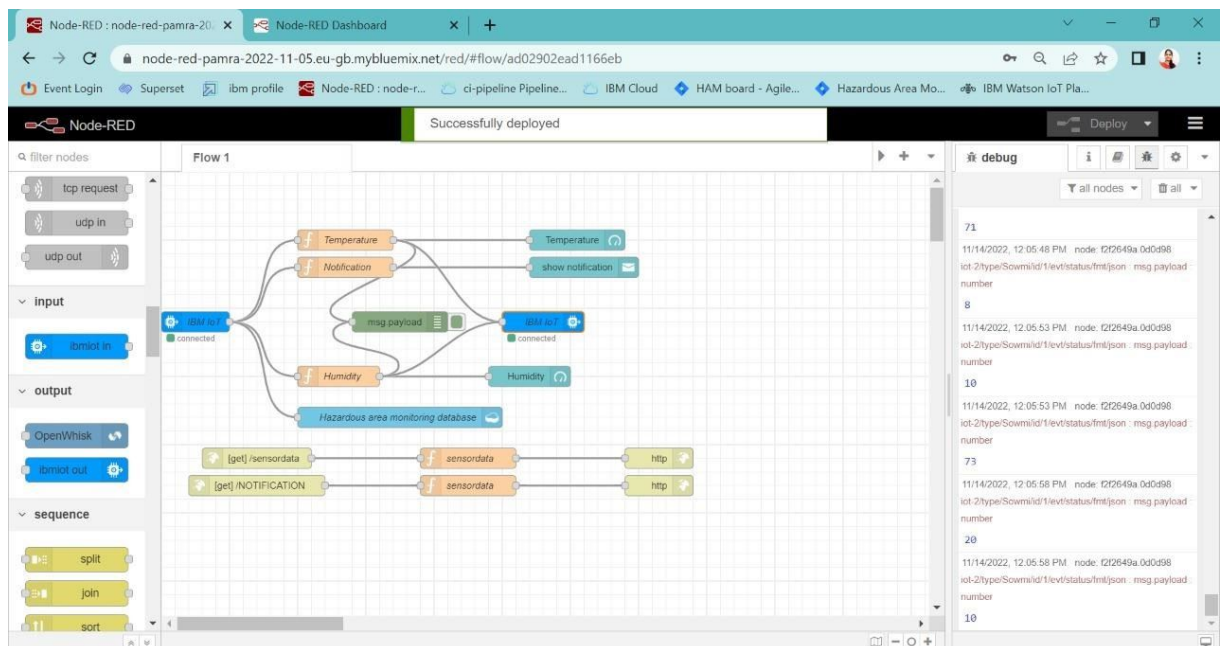
Step2: copy the Node red link.

Step3: Add UI to the same link and browse it.

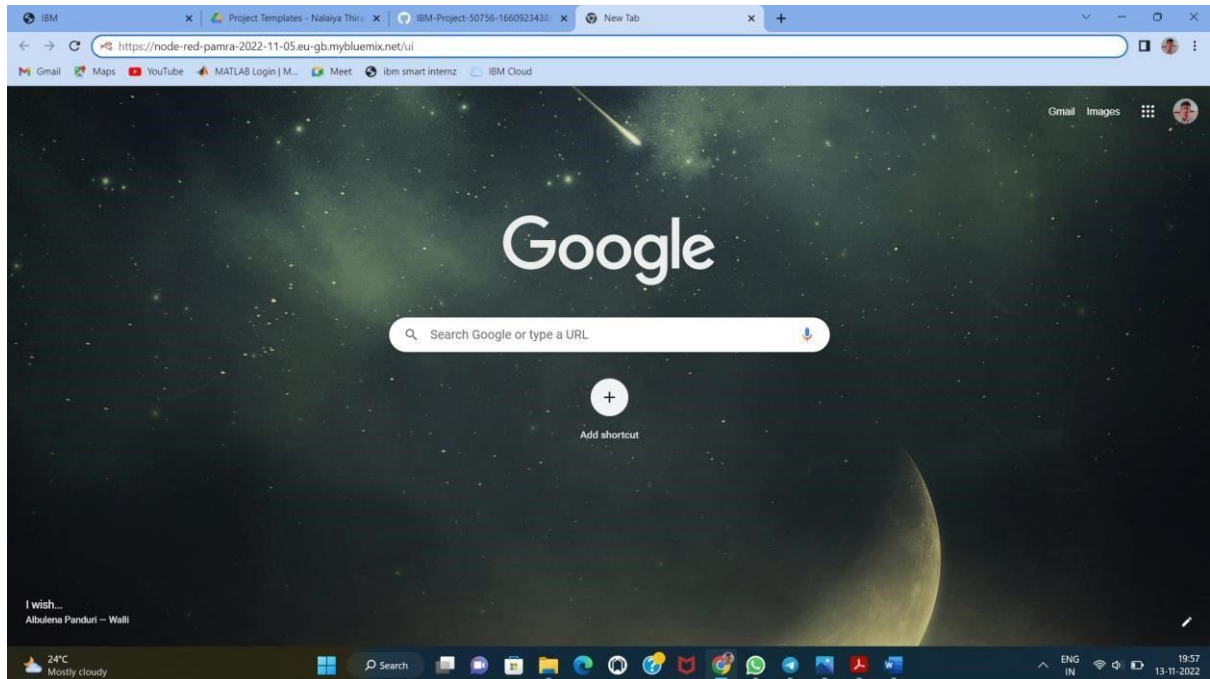
Step4: Web show the temperature and humidity level.

Step5: It also shows the notification if the temperature and humidity level is above normal range.

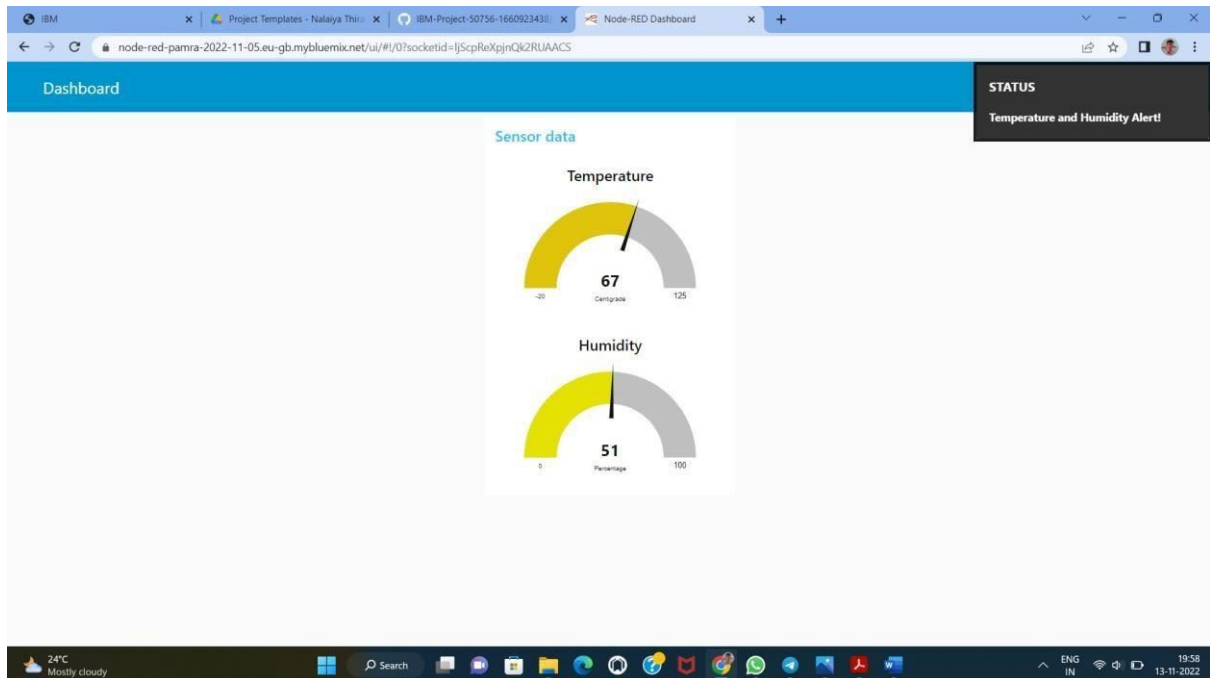
NODE RED FLOW:

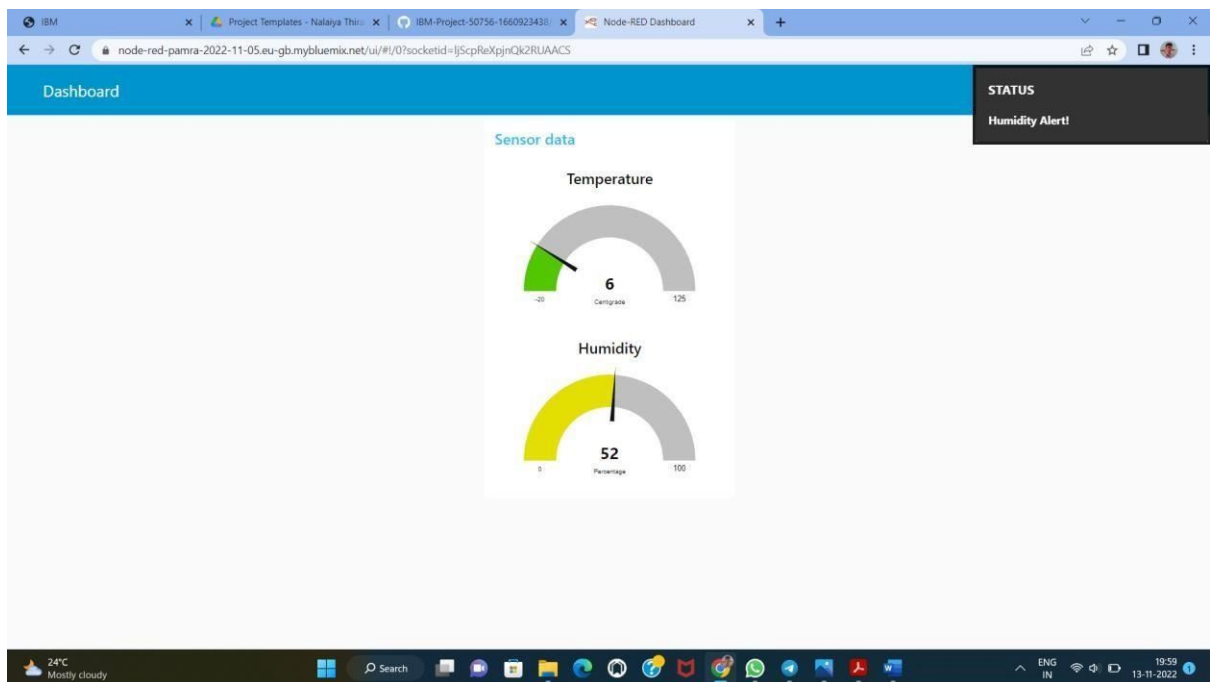
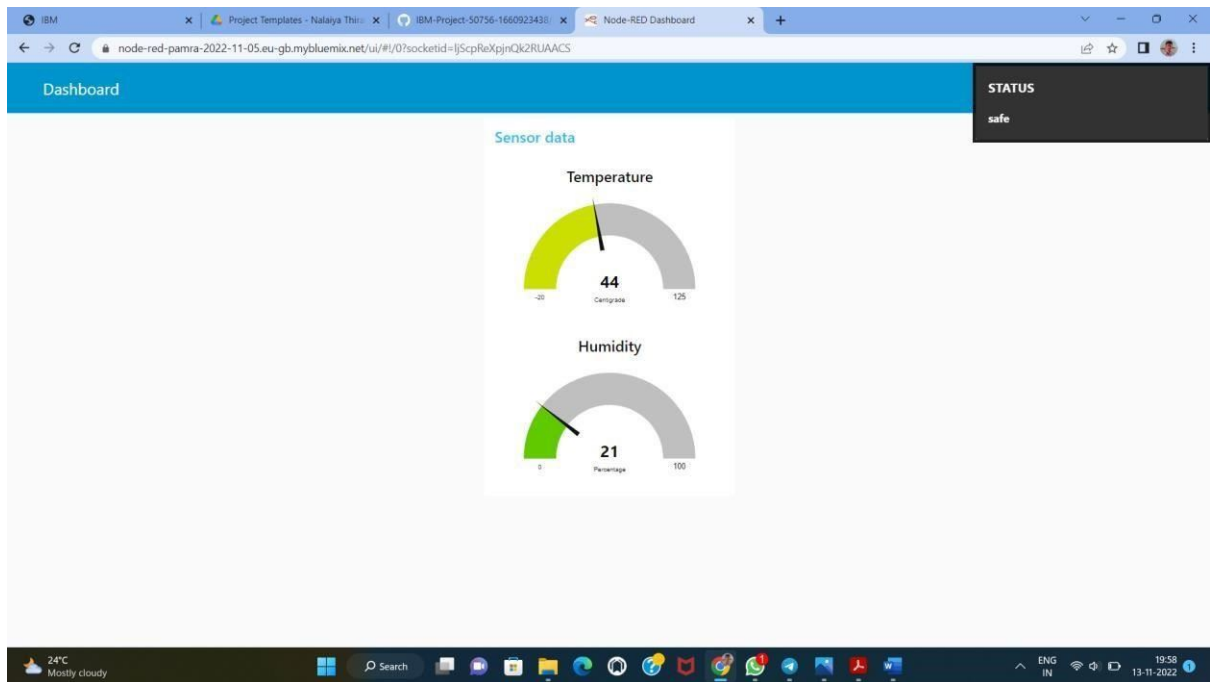


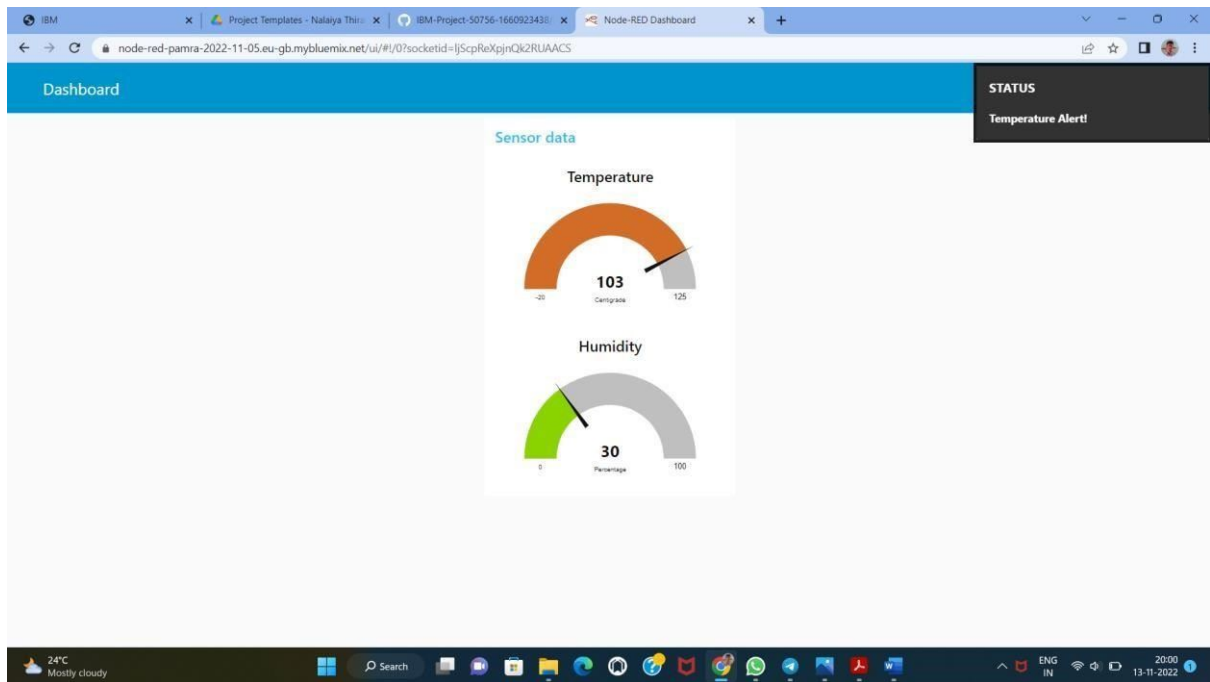
BROWSING WEB APP THROUGH LINK:



NODE RED WEB APPLICATION:







WEB APPLICATION LINK:

<https://node-red-pamra-2022-11-05.eu-gb.mybluemix.net/ui>

EVENT PAYLOAD:

The screenshot shows the IBM Watson IoT Platform interface. A modal window titled "Event Payload" is open, displaying the following information:

- Event Name: status
- Time Received: Nov 14, 2022 10:58 AM
- Event Payload (JSON):

```
{  "temperature": 61,  "humidity": 55}
```

The background interface shows a list of events with columns for "Event", "Device Event", and "status". The "status" column contains the value "Device Event". The "Add Device" button is visible in the top right corner.

CLOUDANT DATABASE:

Document ID

Options

{ } JSON

Document saved successfully.

	id	key	value
<input type="checkbox"/>	001d7fe36261c2482ef822f153...	001d7fe36261c2482ef822f153...	{ "rev": "4-b370a80e302e3fc01...
<input type="checkbox"/>	0032f4b7f05a60e1809760424...	0032f4b7f05a60e1809760424...	{ "rev": "2-5fcc0a5ff606967aed...
<input type="checkbox"/>	0099656c4f4f3794bb2298f7d1...	0099656c4f4f3794bb2298f7d1...	{ "rev": "2-019b9dfceb2e5b086...
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Showing document 1 - 20. Documents per page: 20

DATA STORED IN CLOUDANT DB:

Save Changes Cancel

Upload Attachment Clone Document Delete

```
{
  "_id": "001d7fe36261c2482ef822f153e3a81d",
  "_rev": "4-b370a80e302e3fc017545b4a487b4b2d",
  "topic": "iot-2/type/Sowmi/id/1/evt/status/fmt/json",
  "payload": {
    "temperature": 89,
    "humidity": 14
  },
  "deviceId": "1",
  "deviceType": "Sowmi",
  "eventType": "status",
  "format": "json"
}
```