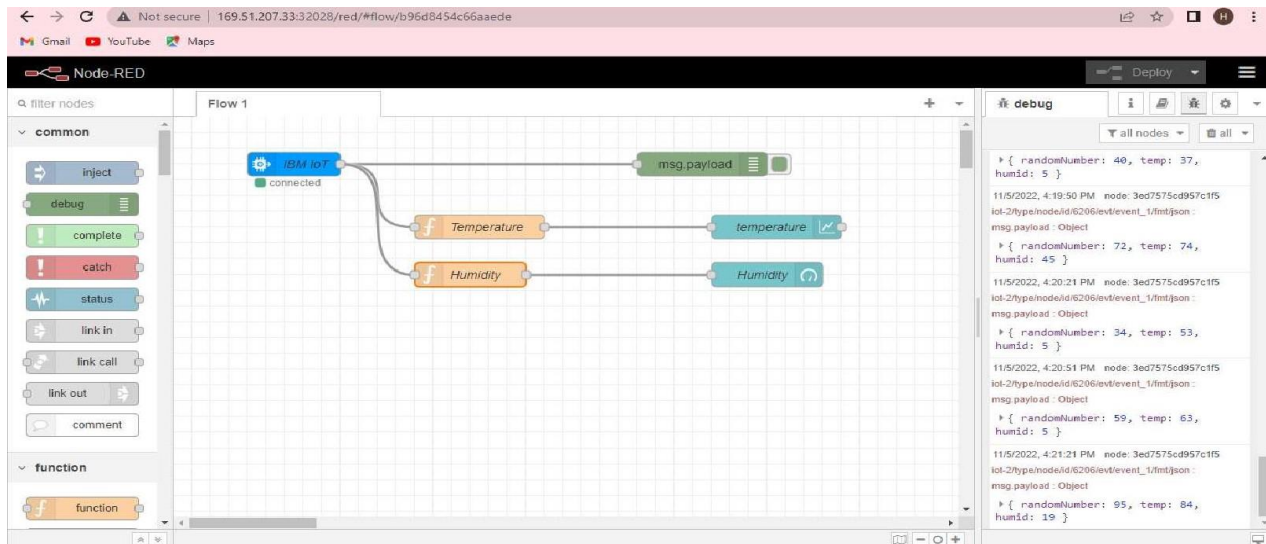


## SPRINT-3

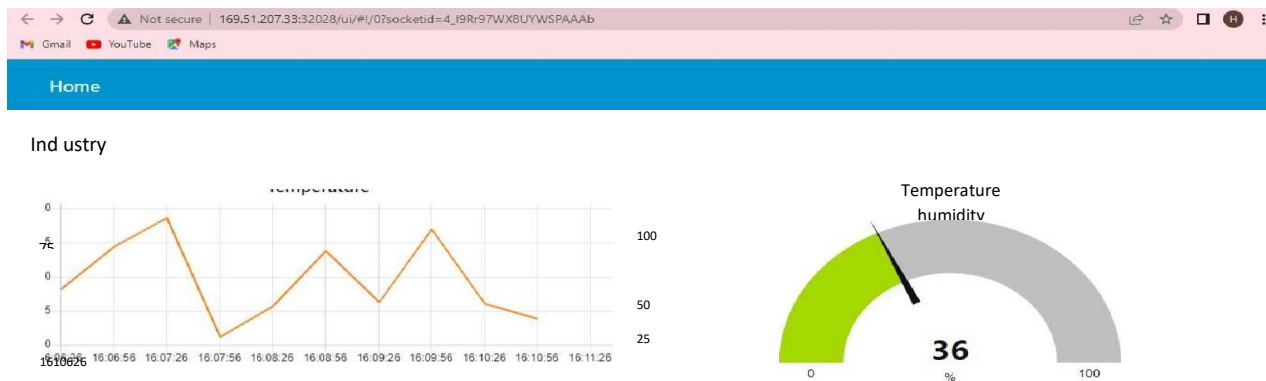
### Develop A Web Application Using Node-RED Service

Date	10 November 2022
Team ID	PNT2022TMID21185
Project Name	HAZARDOUS AREA MONITORING FOR INDUSTRIAL PLANT POWERED BY IOT

### Create Node-RED Flow To Get Data From Device



### Use Dashboard Nodes For Creating Web UI



The screenshot shows the Node-RED web interface in a browser. The address bar indicates the URL: `169.51.207.33:3028/red/#flow/b96d8454c66aaede`. The interface includes a top navigation bar with icons for Gmail, YouTube, and Maps. The main workspace is divided into two panels: "Flow 1" and "Flow 2". The "Flow 1" panel displays a flow diagram with several nodes: an "inject" node, a "debug" node, a "complete" node, a "catch" node, a "status" node, a "link in" node, a "link call" node, a "link out" node, and a "comment" node. The "Flow 2" panel displays a flow diagram with several nodes: a "msg.payload" node, a "Temperature" node, a "Humidity" node, a "[get] data" node, a "web page" node, a "http" node, a "LIGHT ON" node, a "LIGHT OFF" node, a "[get] status" node, a "msg.payload" node, a "[get] command" node, a "command" node, and a "http" node. The "debug" panel on the right shows a list of messages with timestamps and node IDs. The messages are as follows:

```

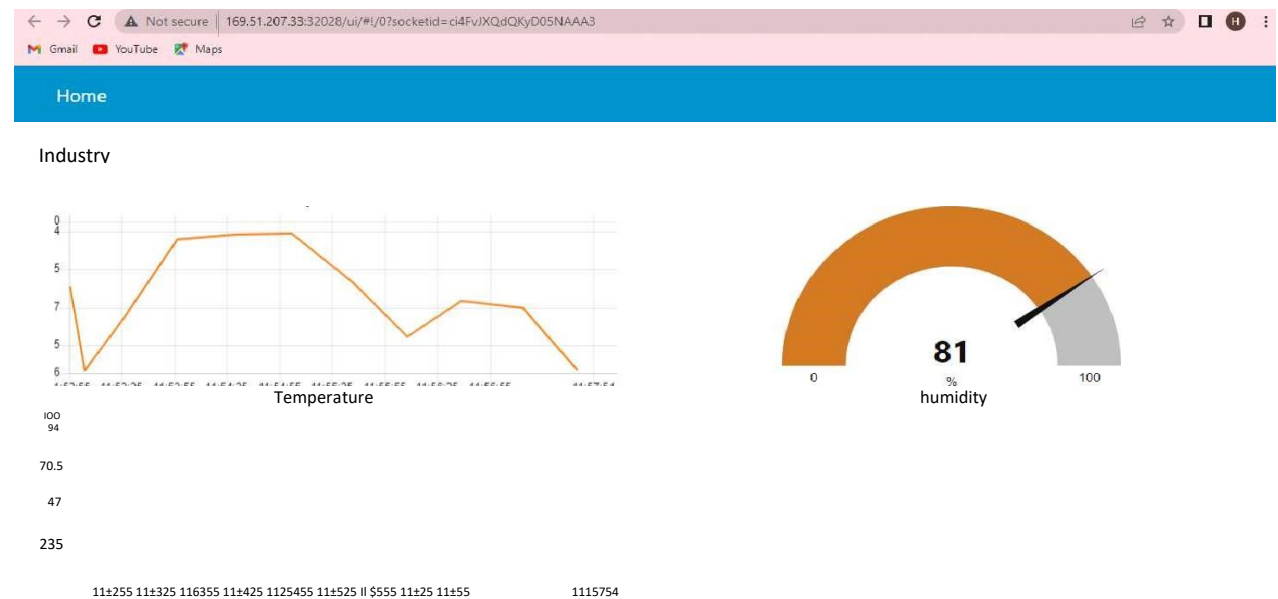
11/12/2022, 11:57:53 AM node:3ed7575cd957c1f5
iol-2?type=nodeId/6206/level/1_t1mf/json :
msg.payload : Object
  {
    randomNumber: 70, temp: 29,
    humid: 68
  }

11/12/2022, 11:58:47 AM node:3ed7575cd957c1f5
iol-2?type=nodeId/6206/level/1_t1mf/json :
msg.payload : Object
  {
    randomNumber: 6, temp: 51, humid:
    93
  }

11/12/2022, 11:57:21 AM node:3ed7575cd957c1f5
iol-2?type=nodeId/6206/level/1_t1mf/json :
msg.payload : Object
  {
    randomNumber: 71, temp: 47,
    humid: 46
  }

11/12/2022, 11:57:53 AM node:3ed7575cd957c1f5
iol-2?type=nodeId/6206/level/1_t1mf/json :
msg.payload : Object
  {
    randomNumber: 27, temp: 8, humid:
    81
  }

```



LIGHT ON

LIGHT OFF

← → ↻ ⚠ Not secure | 169.51.207.33:32028/data

Gmail YouTube Maps

{ "temperature": 8, "humidity": 81 }

← → ↻ ⚠ Not secure | 169.51.207.33:32028/command?command=lighton

Gmail YouTube Maps

lighton

lightoff

← → ↻ meca8l.internetofthings.ibmcloud.com/dashboard/devices/browse

Gmail YouTube Maps

**IBM Watson IoT Platform** 813819106031@smartinternz.com ID: meca8l

Browse Action Device Types Interfaces Add Device +

Event	Value	Format	Last Received
event_1	{"randomNumber":27,"temp":8,"humid":81}	json	a few seconds ago
event_1	{"randomNumber":71,"temp":47,"humid":46}	json	a few seconds ago
event_1	{"randomNumber":6,"temp":51,"humid":93}	json	a minute ago
event_1	{"randomNumber":70,"temp":29,"humid":68}	json	2 minutes ago
event_1	{"randomNumber":59,"temp":62,"humid":45}	json	2 minutes ago

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1 Simulation running