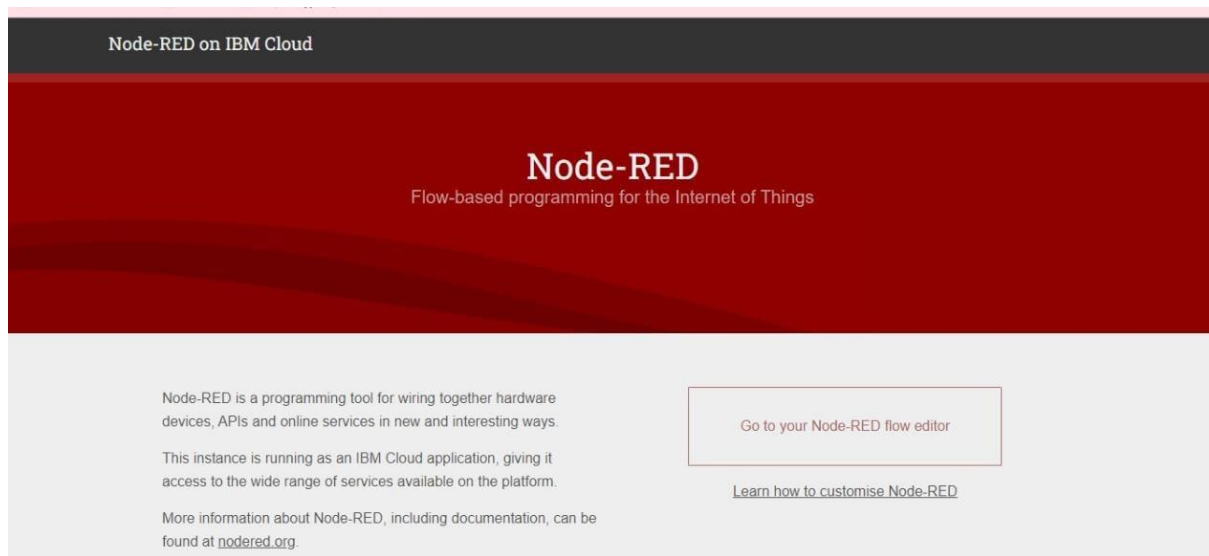


DEVELOP THE WEB APPLICATION USING NODE RED

Date	16 November 2022
Team ID	PNT2022TMID13542
Project name	Hazardous area monitoring for industrial power plants by IoT
Maximum marks	2 marks

NODE-RED

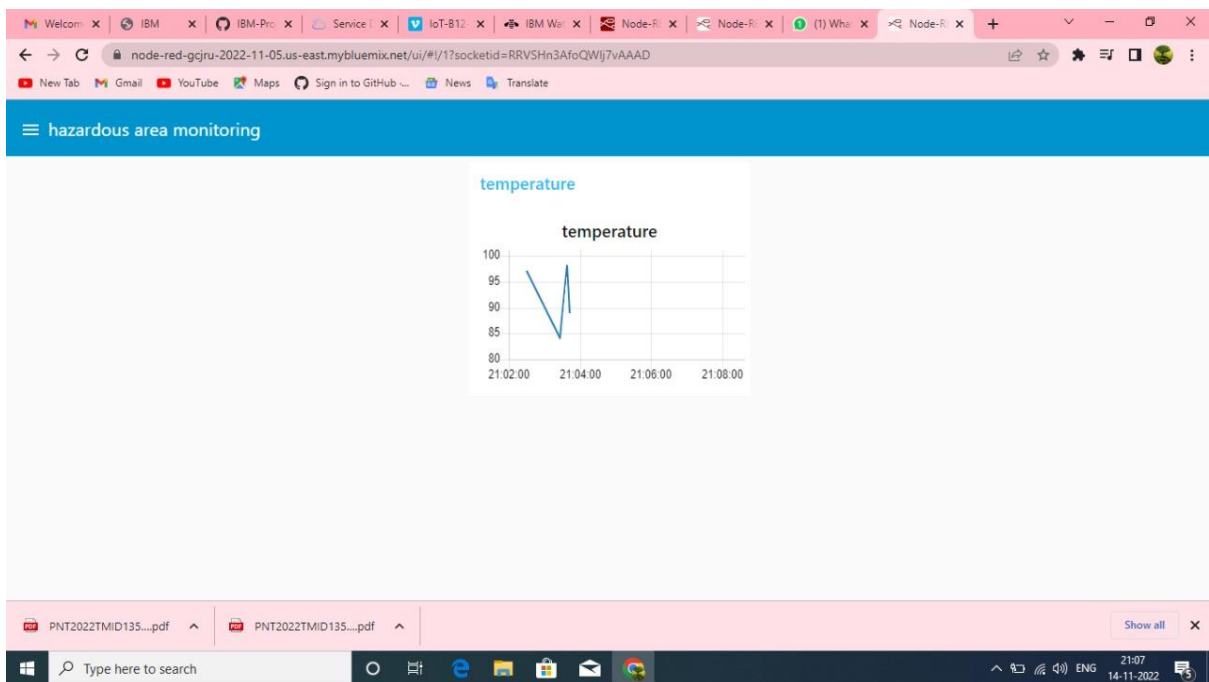


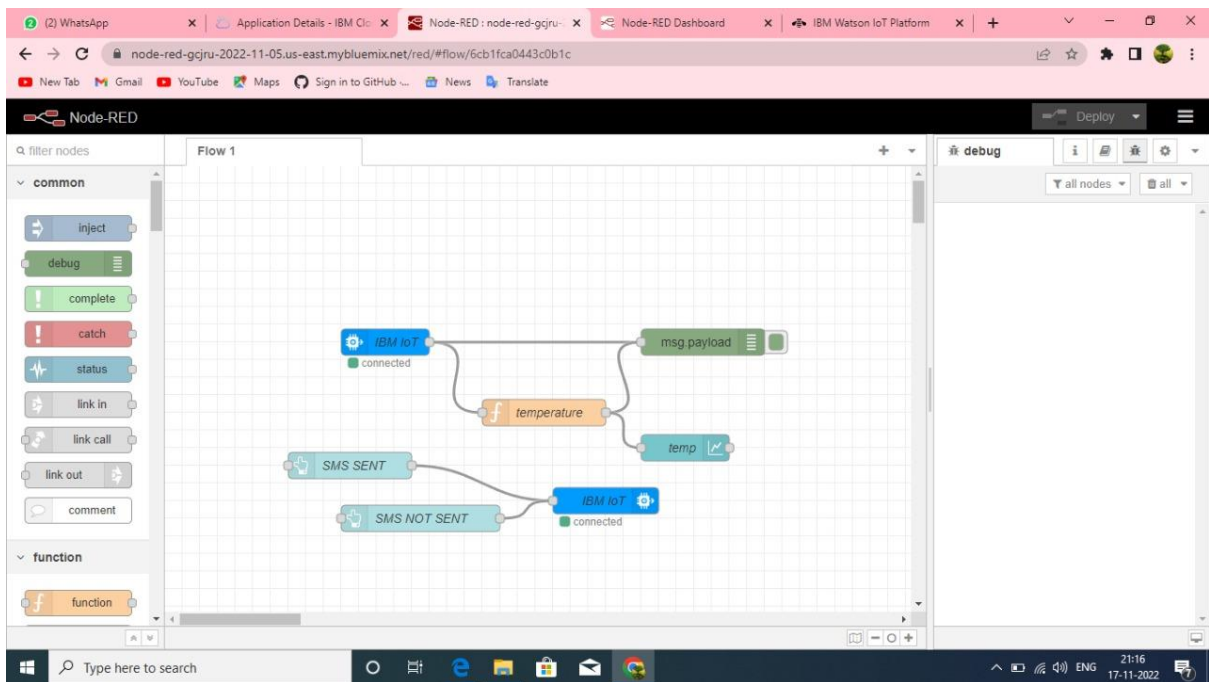
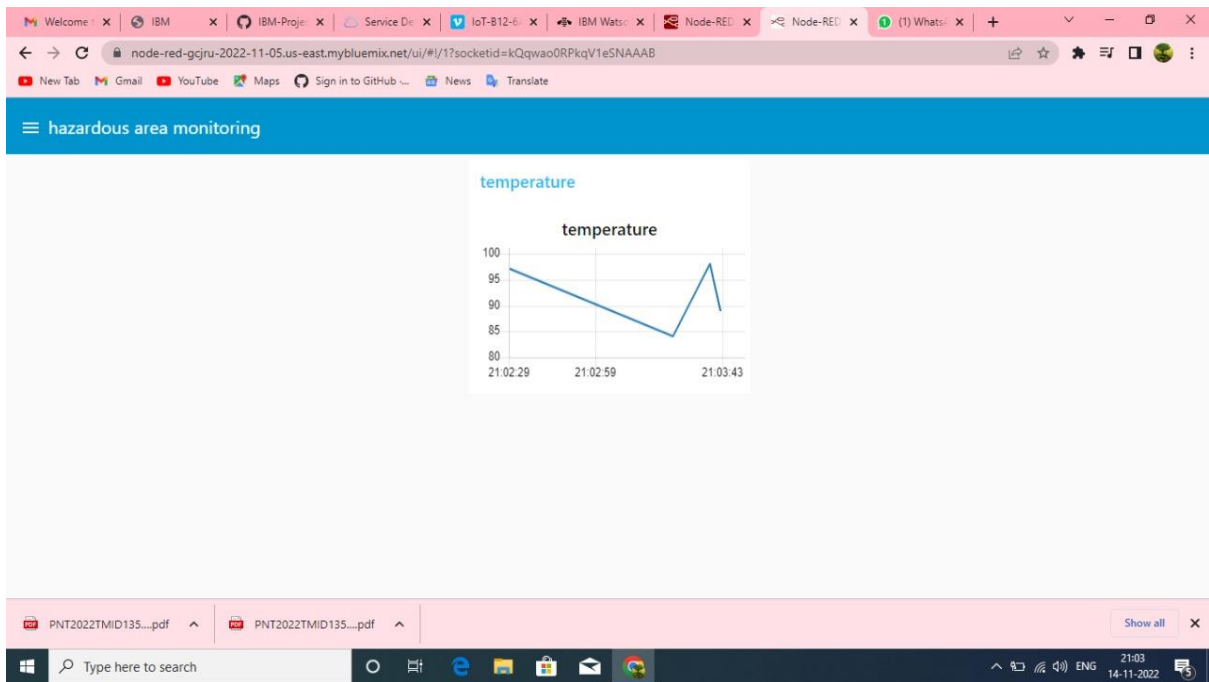
Procedure for the creation of NODE -RED

Node-RED interface showing a flow named "Flow 1". The flow consists of an "IBM IoT" node (connected), a "temperature" function node, and a "msg payload" node. The "debug" console on the right displays the following log entries:

```
msg.payload: Object
  { temperature: 96 }
11/14/2022 8:24:09 PM node: 12622ba8d7954e0
iot-2/type/NodemcuId/123/evt/eventflow/fmt/json :
msg.payload: Object
  { temperature: 99 }
11/14/2022 8:24:37 PM node: 12622ba8d7954e0
iot-2/type/NodemcuId/123/evt/eventflow/fmt/json :
msg.payload: Object
  { temperature: 92 }
11/14/2022 8:33:50 PM node: 12622ba8d7954e0
iot-2/type/NodemcuId/123/evt/eventflow/fmt/json :
msg.payload: Object
  { temperature: 95 }
11/14/2022 8:33:50 PM node: 12622ba8d7954e0
iot-2/type/NodemcuId/123/evt/eventflow/fmt/json :
msg.payload: number
95
```

The browser address bar shows the URL: `node-red-gcjr-2022-11-05-east.mybluemix.net/red/#flow/6cb1fca0443c0b1c`. The taskbar at the bottom shows the Windows search bar and various application icons.





The screenshot displays a web browser window with multiple tabs. The active tab is 'Node-RED: node-red-gcjr-...', showing a Node-RED dashboard. The browser's address bar contains the URL: `node-red-gcjr-2022-11-05-us-east.mybluemix.net/ui/#/1?socketid=nFXU2Bsg-tMuO0-8AAAJ`. Below the browser window, a blue header bar reads 'hazardous area monitoring'. The main content area features a temperature monitoring interface. On the left, a graph titled 'temperature' has a y-axis labeled 'temperature' with values 74, 74.5, 75, 75.5, and 76. The x-axis is labeled with time intervals: 00:00:00, 00:00:00, and 00:00:00. To the right of the graph are two blue buttons: 'SMS SENT' and 'SMS NOT SENT'.