

DEVELOP A WEB APPLICATION USING NODE-RED SERVICE

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Date	06 November 2022
Team ID	PNT2022TMID07157
Project Name	Industry-specific intelligent fire management system
Maximum Marks	8 Marks

To Develop the web application using Node RED

Steps :

1. Open a Node-RED project

The screenshot displays a Node-RED web application running in a browser. The interface includes a left sidebar with node categories (common, function), a central workspace with a flow diagram, and a right sidebar with a debug console. The flow diagram shows two main sections: a top section for humidity and temperature monitoring, and a bottom section for light control. The top section starts with an 'inject' node connected to a 'msg.payload' node, which then branches into 'Humid' and 'temp' nodes. These nodes are connected to 'msg.payload' nodes, which are then connected to 'HUMIDITY' and 'TEMPERATURE' output nodes. The bottom section starts with a 'LIGHT ON' and 'LIGHT OFF' node connected to a 'msg.payload' node, which is then connected to a 'command' node. The 'command' node is connected to an 'http' node. The debug console on the right shows a list of messages with timestamps and payloads, including 'lighton', 'lightoff', and 'lighton'.

2. TO Get data from cloud

The screenshot shows a web browser window with the address bar displaying `node-red-cmsth-2022-11-11.au-syd.mybluemix.net/data`. The browser's tab bar includes several open tabs: IBM W, Node- (selected), IBM C, Whats, IBM-P, PDF to, https/, MIT A, MIT A, (24) W, and https/. Below the address bar, there are quick links for Gmail, YouTube, Maps, NEET Sample Paper..., and Google Meet. The main content area of the browser is a dark, almost black, rectangular region. In the top-left corner of this dark area, the text `["temp":24,"humid":48]` is visible. Below the browser window, a Windows taskbar is visible, showing the search bar with the text "Type here to search", several application icons (including Edge, File Explorer, Mail, Chrome, and VS Code), and system tray icons for weather (25°C), network, and time (23:28, 14-11-2022).

3.To give turn ON / OFF LIGHT command

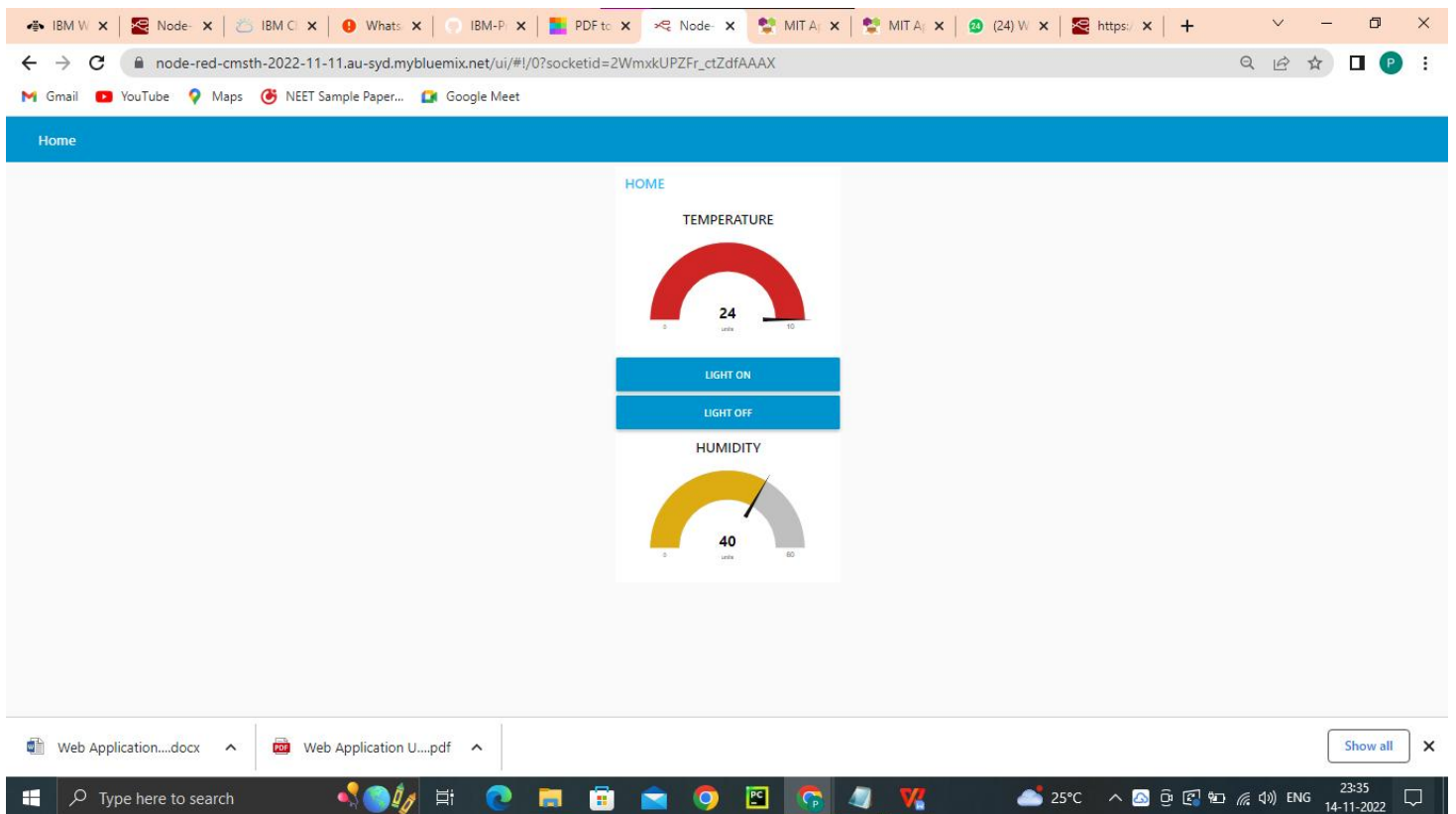
The screenshot shows a web browser window with the address bar displaying `node-red-cmsth-2022-11-11.au-syd.mybluemix.net/command?command=lighton`. The browser's tab bar includes several open tabs: Node-RED Dashboard (selected), https://node-red-cmsth-2022, IBM, IBM-EPBL/IBM-Project-1996, and IBM-Project-19962-1659709. Below the address bar, there are quick links for Gmail, YouTube, Maps, NEET Sample Paper..., and Google Meet. The main content area of the browser is a dark, almost black, rectangular region. In the top-left corner of this dark area, the text `lighton` is visible. Below the browser window, a Windows taskbar is visible, showing the search bar with the text "Type here to search", several application icons (including Edge, File Explorer, Mail, Chrome, and VS Code), and system tray icons for weather (25°C), network, and time (23:29, 14-11-2022).

node-red-cmsth-2022-11-11.au-syd.mybluemix.net/command?command=lightoff

Gmail YouTube Maps NEET Sample Paper... Google Meet

lightoff

4.UI Design Of web application using Node RED



Conclusion:

Developed the web application using Node-RED Successfully

