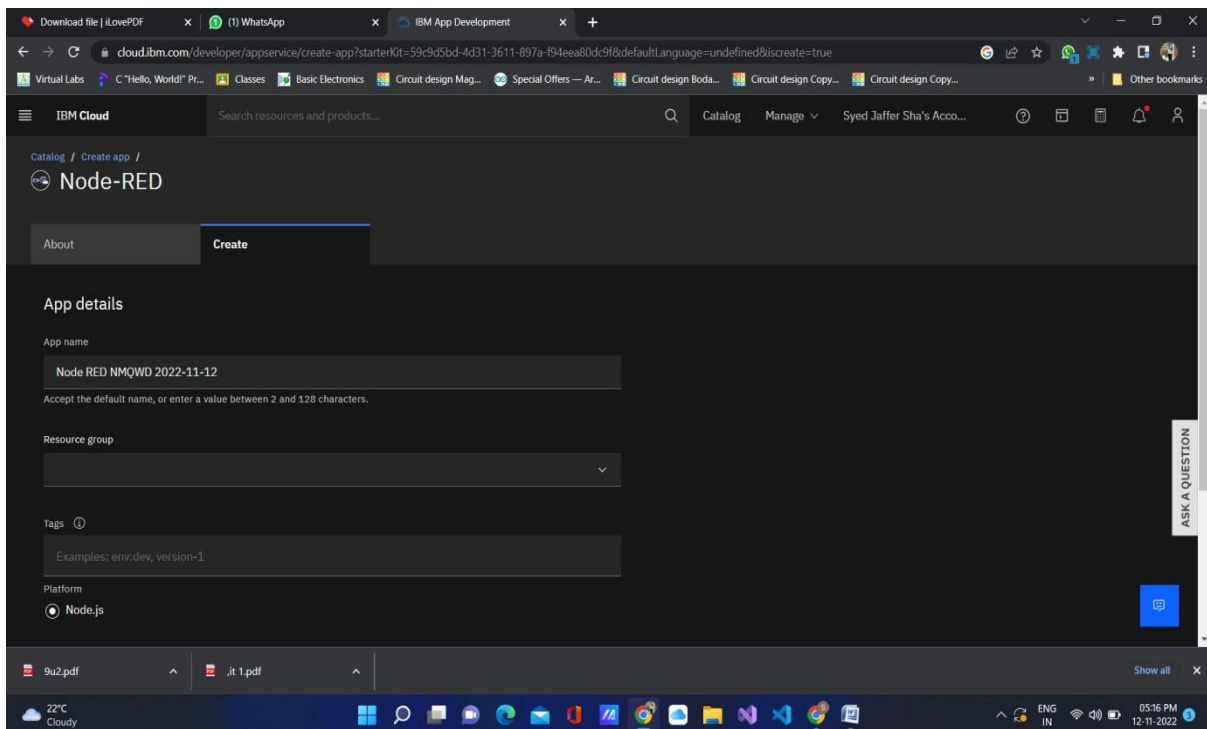


PRE REQUISITES

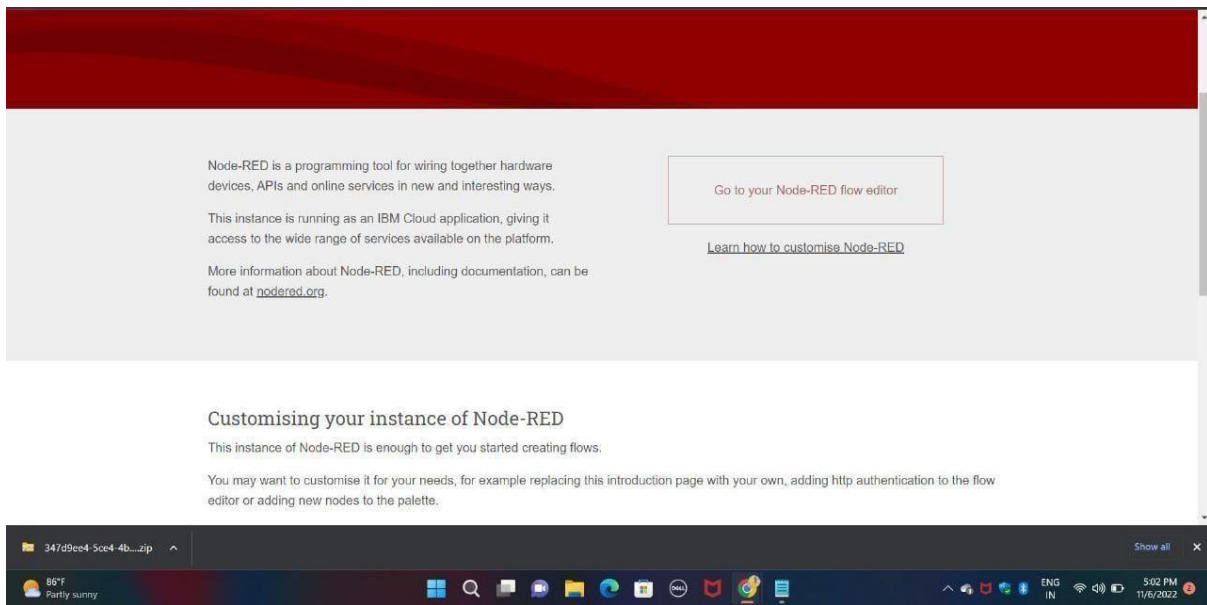
NodeRED App creation

Date	19 September 2022
Team ID	PNT2022TMID54001
Project Name	Project - Smart Farmer- IoT Enabled smart Farming Application
Maximum Marks	2 Marks

Step 1



Step2



The screenshot shows a web browser window displaying the Node-RED introduction page. The page has a dark red header. Below the header, there is a light gray section with the following text:

Node-RED is a programming tool for wiring together hardware devices, APIs and online services in new and interesting ways.

This instance is running as an IBM Cloud application, giving it access to the wide range of services available on the platform.

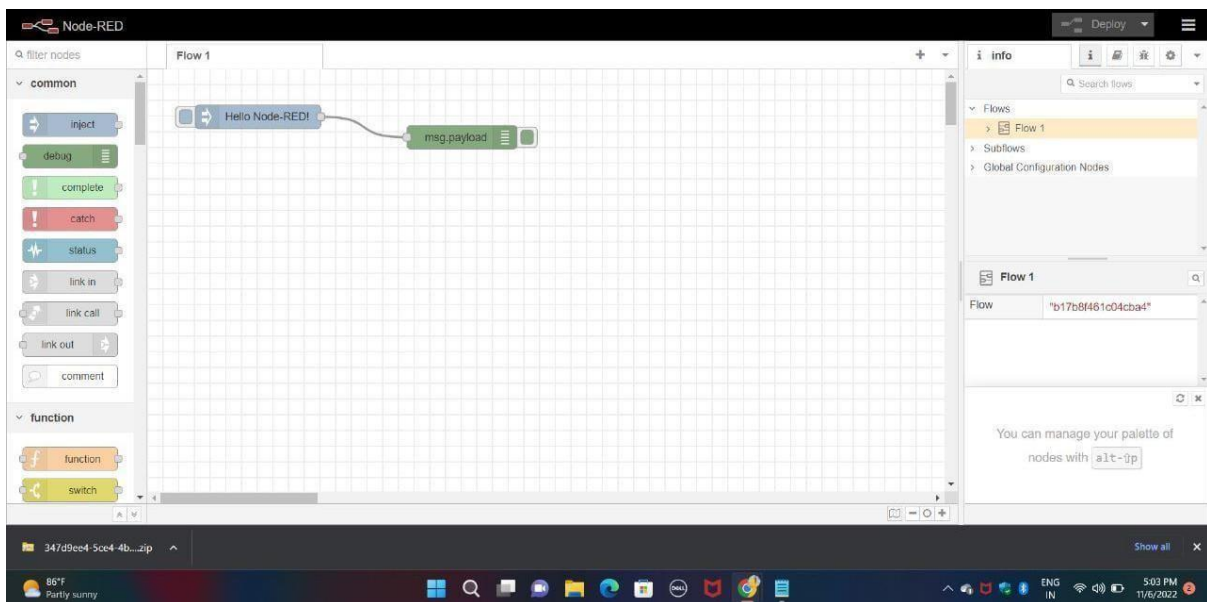
More information about Node-RED, including documentation, can be found at nodered.org.

On the right side, there is a button that says "Go to your Node-RED flow editor" and a link that says "Learn how to customise Node-RED".

Below this section, there is a heading "Customising your instance of Node-RED" followed by the text: "This instance of Node-RED is enough to get you started creating flows. You may want to customise it for your needs, for example replacing this introduction page with your own, adding http authentication to the flow editor or adding new nodes to the palette."

The browser's address bar shows a file path: "347d9ee4-Sce4-4b...zip". The Windows taskbar at the bottom shows the date and time as 5:02 PM on 11/6/2022.

Step3



The screenshot shows the Node-RED flow editor interface. The main workspace is a grid where a flow is being built. The flow consists of two nodes: a "Hello Node-RED!" node (blue) and a "msg.payload" node (green). The "Hello Node-RED!" node is connected to the "msg.payload" node.

On the left side, there is a palette of nodes categorized into "common" and "function". The "common" category includes nodes like inject, debug, complete, catch, status, link in, link call, link out, and comment. The "function" category includes nodes like function and switch.

On the right side, there is an "info" panel showing the details of the current flow. It lists the flow as "Flow 1" and shows its ID as "b17b8f461c04cba4?". Below this, there is a message that says "You can manage your palette of nodes with alt+tp".

The browser's address bar shows the same file path as in Step 2. The Windows taskbar at the bottom shows the date and time as 5:03 PM on 11/6/2022.

Step4

The screenshot displays the Node-RED web interface. On the left, the 'common' nodes palette is visible, containing nodes like inject, debug, complete, catch, status, link in, link call, link out, and comment. The 'function' nodes palette is also visible, containing function and switch nodes. The main workspace shows a flow named 'Flow 1' with two nodes: a blue 'Hello Node-RED!' node and a green 'msg.payload' node, connected by a line. On the right, the 'debug' console shows the output of the flow: '11/6/2022, 5:07:29 PM node: f2f2645a-0d0d98 msg.payload: string[15] "Hello Node-RED!"'. The bottom of the image shows a Windows taskbar with the date and time '5:07 PM 11/6/2022'.