

Project Development Phase

SPRINT - 2

Date	05 November 2022
Team ID	PNT2022TMID54322
Project Name	Signs with Smart Connectivity for Better Road Safety
Maximum Marks	20 Marks

Sprint-2	USN-1	Configure the connection security and create API keys that are used in the Node-RED service for accessing the IBM IoT Platform.
Sprint-2	USN-2	Create a Node-RED service.

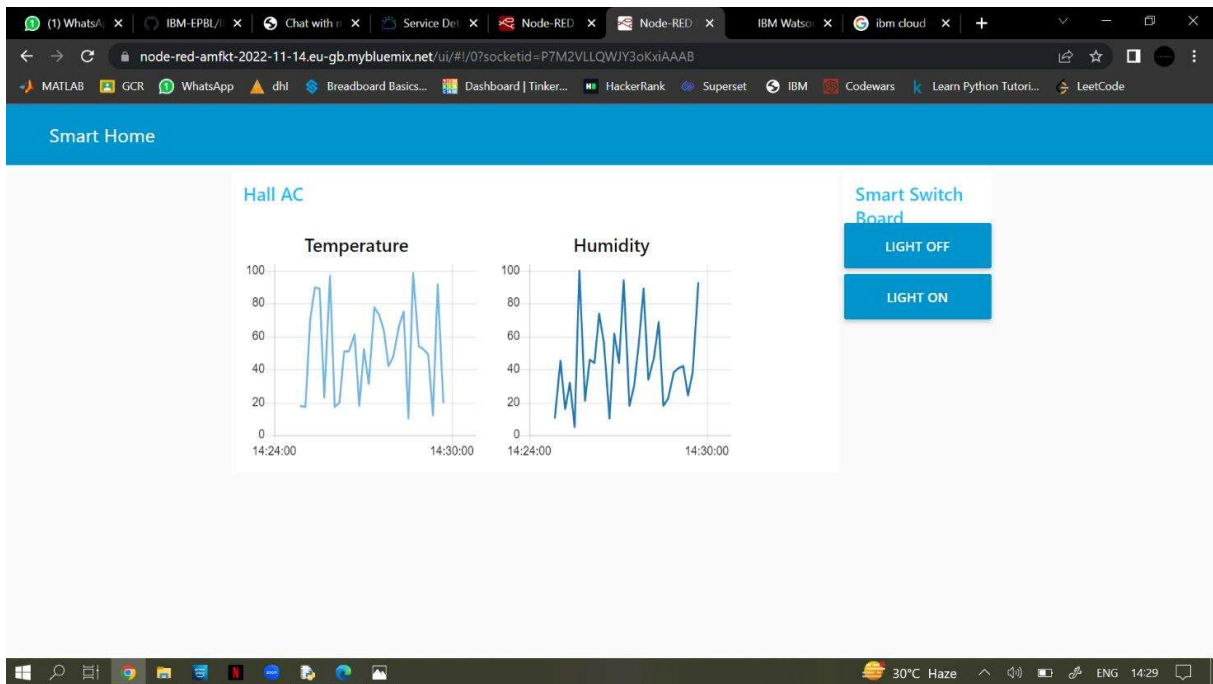
USN-1: Configure the connection security and create API keys that are used in the Node-RED service for accessing the IBM IoT Platform.

The screenshot shows the IBM Watson IoT Platform dashboard. The user is logged in as 'charu2k1@gmail.com' with ID 'efr0if'. The dashboard displays 'Generated Details' for an API key, including the API Key 'a-efr0if-eqghrcba2k' and the Authentication Token 'eKj3somSJYad7KYm@o'. A warning message states: 'Authentication tokens are non-recoverable. If you misplace this token, you will need to re-register the API key to generate a new authentication token.' Below the details, there is a section for 'API Key Information' with fields for Description, Role (Visualization Application), and Expires (Never). At the bottom, there are buttons for 'View API Key', 'Add Another', and 'Close'. The dashboard also shows a 'Browse API Keys' section with '1 Simulation running'.

USN-2: Create a Node-RED service.

The screenshot shows the Node-RED web interface in a browser. The main workspace displays a flow named 'Flow 1' with two nodes: an 'inject' node (ID: 54322) and a 'msg.payload' node. The left sidebar shows the 'common' and 'function' node categories. The right sidebar shows the 'debug' console with a log of messages: 'Hello IBM'.

The screenshot shows the Node-RED web interface with a more complex flow. The main workspace displays a flow named 'Flow 1' with several nodes: an 'IBM IoT' node (connected), a 'temp' node, a 'hum' node, a 'msg.payload' node, and two 'Light on/off' nodes. The left sidebar shows the 'input', 'output', and 'sequence' node categories. The right sidebar shows the 'dashboard' section with a 'Layout' tab and a 'Smart Home' section containing 'Garden Moisture', 'Hall AC', and 'Smart Switch Board'.



MIT APP INVENTOR

