

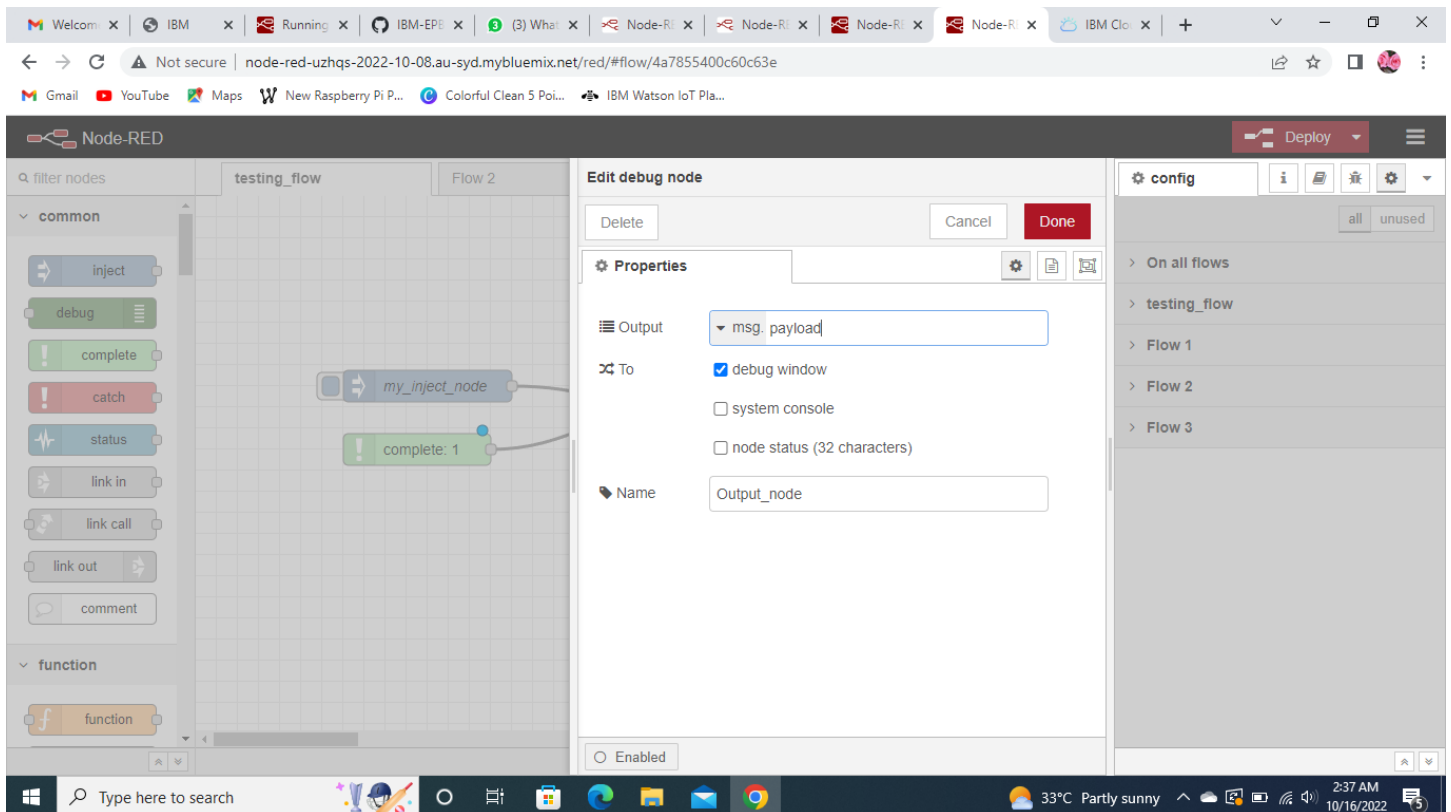
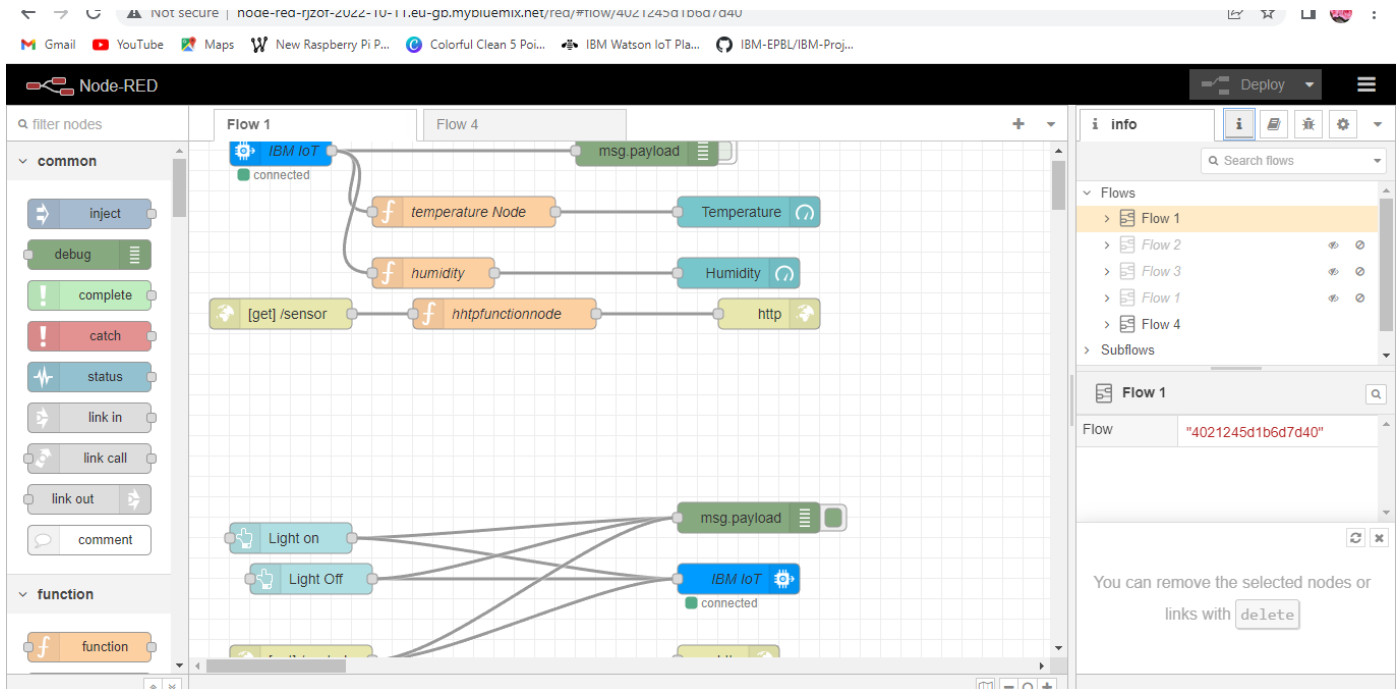
DEVELOP A WEB APPLICATION USING NODE-RED SERVICE

Use Dashboard Nodes for creating UI (Web App)

Date : 04 November 2022

Team ID : PNT2022TMID37707

Project Name Project - SIGNS WITH SMART CONNECTIVITY FOR BETTER ROAD SAFETY



IBM Watson IoT Platform

Device Type: **iot_devices**

Events 2

New event type +

Event type name: Send

Schedule: 20 Every Minute

Payload: Specify the event payload in the editor window or by uploading a [CSV file](#).

```
0 {
1   "randomNumber": random(0, 100),
2   "sampleObject": {
3     "xcord": 32.514,
4     "ycord": 151.521
5   }
6 }
```

Identity Device Information Recent Events State

The recent events listed show the live stream of data that is coming and going

| Event | Value |
|---------|--|
| event_1 | {"randomNumber":31} |
| event_1 | {"randomNumber":83} |
| event_2 | {"randomNumber":94,"sampleObject":{"xcord":... |
| event_2 | {"randomNumber":25,"sampleObject":{"xcord":... |
| event_2 | {"randomNumber":11,"sampleObject":{"xcord":... |

IBM Watson IoT Platform

Simulations Import/Export simulation

1/50 Simulations Running

+ New Simulation

Device Type: **iot_devices** 2 Events

1 Device

1234

1 x Create Simulated Device Use Registered Device

Identity Device Information Recent Events State

The recent events listed show the live stream of data that is coming and going

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|---------|--|
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| event_2 | {"randomNumber":11,"sampleObject":{"xcord":... |

Node-RED interface showing a flow named "testing_flow" with nodes: inject, my_inject_node, and complete: 1. The "Edit debug node" dialog is open, showing properties: Output (msg.payload), To (debug window), and Name (Output_node). The interface includes a sidebar with node categories (common, function) and a top bar with a "Deploy" button.

Windows taskbar and browser tabs. The browser address bar shows "cloud.ibm.com/developer/appservice/apps/244f5358-2b69-4c47-b70d-6067e28fa9c".

IBM Cloud console interface for the application "Node RED UNAJQ 2022-10-22". The "Details" section shows App URL, Source (Download code), Resource group (Default), Deployment target, and Created date (10/22/2022). The "Services" section lists Cloudant. The "Deployment Automation" section shows Name (NodeREDUNAJQ2022-10-22) and Location (Sydney). The "Delivery Pipelines" section shows pr-pipeline and ci-pipeline, both with "No stages detected".

Browser tabs: Welcome, IBM, IoT-B6-6M, IBM-Proje, Search - Sli, IoT-B6, Resource, IBM Cloud, IBM-Proje.

Address bar: cloud.ibm.com/resources

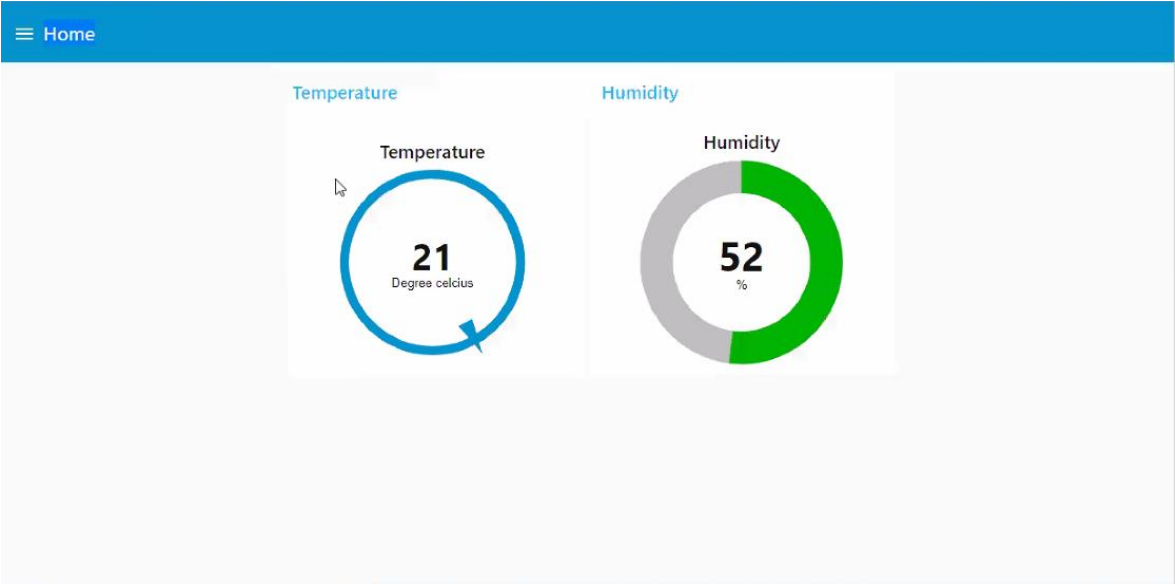
Search bar: Search resources and products...

Navigation: Catalog, Manage, Deepika A's Account

| Name | Group | Location | Product | Status | Tags |
|------------------------------------|-----------------------|-----------|---------------------|-------------|------|
| Analytics (0) | | | | | |
| Blockchain (0) | | | | | |
| Databases (2) | | | | | |
| node-red-unajq-2022--cloudant-1... | Default | Frankfurt | Cloudant | Active | — |
| node-red-unajq-2022--cloudant-1... | deepika_project / iot | Sydney | Cloudant | Provisioned | — |
| Developer tools (4) | | | | | |
| Continuous Delivery | Default | Sydney | Continuous Delivery | Active | — |
| Node RED UNAJQ 2022-10-22 | Default | Global | Cloud Application | — | — |
| NodeREDUNAJQ2022-10-22 | Default | Sydney | Toolchain | — | — |
| NodeREDUNAJQ2022-10-22 | Default | Sydney | Toolchain | — | — |
| Logging and monitoring (0) | | | | | |

Windows taskbar: Type here to search, 26°C Cloudy, 6:38 AM 11/9/2022

By using User interface (UI) in NODE-RED



Welcome to Project! Delight: xIBM xNalaiyaThiran-Training & Pro: xIBM Cloud xIBM Watson IoT Platform x

7kb3es.internetofthings.ibmcloud.com/dashboard/boards/91540bce-5e4a-4aca-9612-236ab43a8649

Gmail YouTube Maps W New Raspberry Pi P... Colorful Clean 5 Poi...

IBM Watson IoT Platform

410119106009@smartinternz.com
ID: 7kb3es

Iot monitor board

+

 Add New Card

⚙️

 Settings

Line chart

150
100
50
0

23:17 23:18 23:19 23:20 23:21

5 minutes now

randomNumber sampleObject.xcord sampleObject.ycord

1 Simulation running

Type here to search

31°C Cloudy 11:21 PM 10/15/2022