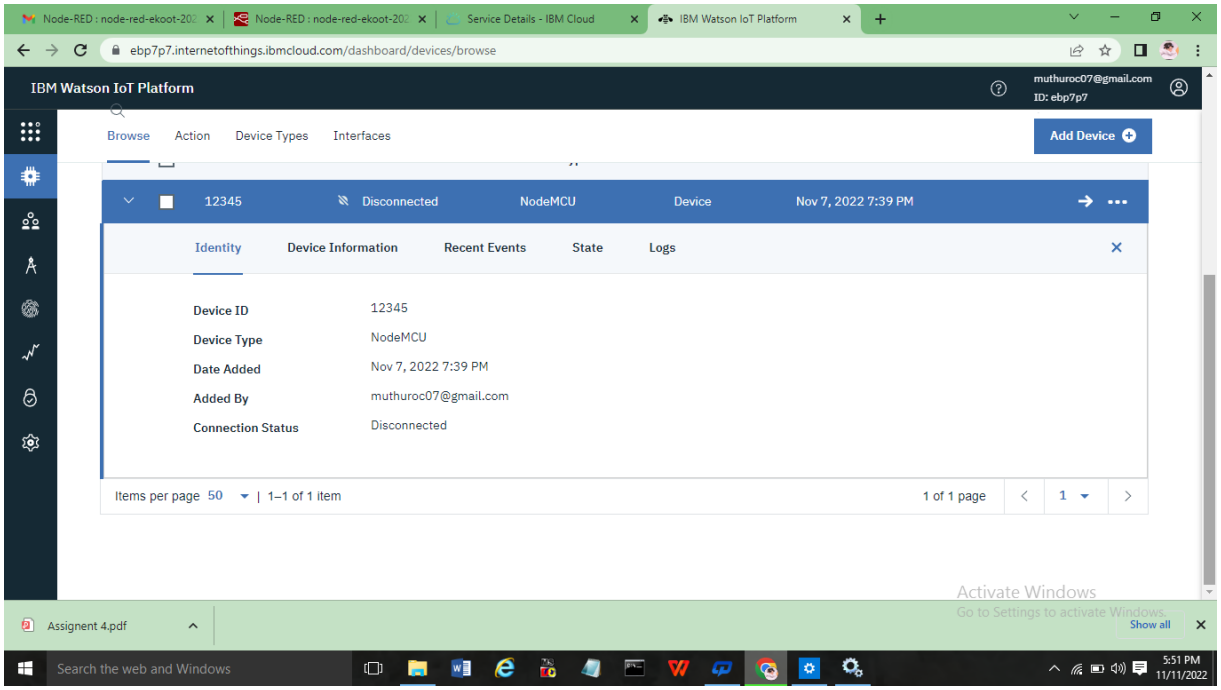
PROJECT DEVELOPMENT PHASE

Sprint - 2

Date	09 November 2022
Team ID	PNT2022TMID51479
Project Name	Signs with Smart Connectivity for Better Road Safety
Maximum Marks	20 Marks

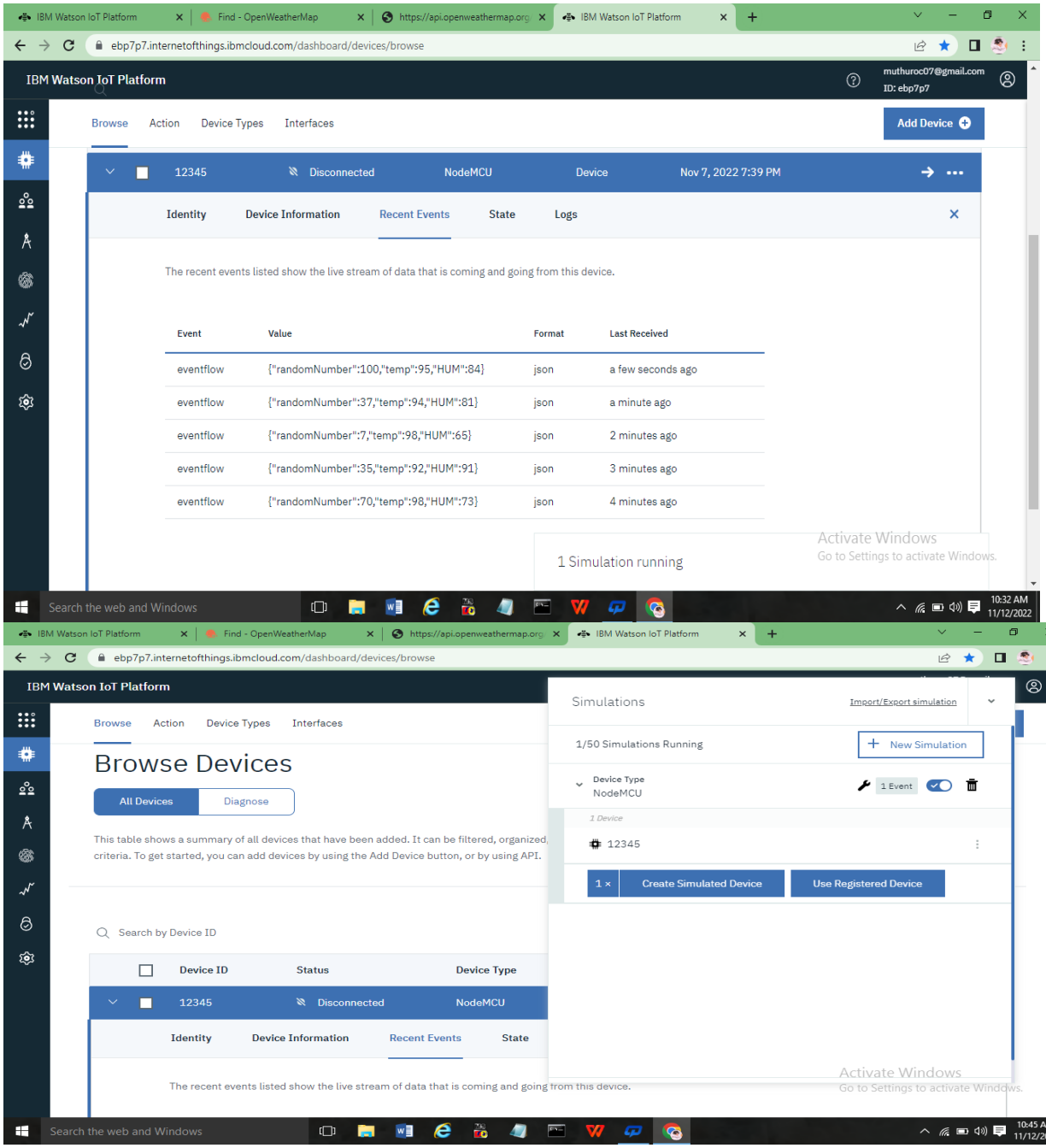
Step – 1:

Create a Device using IBM IoT platform:

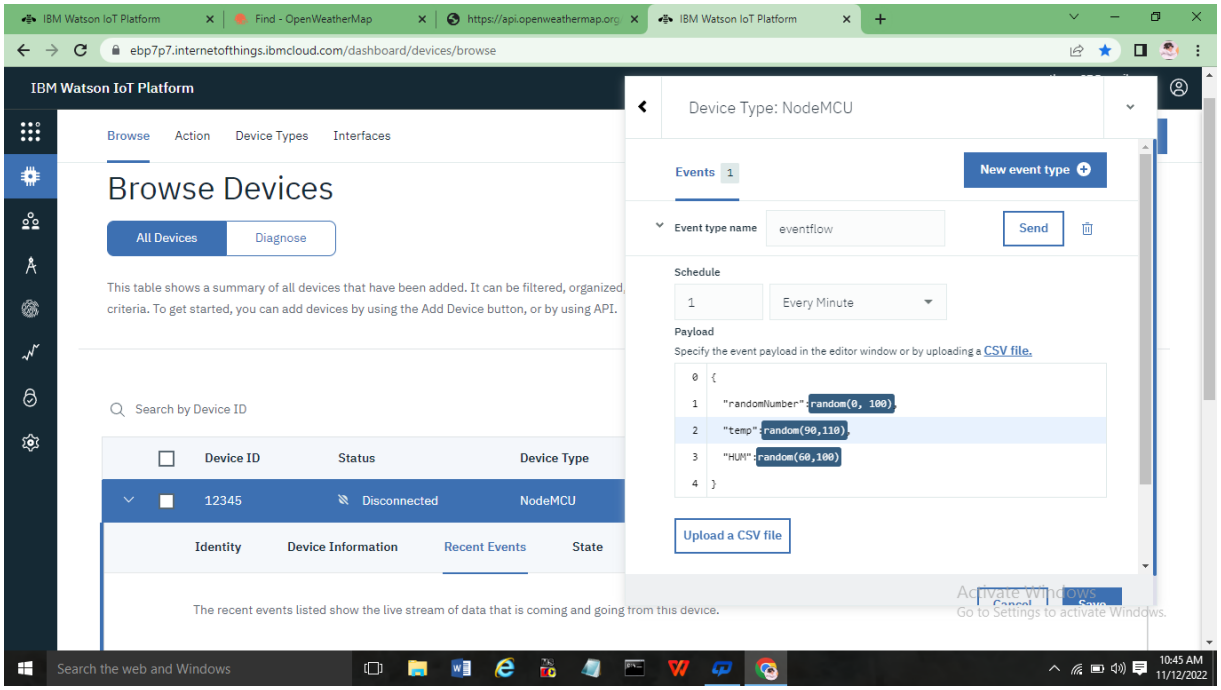


Step – 2

Generating Simulation:

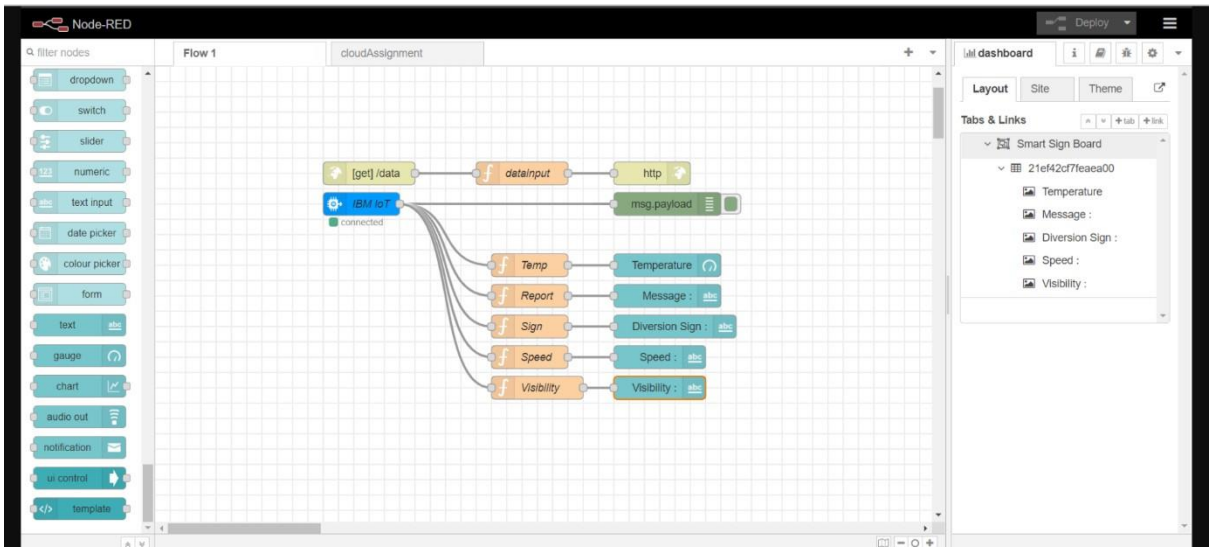

IBM Watson IoT Platform
Find - OpenWeatherMap
https://api.openweathermap.org
IBM Watson IoT Platform
ebp7p7.internetofthings.ibmcloud.com/dashboard/devices/browse
IBM Watson IoT Platform
muthuroc07@gmail.com
ID: ebp7p7
Browse
Action
Device Types
Interfaces
Add Device
12345
Disconnected
NodeMCU
Device
Nov 7, 2022 7:39 PM
Identity
Device Information
Recent Events
State
Logs
The recent events listed show the live stream of data that is coming and going from this device.
Event
Value
Format
Last Received
eventflow
{"randomNumber":100,"temp":95,"HUM":84}
json
a few seconds ago
eventflow
{"randomNumber":37,"temp":94,"HUM":81}
json
a minute ago
eventflow
{"randomNumber":7,"temp":98,"HUM":65}
json
2 minutes ago
eventflow
{"randomNumber":35,"temp":92,"HUM":91}
json
3 minutes ago
eventflow
{"randomNumber":70,"temp":98,"HUM":73}
json
4 minutes ago
1 Simulation running
Activate Windows
Go to Settings to activate Windows.
Search the web and Windows
10:32 AM
11/12/2022

IBM Watson IoT Platform
Find - OpenWeatherMap
https://api.openweathermap.org
IBM Watson IoT Platform
ebp7p7.internetofthings.ibmcloud.com/dashboard/devices/browse
IBM Watson IoT Platform
Browse
Action
Device Types
Interfaces
Browse Devices
All Devices
Diagnose
This table shows a summary of all devices that have been added. It can be filtered, organized,
criteria. To get started, you can add devices by using the Add Device button, or by using API.
Search by Device ID
Device ID
Status
Device Type
12345
Disconnected
NodeMCU
Identity
Device Information
Recent Events
State
The recent events listed show the live stream of data that is coming and going from this device.
Simulations
Import/Export simulation
1/50 Simulations Running
New Simulation
Device Type
NodeMCU
1 Event
1 Device
12345
1 ×
Create Simulated Device
Use Registered Device
Activate Windows
Go to Settings to activate Windows.
Search the web and Windows
10:45 AM
11/12/2022



Step – 3:

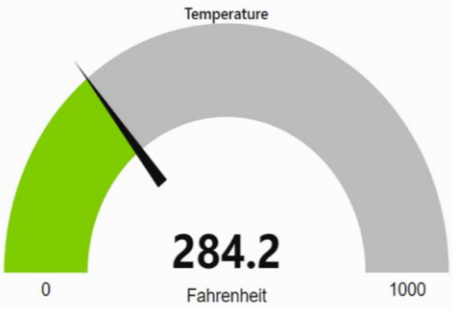
Creating Node-Red:



Step – 4:

Altering Link using ui to get the Graphical output :

Smart Sign Board



Message : **SLOW DOWN , SCHOOL IS NEAR**

Diversion Sign : **Left Diversion <-**

Speed : **Moderate Speed**

Visibility : **Clear Weather**