

# SPRINT-2

<b>Team ID</b>	<b>PNT2022TMID30401</b>
<b>Project Name</b>	<b>Gas Leakage Monitoring and Alerting System</b>

IBM Watson IoT Platform

Browse

Action

Device Types

Interfaces

Add Device

Browse Devices

All DevicesDiagnose

This table shows a summary of all devices that have been added. It can be filtered, organized, and searched on using different criteria. To get started, you can add devices by using the Add Device button, or by using API.

Search by Device ID

Device Simulator

	Device ID	Status	Device Type	Class ID	Date Added	Descriptive Location
>	1234	Disconnected	ESP32	Device	Nov 11, 2022 1:14 PM	
>	1234	Disconnected	iot_device	Device	Nov 5, 2022 9:04 PM	

Items per page 50 | 1-2 of 2 items

0 Simulations running

# OUTPUT:

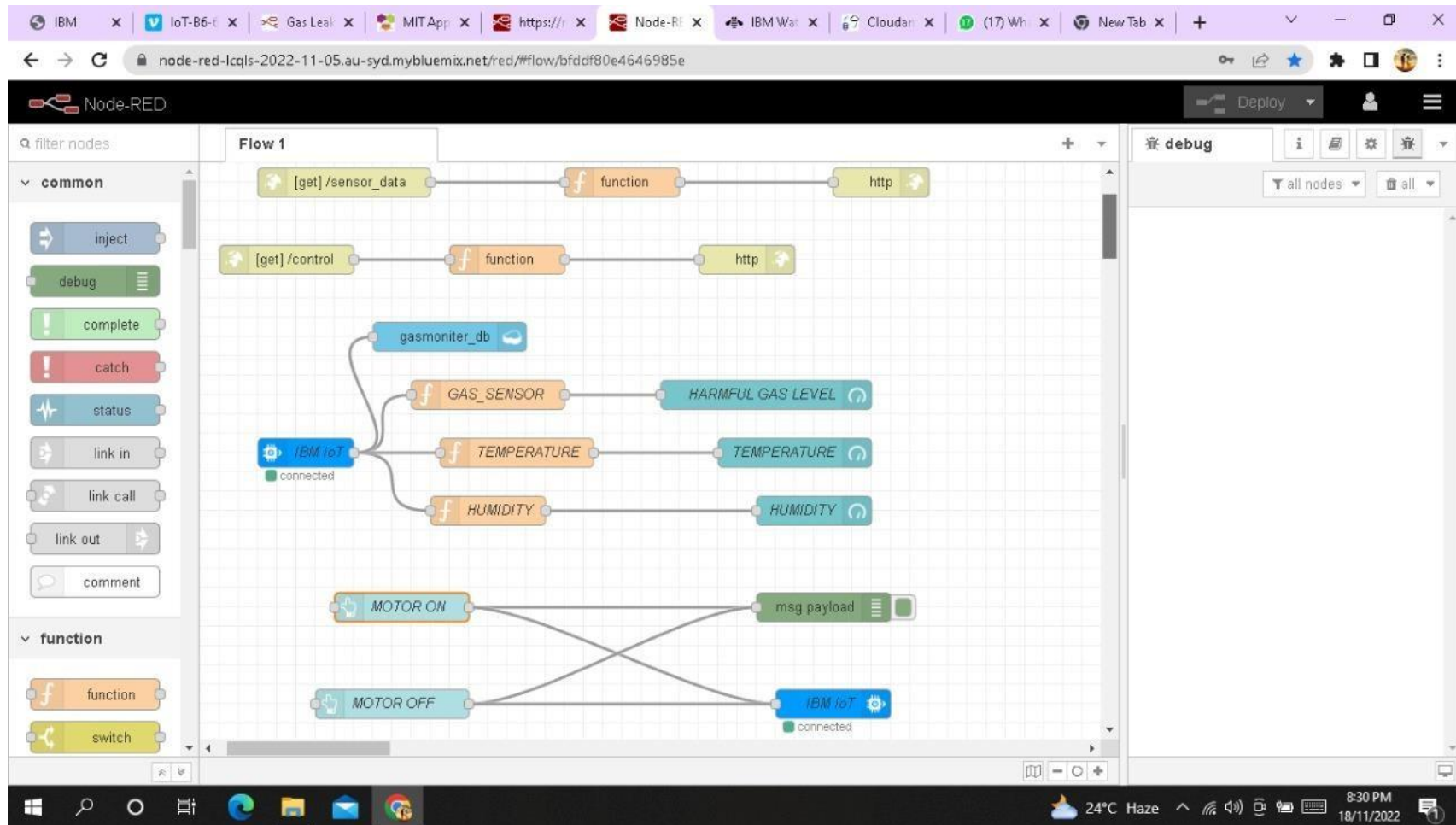
The screenshot displays the IBM Watson IoT Platform interface. The top navigation bar includes the IBM logo, the text "IBM Watson IoT Platform", and a user profile section with the email "vijipv1107@gmail.com" and ID "xz5tn5". The main content area is titled "Browse" and shows a list of devices. The device list has columns for Device ID, Status, Device Type, Class ID, Date Added, and Descriptive Location. Two devices are listed, both with ID "1234" and status "Disconnected". The first device is of type "ESP32" and was added on "Nov 11, 2022 1:14 PM". The second device is of type "iot\_device" and was added on "Nov 5, 2022 9:04 PM". The second device is selected, and its details are shown in a modal window. The modal has tabs for Identity, Device Information, Recent Events, State, and Logs. The "Recent Events" tab is active, showing a table of recent events. The table has columns for Event, Value, Format, and Last Received. Five events are listed, all with the event name "event\_1" and a format of "json". The values are JSON objects containing "Gas Level", "Humidity", and "Temp" data. The last received time for all events is "a few seconds ago". At the bottom of the modal, it says "0 Simulations running". The Windows taskbar is visible at the bottom of the screen, showing the time as 8:28 PM on 14/11/2022 and the weather as 23°C Cloudy.

Device ID	Status	Device Type	Class ID	Date Added	Descriptive Location
1234	Disconnected	ESP32	Device	Nov 11, 2022 1:14 PM	
1234	Disconnected	iot_device	Device	Nov 5, 2022 9:04 PM	

Event	Value	Format	Last Received
event_1	{"Gas Level":5,"Humidity":60,"Temp":49}	json	a few seconds ago
event_1	{"Gas Level":43,"Humidity":73,"Temp":36}	json	a few seconds ago
event_1	{"Gas Level":72,"Humidity":18,"Temp":19}	json	a few seconds ago
event_1	{"Gas Level":55,"Humidity":25,"Temp":31}	json	a few seconds ago
event_1	{"Gas Level":60,"Humidity":62,"Temp":3}	json	a few seconds ago

0 Simulations running

# WORKFLOW FLOW FOR IOT SCENERIOS UNSING LOCAL NODE RED:



Node-RED

filter nodes

Flow 1 Flow 3

common

- inject
- debug
- complete
- catch
- status
- link in
- link call
- link out
- comment

function

- function
- switch

[get] /sensor\_data

[get] /control

gasmonitor\_db

GAS\_SENSOR

TEMPERATURE

HUMIDITY

IBM IoT connected

### Edit function node

Delete

Properties

Name: GAS\_SENSOR

Setup On Start On Message On Stop

```
1 msg.payload=msg.payload.harmful_gas
2 global.set('h',msg.payload)
3 return msg;
```

Enabled

### info

Search flows

Flows

- Flow 1
- Flow 2
- Flow 3
- Flow 4
- Flow 5
- Subflows
- Global Configuration Nodes

GAS\_SENSOR

Node	"6fbb4965bbaec42f"
Type	function

show more

Export the selected nodes, or the current tab with ctrl-e

WhatsApp Image...jpeg

Type here to search

