

**Project Development Phase**  
**Sprint-2**

Team ID	PNT2022TMID17080
Project Name	Project – Signs with Smart Connectivity for Better Road Safety
Maximum Marks	8 Marks

**SPRINT 2:**

- ✓ In this phase we done the devices details and Node-Red module .The Node-RED in IBM cloud. It is flow-based programming tool for wiring together hardware devices, APIs, and online services. Create event-based apps with simple flow-based programming.
- ✓ Node-RED allows you to create functionality by wiring together flows of data between nodes using a browser. And it has gained tremendous popularity in the IoT space, by modeling bits of application functionality between IoT devices like sensors, cameras, and wireless routers.

# IOT WATSON DEVICES DETAILS

← → ↻

b59mry.internetofthings.ibmcloud.com/dashboard/devices/browse

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IBM Watson IoT Platform

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Browse

Action

Device Types

Interfaces

Add Device +

## Browse Devices

All DevicesDiagnose

Window Snip

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 ☐

101

🔍

<input type="checkbox"/>	Device ID	Status	Device Type	Class ID	Date Added
> <input type="checkbox"/>	1111	🔌 Disconnected	Event_1	Device	Nov 4, 2022 2:49 PM
> <input type="checkbox"/>	1234	🔌 Disconnected	Event_1	Device	Oct 28, 2022 3:17 PM
> <input type="checkbox"/>	Event_1_1	🔌 Disconnected	Event_1	Device	Oct 28, 2022 4:01 PM



Browse

Action

Device Types

Interfaces

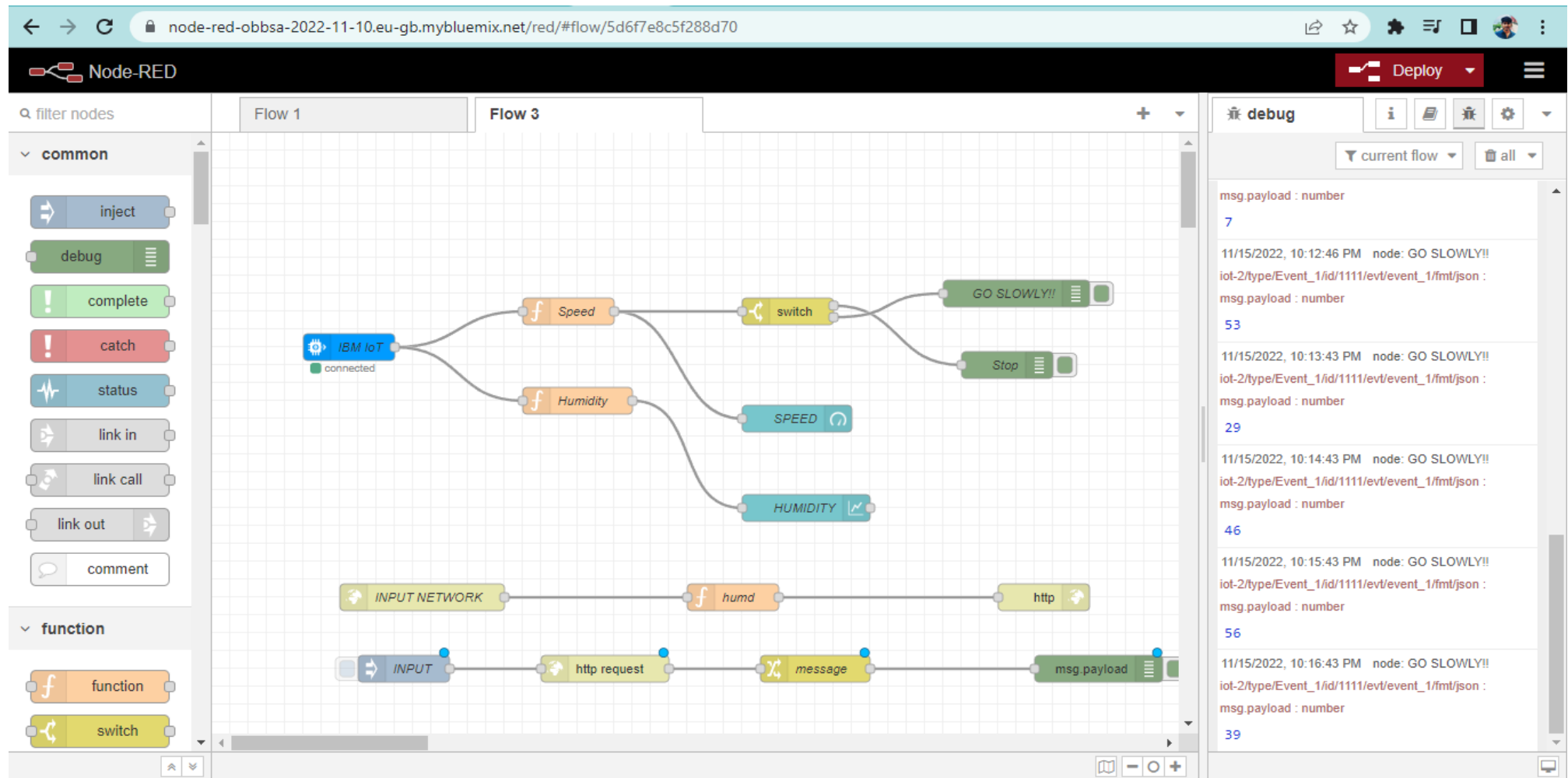
Add Device +

The recent events listed show the live stream of data that is coming and going from this device.

Event	Value	Format	Last Received
event_1	{"Temperature":15,"Speed":37,"Humidity":98}	json	a few seconds ago
event_1	{"Temperature":95,"Speed":83,"Humidity":99}	json	a minute ago
event_1	{"Temperature":21,"Speed":47,"Humidity":91}	json	2 minutes ago
event_1	{"Temperature":14,"Speed":38,"Humidity":91}	json	3 minutes ago
event_1	{"Temperature":96,"Speed":34,"Humidity":83}	json	4 minutes ago

1 Simulation running

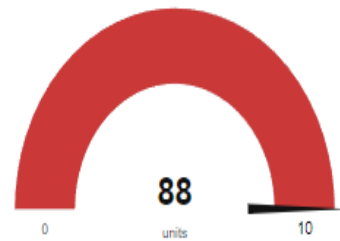
## Node-Red Connection and Dashboard Design



## ROAD

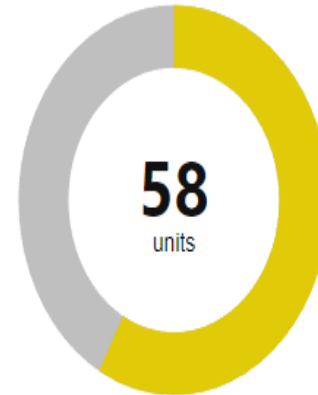
### Humidity

#### Humidity



### Speed

#### Speed



#### Moisture

