

## PROJECT DEVELOPMENT PHASE

### DELIVERY OF SPRINT – 3

|              |  |
|--------------|--|
| Date         | 17 November 2022                                     |
| Team ID      | PNT2022TMID32979                                     |
| Project Name | Signs with Smart Connectivity for Better Road Safety |

### IBM Watson and Python Integration:

- ✓ By using Watson IoT Platform, you can collect connected device data and perform analytics on real-time data. The IBM Watson IoT Platform is a fully managed, Cloud-hosted service that provides device management capabilities as well as data collection and management in a time series format.

### Steps to get visibility and temperature :

- ✓ Device creation in IBM IOT Platform
- ✓ Node – red workflow
- ✓ Node – red dashboard

**Device created in IBM :**

Python Release Python x | Inbox (1,250) - dharani x | IBM-EPBL/IBM-Project x | Service Details - IBM x | IBM Watson IoT Platf x | IBM x

q9m3l6.internetofthings.ibmcloud.com/dashboard/devices/browse

### IBM Watson IoT Platform

Browse Action Device Types Interfaces

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

| Event  | Value   |
|--------|---|
| ibmiot | {"temperature":28.990000000000001,"visibility"... |

Items per page 50 | 1-6 of 6 items

Device Type: mdhar

Events 1 [New event type +](#)

Event type name  [Send](#) [Delete](#)

Schedule 1 Every Minute

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

```
0 {
1   "temperature":28.990000000000001
2   "visibility":50
3   "location":"Thiruvavur,IN"
4 }
5
```

python-3.7.0-amd64.exe python-3.11.0-amd64.exe python-3.11.0-amd64.exe

Type here to search

11:53 17-11-2022

Python Release Python x | Inbox (1,250) - dharani x | IBM-EPBL/IBM-Project x | Service Details - IBM x | IBM Watson IoT Platf x | IBM x

q9m3l6.internetofthings.ibmcloud.com/dashboard/devices/browse

### IBM Watson IoT Platform

Browse Action Device Types Interfaces

820419106012@smartinternz.com ID: q9m3l6

[Add Device +](#)

| ID   | Status       | Device Name | Device Type | Last Seen             |
|------|--------------|-------------|-------------|-----------------------|
| 2002 | Disconnected | dharani     | Device      | Nov 16, 2022 9:59 AM  |
| 8602 | Disconnected | mdhar       | Device      | Nov 17, 2022 11:23 AM |

5 Simulations running

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.

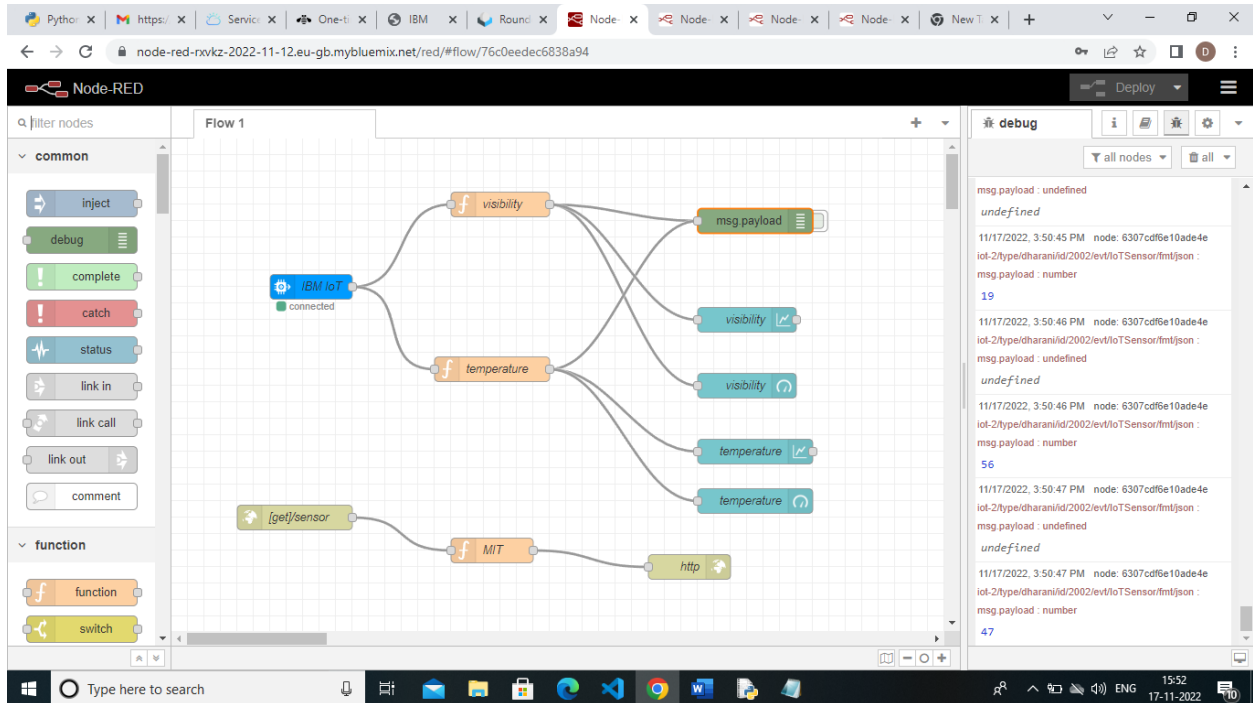
| Event  | Value   | Format | Last Received     |
|--------|---|--------|-------------------|
| ibmiot | {"temperature":28.990000000000001,"visibility"... | json   | a few seconds ago |
| ibmiot | {"temperature":28.990000000000001,"visibility"... | json   | a few seconds ago |

python-3.7.0-amd64.exe python-3.11.0-amd64.exe python-3.11.0-amd64.exe

Type here to search

11:53 17-11-2022

### Node-RED Workflow :



**OUTPUT :**

## Node – RED Dashboard

