

## 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 | Inbox (1,250) - dharani | IBM-EPBL/IBM-Proje | Service Details - IBM | IBM Watson IoT Platf | IBM

q9m316.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":28.99000000000001,"visibility":...

> ☐ abcd\_1 ☐ Disconnected abcd

> ☐ abcd\_2 ☐ Disconnected abcd

> ☐ abcd\_3 ☐ Disconnected abcd

Items per page 50 | 1-6 of 6 items

Device Type: mdhar

Events 1 [New event type](#)

Event type name  [Send](#)

Schedule  
1 Every Minute

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

```
0 {  
1   "temperature":28.99000000000001,  
2   "visibility":50,  
3   "location":"Thiruvavur,IN"  
4 }  
5
```

python-3.7.0-amd64.exe python-3.11.0-am...exe Canceled python-3.11.0-am...exe

Type here to search

11:53 17-11-2022

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### IBM Watson IoT Platform

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Browse Action Device Types Interfaces [Add Device](#)

> ☐ 2002 ☐ Disconnected dharani Device Nov 16, 2022 9:59 AM

▼ ☒ 8602 ☐ Disconnected mdhar Device Nov 17, 2022 11:23 AM → ...

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":28.99000000000001,"visibility":...	json	a few seconds ago
ibmiot	{"temperature":28.99000000000001,"visibility":...	json	a few seconds ago

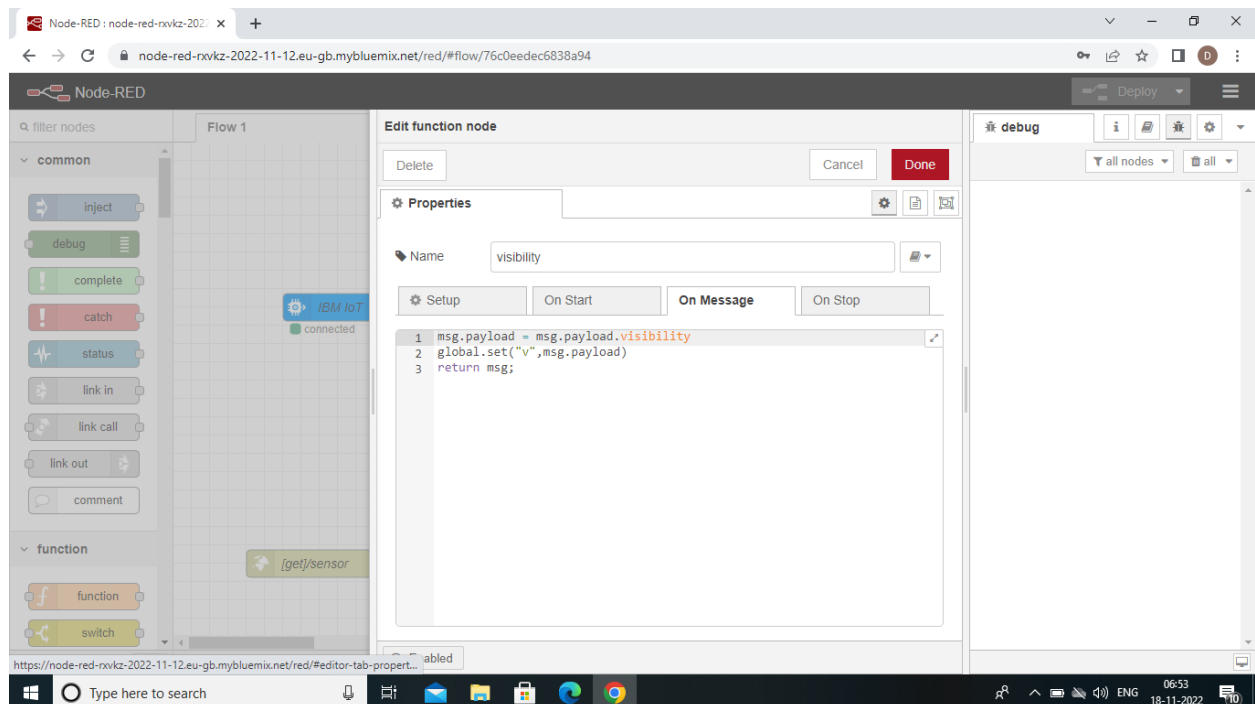
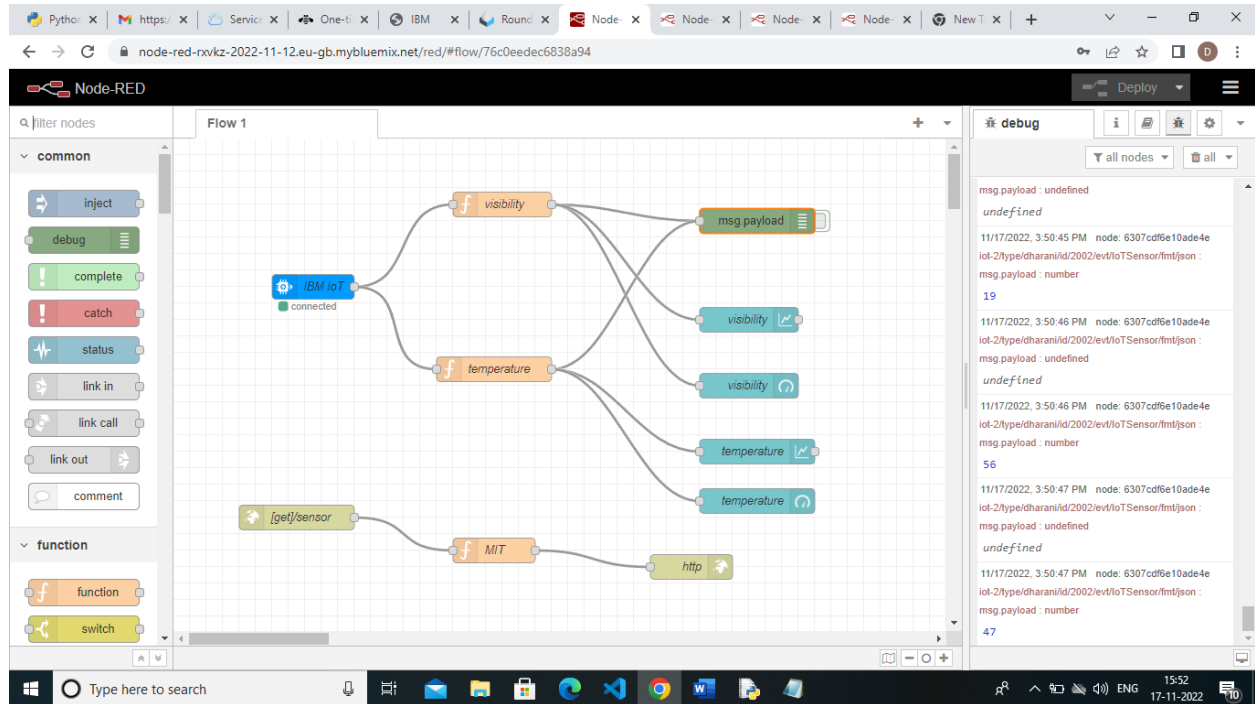
5 Simulations running

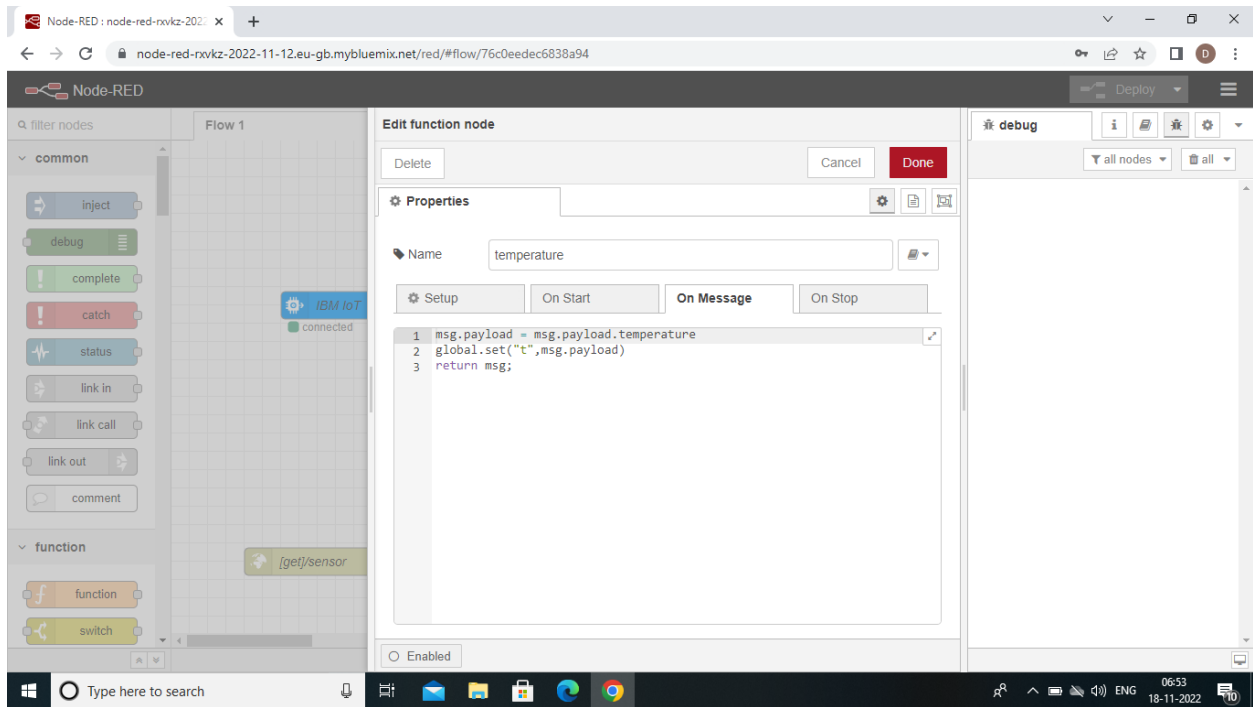
python-3.7.0-amd64.exe python-3.11.0-am...exe Canceled python-3.11.0-am...exe

Type here to search

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## Node-RED Workflow :





OUTPUT :

## Node – RED Dashboard

