

PROJECT DEVELOPMENT PHASE

DELIVERY OF SPRINT – 2

Date	16 November 2022
Team ID	PNT2022TMID32979
Project Name	Signs with Smart Connectivity for Better Road Safety

Sprint goals :

- ✓ Installing ibm softwares like ibm Watson iot and node red.
- ✓ Test the device and workflow.

As a traveller, I should have a hustie free journey like measure the temperature and humidity level while travelling using ibm Watson and node red platform.

Program :

IBM Watson

```
{  
  "speed": random(0, 100),  
  "temp": random(10,80),  
  "humid": random(20,70)  
}
```

IBM Watson IoT Platform

820419106012@smartinternz.com
ID: q9m3l6

Browse Action Device Types Interfaces

Add Device +

1234 Disconnected abcd Device Nov 13, 2022 8:13 PM

2002 Disconnected dharani Device Nov 16, 2022 9:59 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
event_1	{"speed":35,"temp":72,"humid":50}	json	a few seconds ago
event_1	{"speed":73,"temp":40,"humid":37}	json	a few seconds ago
event_1	{"speed":11,"temp":12,"humid":26}	json	a few seconds ago
event_1	{"speed":93,"temp":34,"humid":25}	json	a few seconds ago
event_1	{"speed":30,"temp":19,"humid":46}		

3 Simulations running

Node red workflow :

Node-RED

Flow 1

common

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

function

- function
- switch
- change
- range
- template
- delay

IBM IoT connected

msg.payload

temp

humid

speed

temp

humid

speed

debug

```

11/18/2022, 3:34:08 PM node: 15c317b24b0118e
iot-2type/dharani/2002/event_1_first/json :
msg.payload : Object
{
  speed: 86, temp: 67, humid: 63
}
11/18/2022, 3:34:08 PM node: 15c317b24b0118e
iot-2type/dharani/2002/event_1_first/json :
msg.payload : number
67
11/18/2022, 3:34:08 PM node: 15c317b24b0118e
iot-2type/dharani/2002/event_1_first/json :
msg.payload : number
63
11/18/2022, 3:34:08 PM node: 15c317b24b0118e
iot-2type/dharani/2002/event_1_first/json :
msg.payload : number
86
11/18/2022, 3:34:13 PM node: 15c317b24b0118e
iot-2type/dharani/2002/event_1_first/json :
msg.payload : Object
{
  speed: 8, temp: 52, humid: 52
}
11/18/2022, 3:34:13 PM node: 15c317b24b0118e
iot-2type/dharani/2002/event_1_first/json :
msg.payload : number
52
11/18/2022, 3:34:13 PM node: 15c317b24b0118e
iot-2type/dharani/2002/event_1_first/json :
msg.payload : number
52
11/18/2022, 3:34:13 PM node: 15c317b24b0118e
iot-2type/dharani/2002/event_1_first/json :
msg.payload : number
52
  
```

Node red dashboard – output :

