

PROJECT DEVELOPMENT PHASE

SPRINT TEST CASE-3

Date	18 November 2022
Team ID	PNT2022TMID25663
Project Name	Signs with Smart Connectivity for Better Road Safety
Maximum Marks	8 MARKS

Recent Event:

The screenshot displays the IBM Watson IoT Platform interface. The top navigation bar includes tabs for 'Browse', 'Action', 'Device Types', and 'Interfaces'. A sidebar on the left contains icons for various IoT functions. The main content area shows a list of devices, with 'demo333' selected. Below the device list, a 'Recent Events' tab is active, displaying a table of live data streams. The table has four columns: 'Event', 'Value', 'Format', and 'Last Received'. The data shows five events from an 'IoT Sensor' with speed values ranging from 50 to 83, all in JSON format and received within the last minute.

Event	Value	Format	Last Received
IoTSensor	{"speed":54}	json	a few seconds ago
IoTSensor	{"speed":70}	json	a minute ago
IoTSensor	{"speed":50}	json	a minute ago
IoTSensor	{"speed":83}	json	a minute ago
IoTSensor	{"speed":63}	json	a minute ago

Node-Red Output:

The screenshot shows the Node-RED web interface in a browser. The top bar includes tabs for IBM, Resource list - IBM Cloud, Node-RED: node-red-blisi-2, Node-RED Dashboard, and IBM Watson IoT Platform. The address bar shows the URL: node-red-blisi-2022-10-06.au-syd.mybluemix.net/red/#flow/a0fed68c91ad71db. A green notification bar at the top says "Successfully deployed".

The main workspace displays a flow titled "SmartRoad Safety". The flow starts with a "timestamp" node, followed by a "Chennai" node. This is followed by a "function" node that branches into several "msg.payload" nodes. These nodes are connected to various output nodes: "Location", "Weather", "Wind Speed", "Temperature", "Humidity", "Notes", and "Drive Speed". There is also a "show dialog" node and an "IBM IoT" node connected to the flow.

The left sidebar shows the "common" and "function" node palettes. The right sidebar shows the "debug" console, which displays the output of the flow. The console shows several messages, including a "Chennai" message, a "Mist" message, and a "Drive Speed" message.

Output:

The screenshot shows the Node-RED web interface with a "Python 3.7.0 Shell" window open. The shell window displays the output of a script, which includes a restart message and a list of published driver speeds to IBM Watson.

```
Python 3.7.0 (v3.7.0:1bf9cc5093, Jun 27 2018, 04:59:51) [MSC v.1914 64 bit (AMD64)] on win32
Type "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: f:/cse4/Downloads/smart.py =====
2022-11-08 11:19:14,308 ibmiotf.device.Client INFO Connected successfully: d:dm86el:raspberrypi:demo333
Published Driver Speed = 68 km to IBM Watson
Published Driver Speed = 77 km to IBM Watson
Published Driver Speed = 66 km to IBM Watson
Published Driver Speed = 84 km to IBM Watson
Published Driver Speed = 89 km to IBM Watson
Published Driver Speed = 61 km to IBM Watson
Published Driver Speed = 79 km to IBM Watson
Published Driver Speed = 59 km to IBM Watson
Published Driver Speed = 58 km to IBM Watson
Published Driver Speed = 96 km to IBM Watson
Published Driver Speed = 77 km to IBM Watson
Published Driver Speed = 83 km to IBM Watson
Published Driver Speed = 77 km to IBM Watson
Published Driver Speed = 66 km to IBM Watson
Published Driver Speed = 85 km to IBM Watson
Published Driver Speed = 68 km to IBM Watson
Published Driver Speed = 79 km to IBM Watson
Published Driver Speed = 66 km to IBM Watson
Published Driver Speed = 90 km to IBM Watson
Published Driver Speed = 65 km to IBM Watson
Published Driver Speed = 66 km to IBM Watson
Published Driver Speed = 57 km to IBM Watson
Published Driver Speed = 97 km to IBM Watson
Published Driver Speed = 63 km to IBM Watson
Published Driver Speed = 90 km to IBM Watson
Published Driver Speed = 75 km to IBM Watson
Published Driver Speed = 64 km to IBM Watson
Published Driver Speed = 80 km to IBM Watson
Published Driver Speed = 83 km to IBM Watson
Published Driver Speed = 53 km to IBM Watson
Published Driver Speed = 51 km to IBM Watson
Published Driver Speed = 70 km to IBM Watson
```

The right sidebar shows the "debug" console, which displays the output of the flow. The console shows several messages, including a "Chennai" message, a "Mist" message, and a "Drive Speed" message.