

## **PROJECT DEVELOPMENT PHASE**

### **SPRINT-2**

Date	16 November 2022
Team ID	PNT2022TMID14030
Project Name	Signs with Smart Connectivity for Better Road Safety

### **SPRINT-2:**

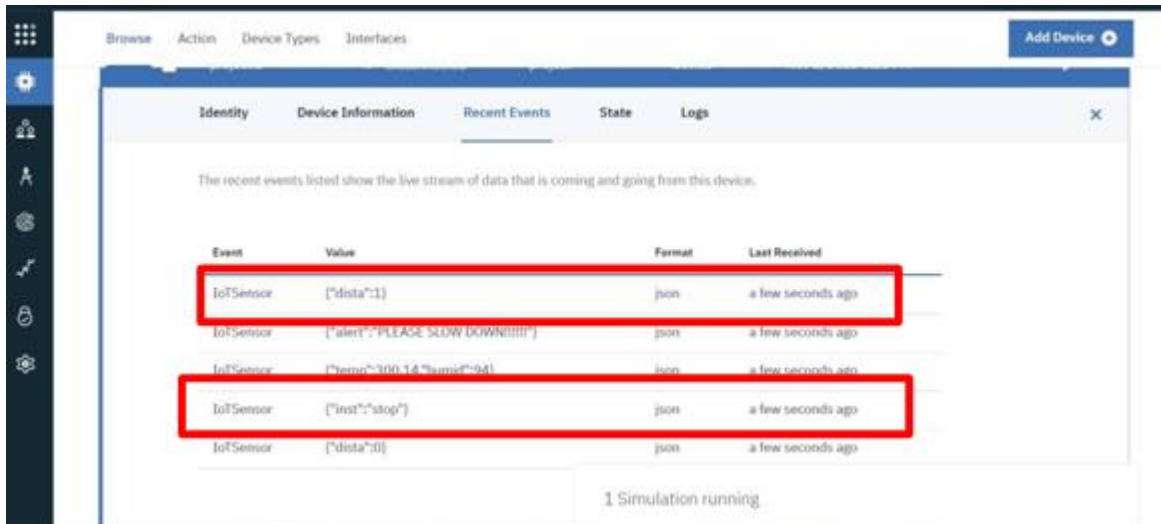
- In sprint-2, we have developed a python code using random function to generate random values for distance between user and the vehicle ahead.
- We have also implemented a condition such that, if distance is less than 20, then it displays a warning like “STOP”. The user can either try with different direction or can take diversion
- This helps in reducing accidents, to avoid clashes and to promote safe driving experience.

### **PYTHON CODE:**

```
dist=random.randint(0,50)
dis={'dista':dist}
```

```
if(dist<20):
    insta={'inst':'stop'}
```

## IBM IoT WATSON PLATFORM:

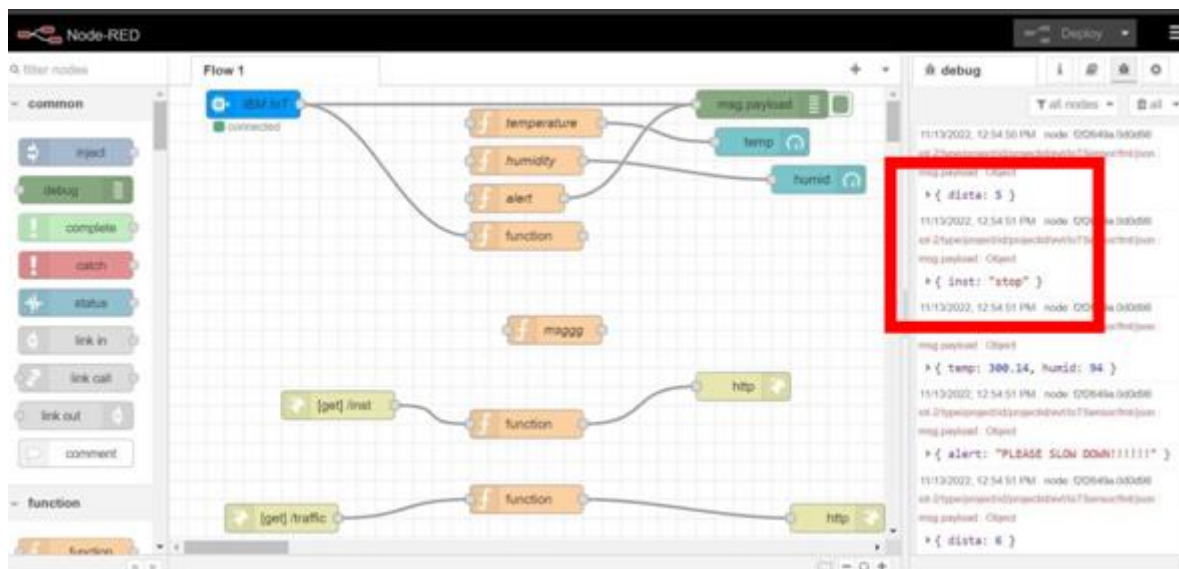


The screenshot shows the IBM IoT Watson Platform interface. The 'Recent Events' tab is selected, displaying a table of events. Two rows are highlighted with red rectangles: the first row shows an event with 'data' 1, and the second row shows an event with 'temp' 300.14 and 'humid' 94. The table has columns for Event, Value, Format, and Last Received. Below the table, it indicates '1 Simulation running'.

Event	Value	Format	Last Received
IoT Sensor	{"data":1}	json	a few seconds ago
IoT Sensor	{"alert":"PLEASE SLOW DOWN!!!!!!"}	json	a few seconds ago
IoT Sensor	{"temp":300.14,"humid":94}	json	a few seconds ago
IoT Sensor	{"inst":"stop"}	json	a few seconds ago
IoT Sensor	{"data":0}	json	a few seconds ago

1 Simulation running

## NODE-RED:



# MIT APP INVENTOR:

