Project Development PhaseSprint I

Date	13 November 2022
Team ID	PNT2022TMID45401
Project Name	Signs with Smart Connectivity for better road safety

SPRINT TARGETS:

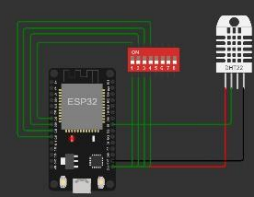| Sprint	Functional Requirement (Epic)	UserStory Number	UserStory /Task	Story Points	Priority	Team Members
Sprint-1	Dynamic Speed Limit	USN-1	As a traveller , It is Essential form to know the speed limit	10	High	Dinesh Aashiq Poonthamilan Samuvel
Sprint-1	Priority Vehicle	USN-2	Simulating the circuits and experimenting	2	High	Dinesh Aashiq Poonthamilan Samuvel
Sprint-1	Weather Speed Limit	USN-3	As a user ,I should be aware of weather influence on speed limit for safer ride		Medium	Dinesh Aashiq Poonthamilan Samuvel

Wokwi Simulation:

IoT Device – IoT Platform

	4571	● Connected	alert-device	Device

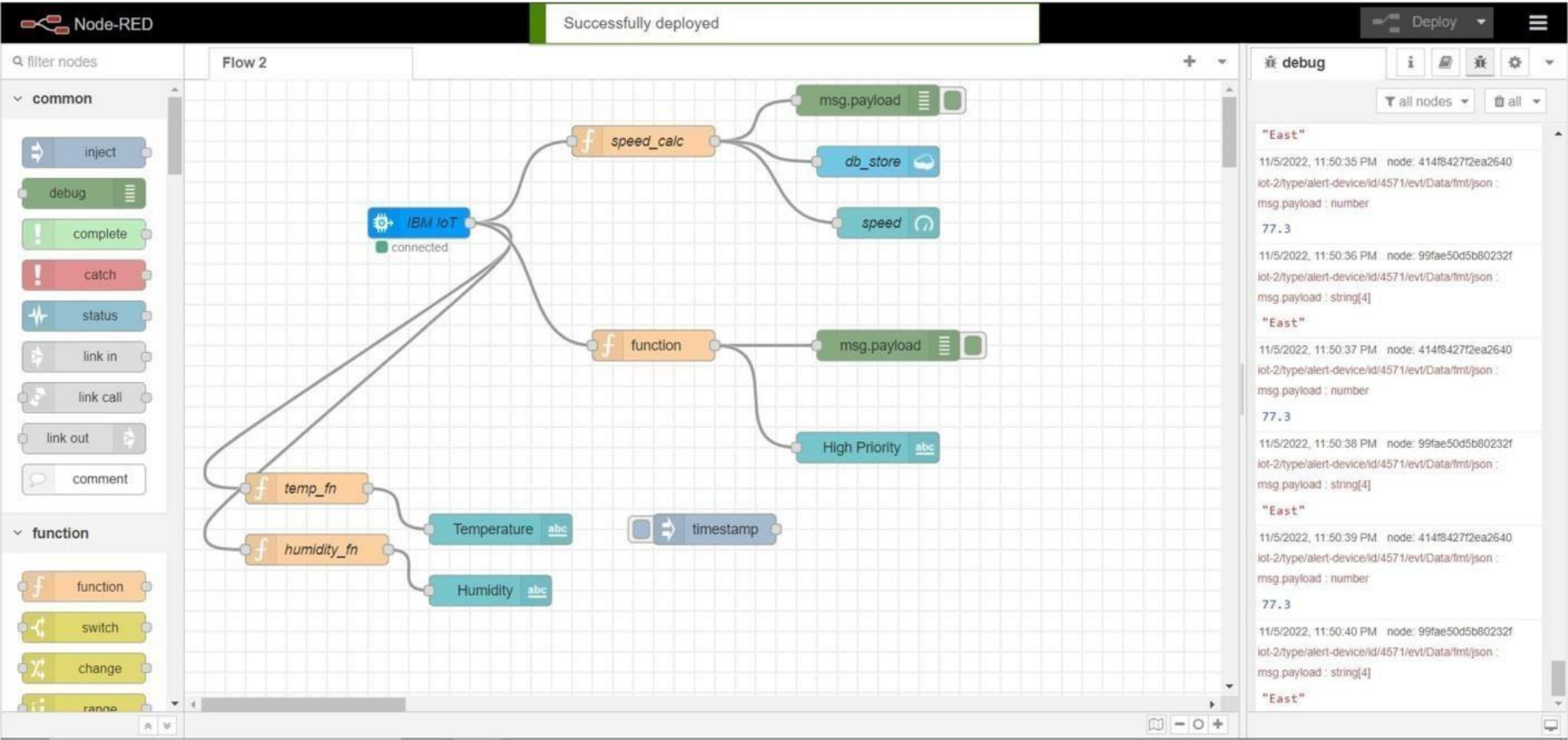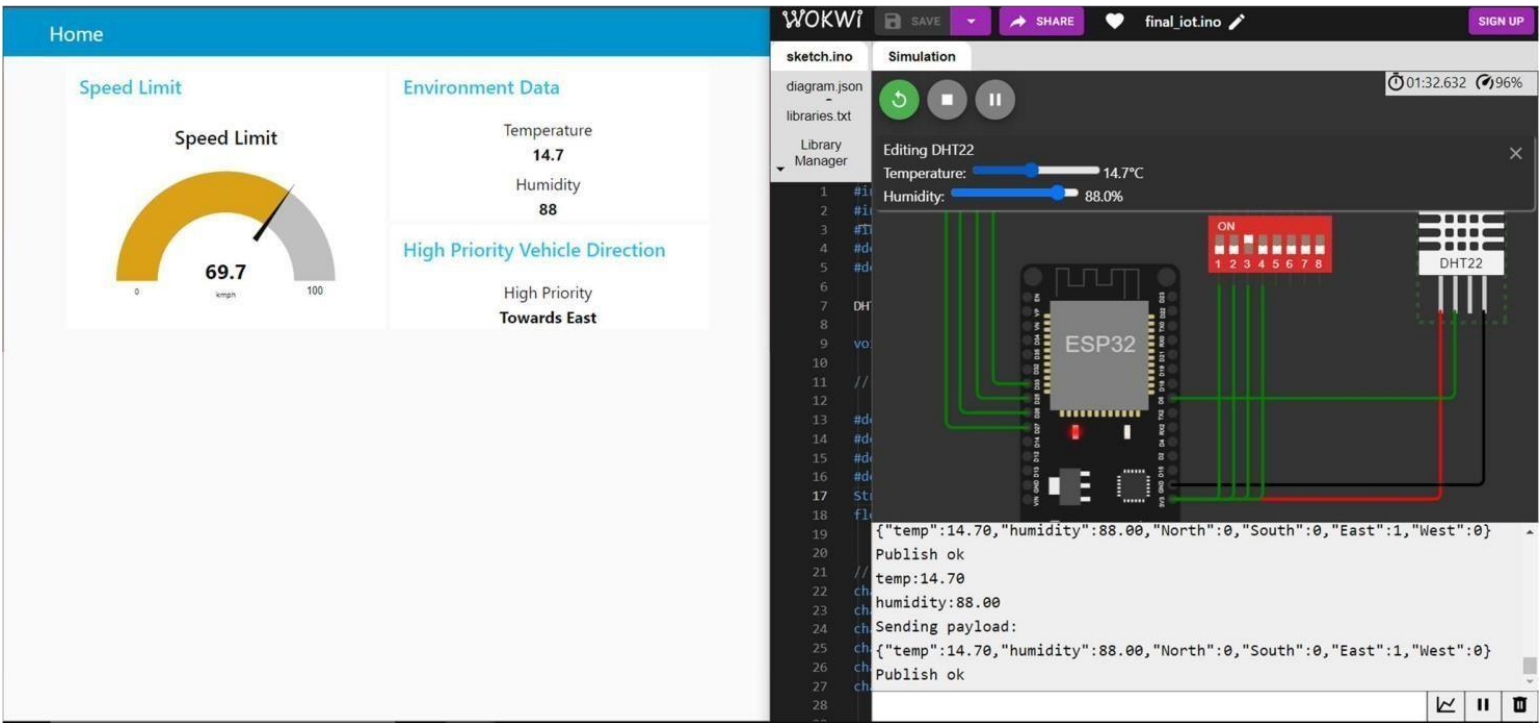**Identity**   **Device Information**   **Recent Events**   **State**   **Logs**

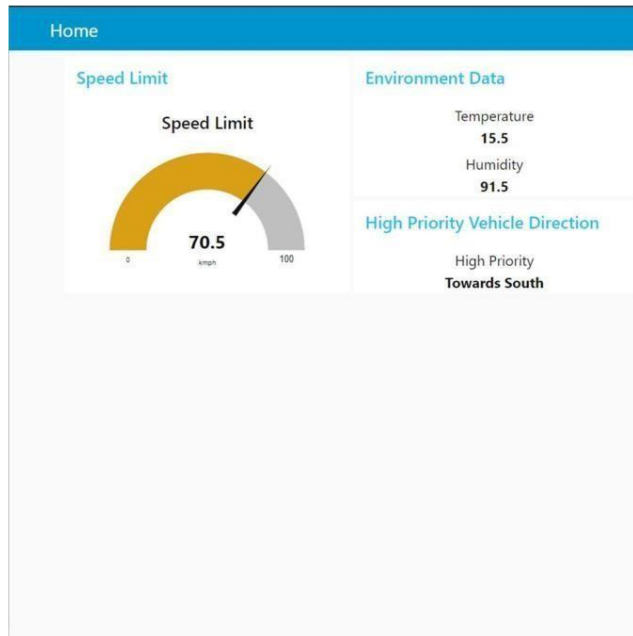The recent events listed show the live stream of data that is coming and going from this device.

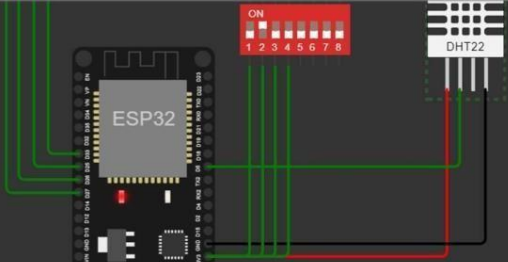| Event	Value	Format	Last Received
Data	{"temp":23.4,"humidity":63,"North":1,"South":0,...	json	a few seconds ago
Data	{"temp":23.4,"humidity":63,"North":1,"South":0,...	json	a few seconds ago
Data	{"temp":23.4,"humidity":63,"North":1,"South":0,...	json	a few seconds ago

Node Red

Node Red Web UI

Home

Speed Limit

Speed Limit

70.5

0   kmph   100

Environment Data

Temperature
15.5

Humidity
91.5

High Priority Vehicle Direction

High Priority
Towards South

WOKWI   SAVE   SHARE   ♥   final_iot.ino ✎   SIGN IN

sketch.ino | Simulation

diagram.json
libraries.txt
Library Manager

⏱ 02:23.068   91%

Editing DHT22   ✕
Temperature: ————————— 15.5°C
Humidity: ———————— 91.5%

ON
1 2 3 4 5 6 7 8

ESP32

DHT22

{"temp":15.50,"humidity":91.50,"North":0,"South":1,"East":0,"West":0}
Publish ok
temp:15.50
humidity:91.50
Sending payload:
{"temp":15.50,"humidity":91.50,"North":0,"South":1,"East":0,"West":0}
Publish ok

```
1  #i
2  #i
3  #T
4  #d
5  #d
6
7  DH
8
9  vo
10
11 //
12
13 #d
14 #d
15 #d
16 #d
17 St
18 fl
19
20 //
21
22 ch
23 ch
24 ch
25 ch
26 ch
27 ch
28
```

Cloudant Database