

Project Development Phase

Sprint I

Date	29 October 2022
Team ID	PNT2022TMID07704
Project Name	Signs with Smart Connectivity for better road safety

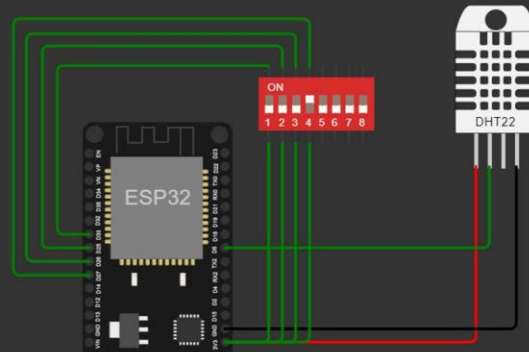
Sprint Targets

Sprint	Functional Requirement (Epic)	User Story Number	User Story/Task	Story Prints	Priority	Team Members
Sprint-1	Dynamic speed Limit	USN-1	As a <u>traveller</u> , It is essential <u>forme</u> to know the speed limit	10	High	<u>Arulkumar.A.Dharanidharan</u>
Sprint-1	Priority Vehicle	USN-2	As a <u>traveller</u> , I should be give way to priority vehicles	5	Low	<u>Rameshkumar.Abirami</u>
Sprint-1	Weather Speed Limit	USN-3	As a <u>user</u> , I should be aware of weather influence on speed limit for safer ride		Medium	<u>Rameshkumar.Abirami</u> <u>Arulkumar.A.Dharanidharan</u> <u>Priya.N</u>

Wokwi Simulation: <https://wokwi.com/projects/347494122536305235>

Simulation

```
humidity:63.00
Sending payload: {"temp":12.30,"humidity":63.00,"North":0,"South":0,"East":0,"West":1}
Publish ok
temp:12.30
humidity:63.00
Sending payload: {"temp":12.30,"humidity":63.00,"North":0,"South":0,"East":0,"West":1}
Publish ok
```



IoT Device – IoT Platform

4571

Connected

alert-device

Device

Oct 23, 2022 9:31 PM

Identity

Device Information

Recent Events

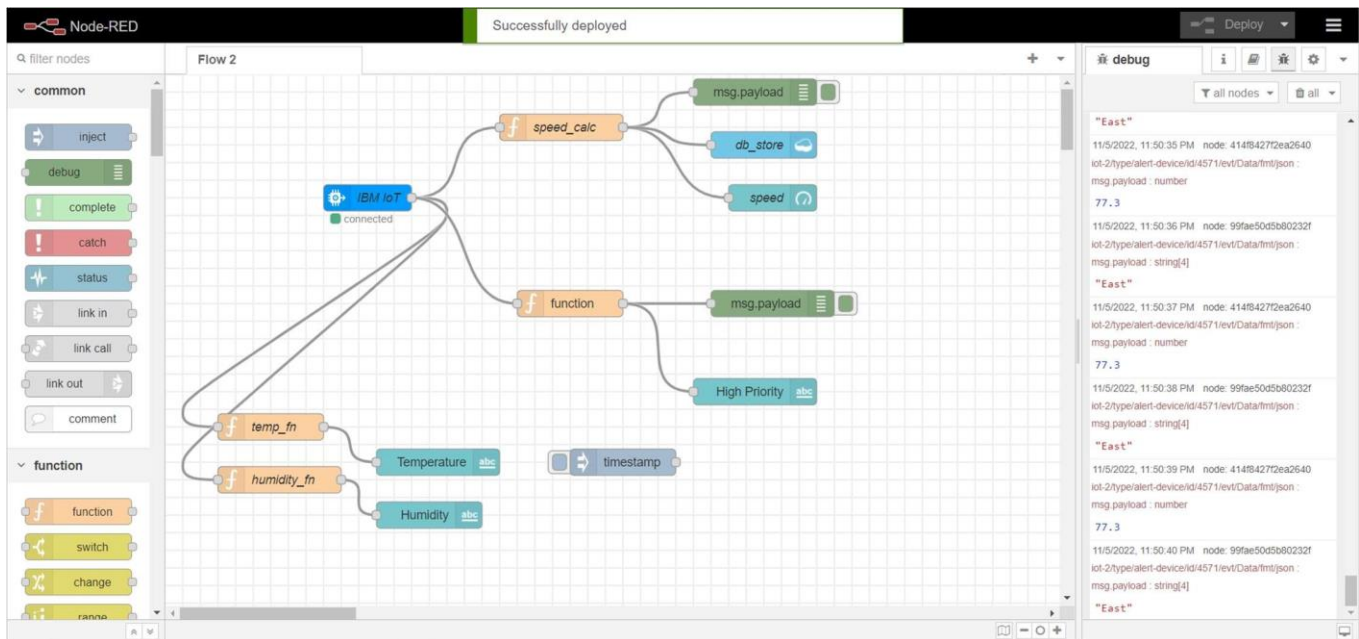
State

Logs

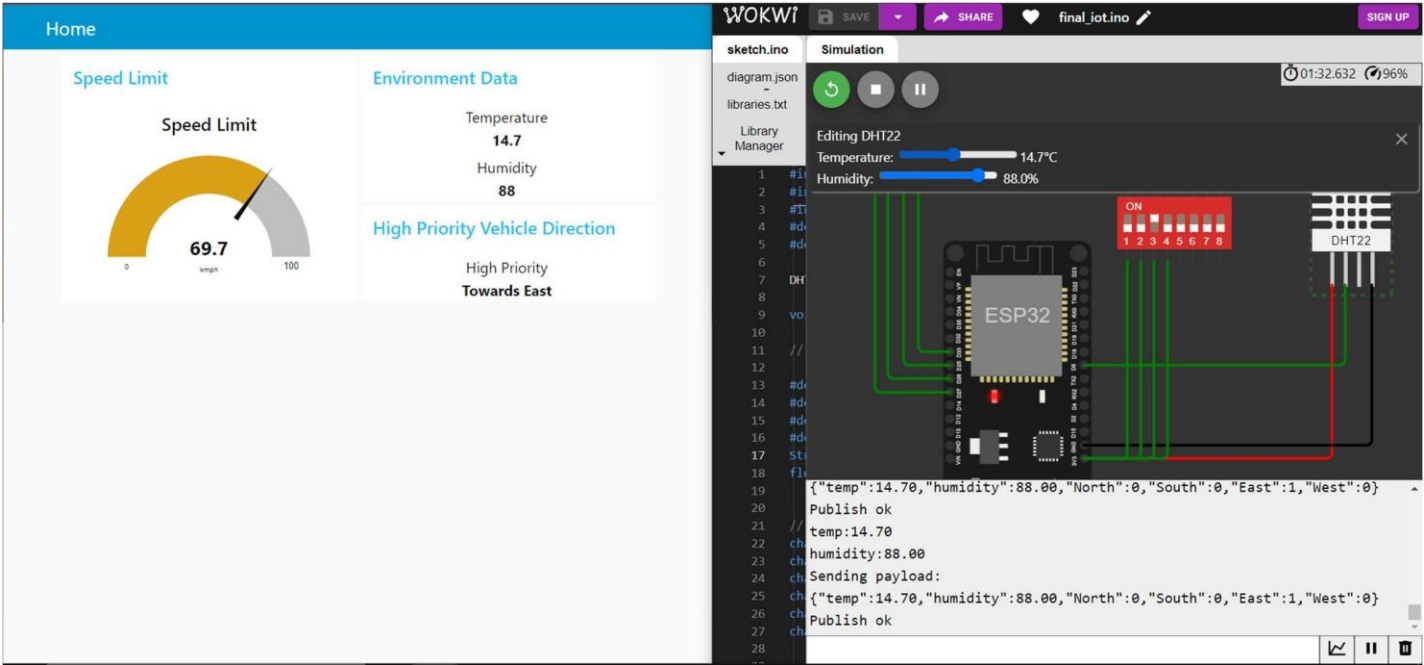
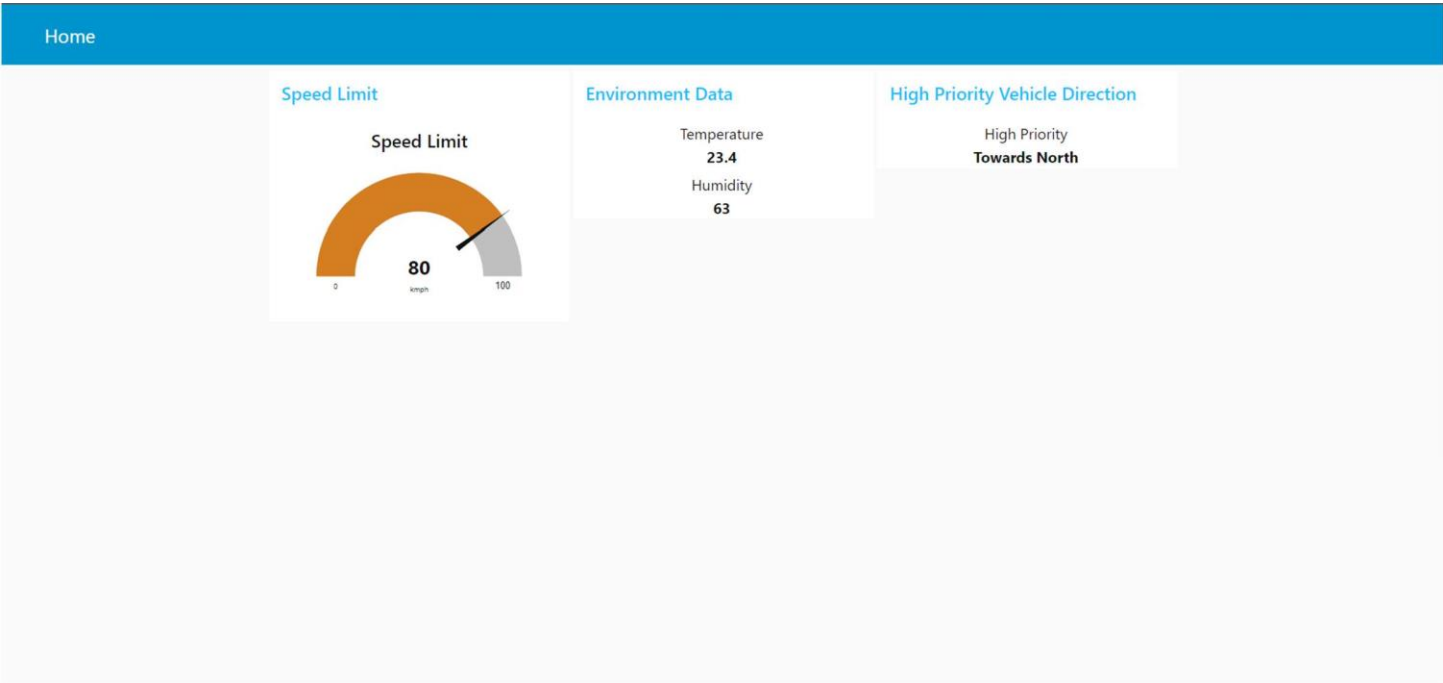
The recent events listed show the live stream of data that is coming and going from this device.

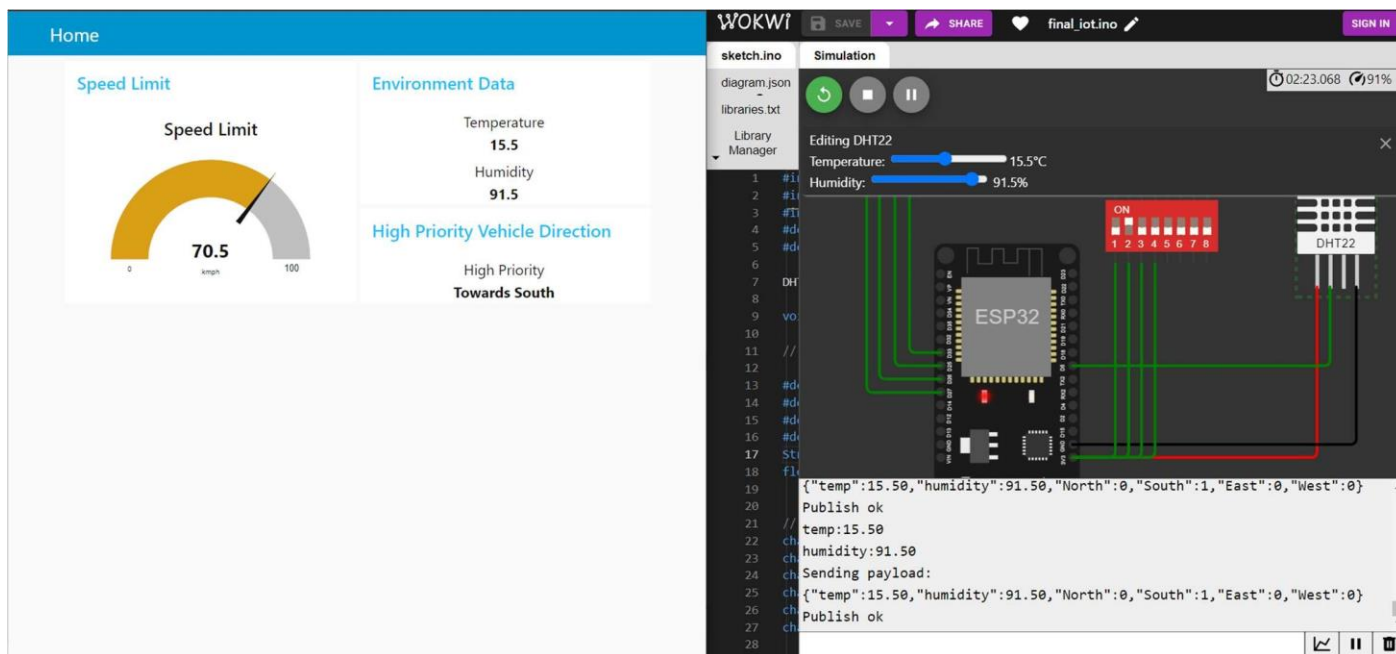
Event	Value	Format	Last Received
Data	{"temp":23.4,"humidity":63,"North":1,"South":0,...	json	a few seconds ago
Data	{"temp":23.4,"humidity":63,"North":1,"South":0,...	json	a few seconds ago
Data	{"temp":23.4,"humidity":63,"North":1,"South":0,...	json	a few seconds ago

Node Red



Node Red Web UI





Cloudant Database

The image shows the Cloudant Database interface for a database named 'data_iot'. The interface includes a sidebar with navigation options: All Documents, Query, Permissions, Changes, and Design Documents. The main area displays a table of documents with columns for '_id' and 'payload'. The table contains 20 documents, each with a unique ID and a numerical payload value. The 'Create Document' button is visible in the top right corner.

_id	payload
060cc88d44faf11288e9cdfd7d8de45a	35
060cc88d44faf11288e9cdfd7d904e58	60
060cc88d44faf11288e9cdfd7d90c3f9	45.5
060cc88d44faf11288e9cdfd7d92a313	60
2314e7571ab592536e082f191bb2c9c	52.5
26939bb99e5c84bed4f6a20342a22ab2	35
26939bb99e5c84bed4f6a20342a7ccd5	44
3ffa1240575d0cd0d7f848833802e389	55
48a3afbcf5f840466e09ed279d3c3451	53
48a3afbcf5f840466e09ed279d3c5b7c	53
48a3afbcf5f840466e09ed279d3c9545	53
52730057f2d5fde2d21dfaaaabc10dc8	55

Showing 2 of 3 columns. ☐ Show all columns. Showing document 1 - 20. Documents per page: 20