SPRINT 1

Date	14 November 2022
Team ID	PNT2022TMID20032
Project Name	Project – Signs with Smart Connectivity for Better Road Safety

Wokwi Simulation: Adhifinal_iot.ino - Wokwi Arduino and ESP32 Simulator

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
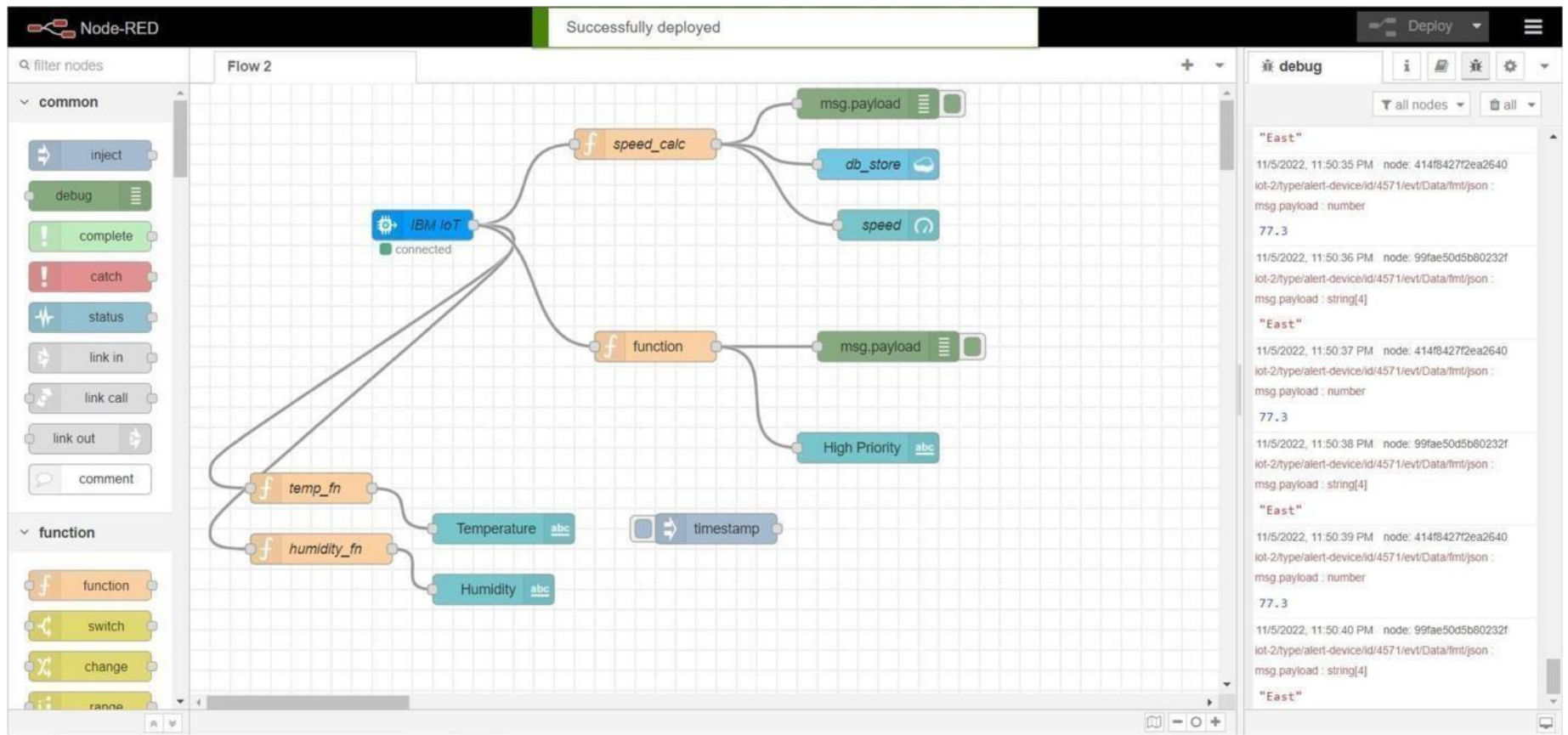
Node Red Web UI

Home

Speed Limit

Speed Limit

0   100

69.7

kmph

Environment Data

Temperature
14.7

Humidity
88

High Priority Vehicle Direction

High Priority
Towards East

WOKWi   SAVE   SHARE   final_iot.ino   SIGN UP

sketch.ino | Simulation

diagram.json

libraries.txt

Library Manager

01:32.632 96%

Editing DHT22   ✕
Temperature: ━━━━●━━━ 14.7°C
Humidity: ━━━━━━●━ 88.0%

ON
1 2 3 4 5 6 7 8
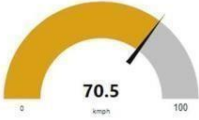
DHT22

ESP32

```
1   #i
2   #i
3   #I
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
```

{"temp":14.70,"humidity":88.00,"North":0,"South":0,"East":1,"West":0}
Publish ok
temp:14.70
humidity:88.00
Sending payload:
{"temp":14.70,"humidity":88.00,"North":0,"South":0,"East":1,"West":0}
Publish ok

Home

Speed Limit

Speed Limit

70.5

kmph

0   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

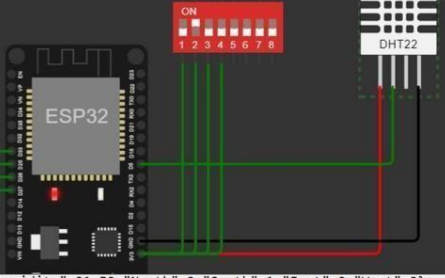sketch.ino   Simulation

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

DHT22

ESP32

{"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

Cloudant Database

data_iot

All Documents

Query

Permissions

Changes

Design Documents

Document ID

Options   { } JSON

Table   Metadata   { } JSON

Create Document

_id	payload
060cc88d44faf11288e9cdfd7d8de45a	35
060cc88d44faf11288e9cdfd7d904e58	60
060cc88d44faf11288e9cdfd7d90c3f9	45.5
060cc88d44faf11288e9cdfd7d92a313	60
2314e7571ab5925365e082f191bb2c9c	52.5
26939bb99e5c84bed4f6a20342a22ab2	35
26939bb99e5c84bed4f6a20342a7ccd5	44
3ffa1240575d0cd0d7f848833802e389	55
48a3afbcf5f840466e09ed279d3c3451	53
48a3afbcf5f840466e09ed279d3c5b7c	53
48a3afbcf5f840466e09ed279d3c9545	53
52730057f2d5fde2d21dfaaaabc10dc8	55

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Log Out