

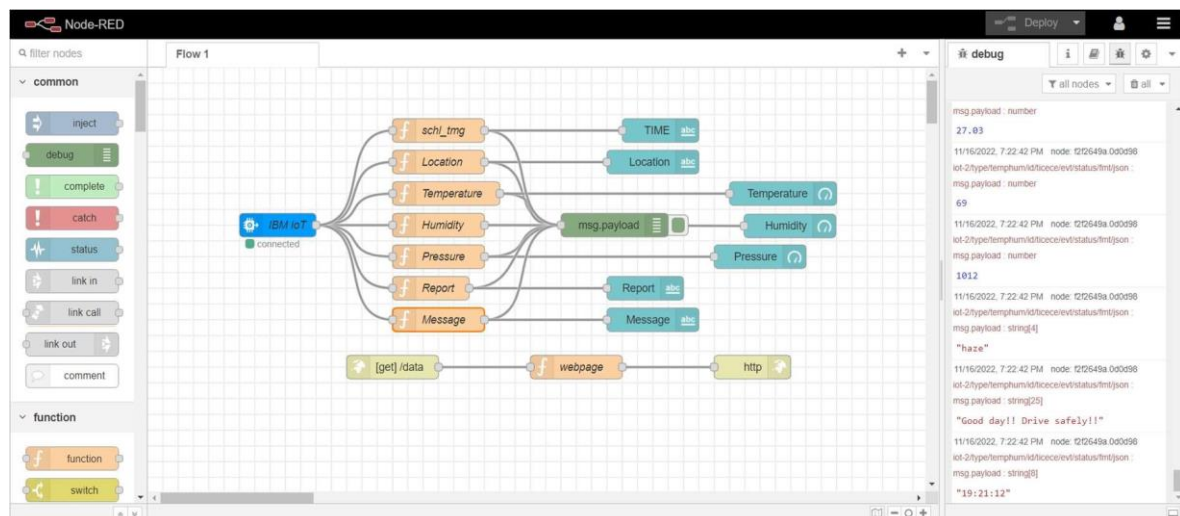
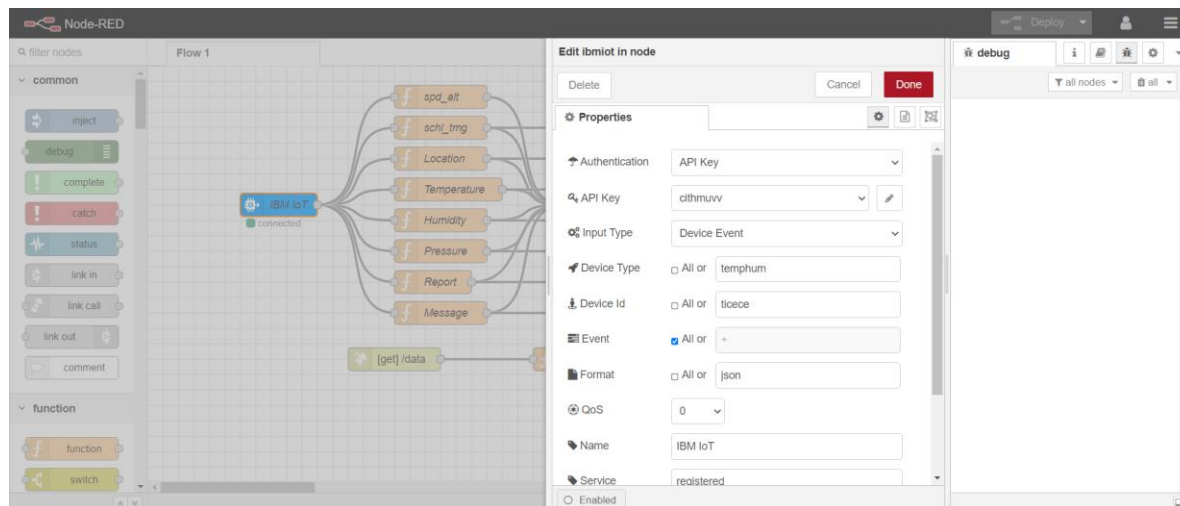
Sprint –4

UI/UX optimization and debugging

Team ID	PNT2022TMID52873
Project Name	Project - Signs with smart connectivity for Better road safety

Optimize the hardware and software based on the error and precision of the observed output and make the system efficient.

NODE RED:



Flow 1

IBM IoT
connected

spd
schl
Loc
Tem
Hum
Pres
Rep
Mes

Edit function node

Delete Cancel Done

Properties

Name schl_tmg

Setup On Start On Message On Stop

```
1 global.set('schl_tmg',msg.payload.schl_tmg)
2 msg.payload = msg.payload.schl_tmg
3 return msg;
```

Node-RED

filter nodes

Flow 1

common

- inject
- debug
- complete
- catch
- status
- link in
- link call
- link out
- comment

function

- function
- switch

IBM IoT
connected

spd_alt
schl_tmg
Location
Temperature
Humidity
Pressure
Report
Message

[get] /data

Edit http in node

Delete Cancel Done

Properties

Method GET

URL /data

Name Name

Enabled

<https://node-red-fjaeq-2022-11-12.eu-gb.mybluemix.net/red/#editor-tab-properties>

Node-RED

filter nodes

Flow 1

common

- inject
- debug
- complete
- catch
- status
- link in
- link call
- link out
- comment

function

- function
- switch

IBM IoT
connected

spd
schl
Loc
Tem
Hum
Pres
Rep
Mes

[get] /data

Edit function node

Delete Cancel Done

Properties

Name webpage

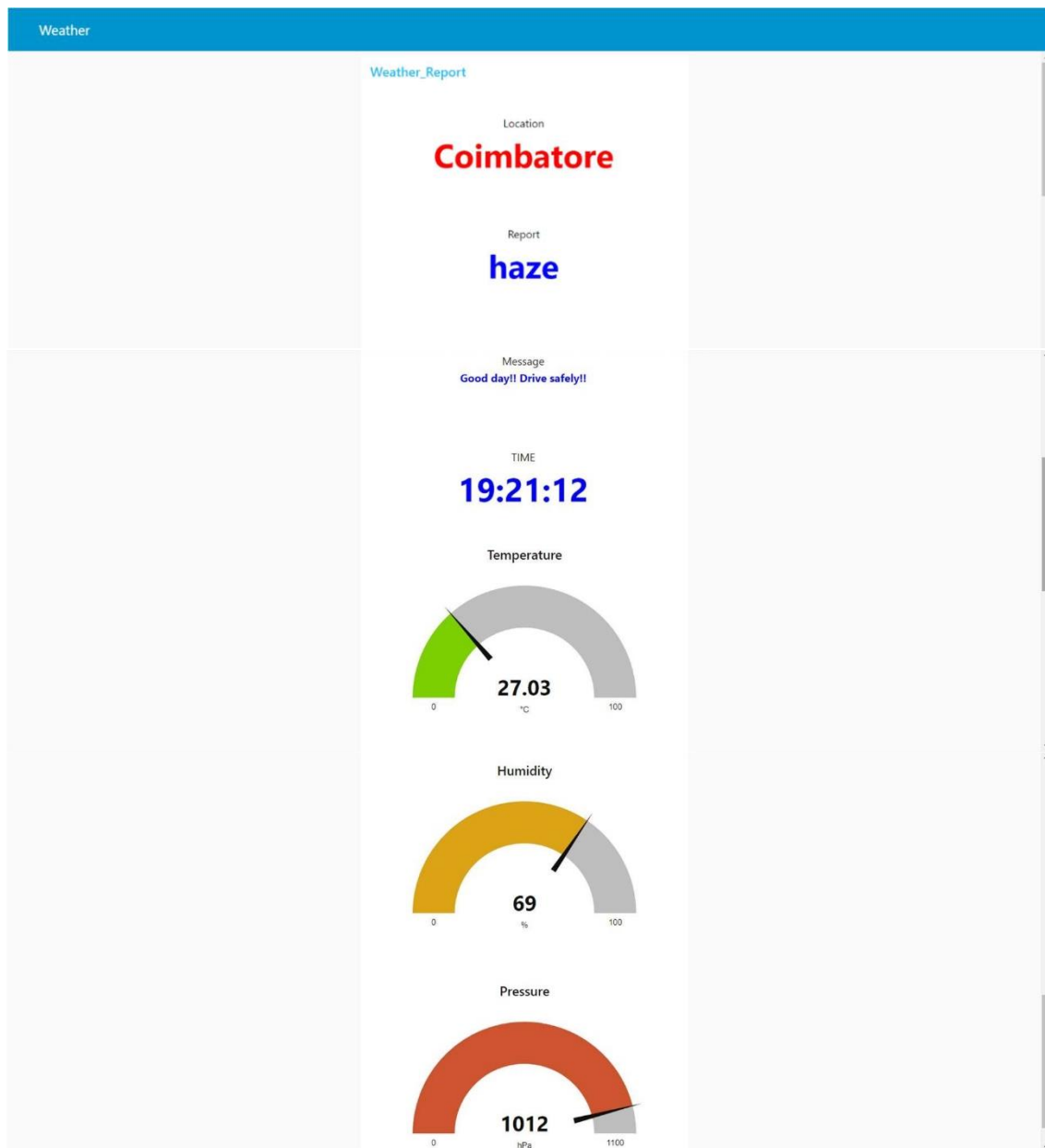
Setup On Start On Message On Stop

```
1 msg.payload = {'location':global.get("location"),'temperature':global.get("temperature")}
2 return msg;
```

NODE RED DATA: <https://node-red-fjaeq-2022-11-12.eu-gb.mybluemix.net/data>



NODE RED UI DASHBOARD: <https://node-red-fjaeq-2022-11-12.eu-gb.mybluemix.net/ui/#!/0?socketid=pJKB9t1mj4LsnhxKAABl>



MIT APP:

Screen1

CIT IBM IOT

***SMART SIGN
BOARD***

***SCHOOL
TIMING GO
SLOW SPEED
LIMIT: 15Kmph***

***CLOUDY
DAY :)***

***GO @ <
15Kmph!!!***

SMART SIGN BOARD

**SCHOOL
TIMING GO
SLOW SPEED
LIMIT: 15Kmph**

**CLOUDY
DAY :)**

**GO @ <
15Kmph!!!**

Weather Report

13:30:57



3.00

KB/S

Vo

LTE

4G



69

Screen1

Location

Coimbatore

Weather

haze

Temperature

29.03 °C

Pressure

1011 hPa

Humidity

45 %

BACK

13:31:30



5.00 KB/S LTE 4G 69

Screen1

CIT IBM IOT

***SMART SIGN
BOARD***

13:31:28

***CLOUDY
DAY :)***

***GO @ <
60Kmph!!!***

Weather Report