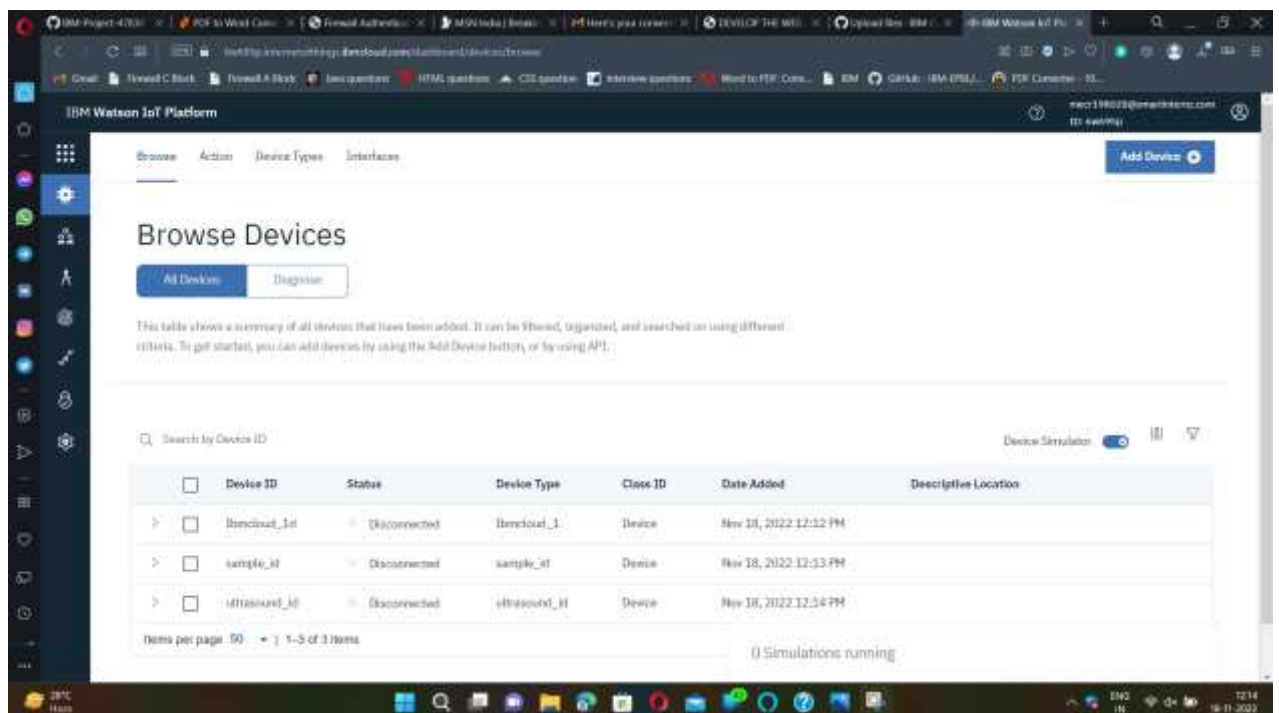


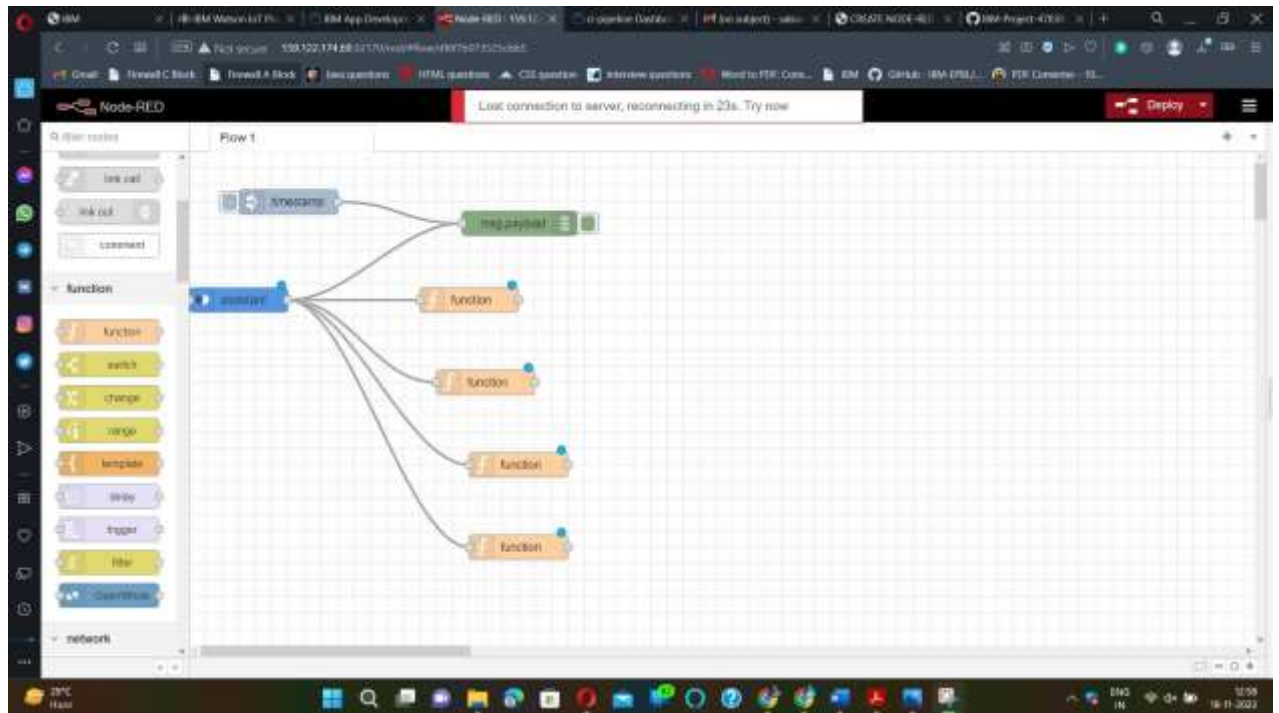
Sprint-2

Date	04 November 2022
Team ID	PNT2022TMID19258
Project Name	Signs with smart connectivity for better safety.

Sending data to cloud:



Node red services:



Edit function node

Delete

Cancel

Done

Properties

Name

speed

Setup

On Start

On Message

On Stop

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

Edit function node

Delete

Cancel

Done

⚙ Properties

⚙

📄

🖨

🔍 Name

Avoid traffic

📄

⚙ Setup

On Start

On Message

On Stop

1 var R1=msg.payload.Road1;

2 var R2=msg.payload.Road2;

3 var R3=msg.payload.Road3;

4 var R4=msg.payload.Road4;

5

6 Avoid_traffic=Math.min(R1, R2, R3, R4);

7 store="-";

8 switch (Avoid_traffic) {

9 case R1 : store="R1";

10 break;

11 case R2 : store="R2";

12 break;

13 case R3 : store="R3";

14 break;

15 case R4 : store="R4";

16 break;

17 }

18 msg.payload=msg.payload.store;

19 global.set('store',msg.payload);

20 return msg;

21

Edit function node

Delete

Cancel

Done

⚙ Properties

⚙

📄

🖨

🔍 Name

Temperature Node

📄

⚙ Setup

On Start

On Message

On Stop

1 msg.payload=msg.payload.Temperature

2 global.set('t',msg.payload)

3 return msg;

Edit function node

Delete

Cancel

Done

⚙ Properties



📌 Name

Humidity Node



⚙ Setup

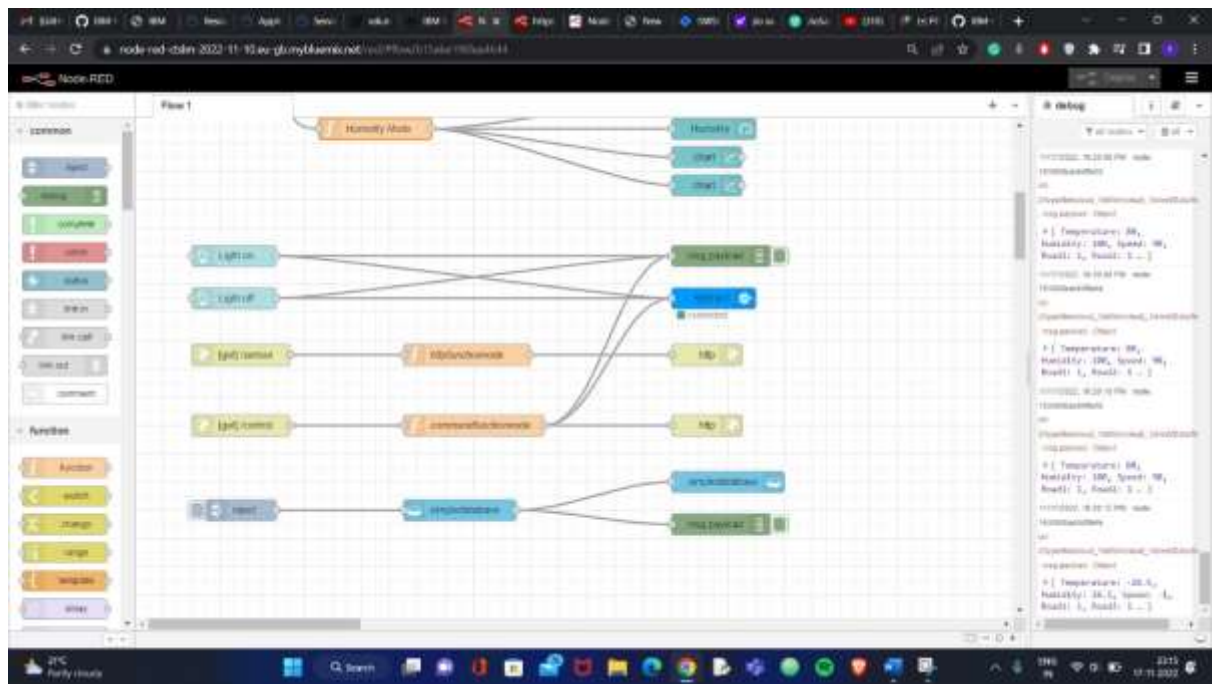
On Start

On Message

On Stop

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





Edit button node

Delete

Cancel

Done

Properties

Group

[control] Controls

Size

auto

Icon

optional icon

Label

Light on

Tooltip

optional tooltip

Color

white

Background

optional background color

☒ When clicked, send:

Payload

{ "command": "light on" }

Topic

msg. topic

→ If msg arrives on input, emulate a button click: ☐

</> Class

Optional CSS class name(s) for widget

Name

Name

☐ Enabled

Edit button node

Delete

Cancel

Done

Properties



Group [control] Controls

Size auto

Icon optional icon

Label Light off

Tooltip optional tooltip

Color white

Background optional background color

When clicked, send:

Payload {} {"command": "light off"}

Topic msg. topic

→ If msg arrives on input, emulate a button click: ☐

Class Optional CSS class name(s) for widget

Name Name

Edit http in node

Delete

Cancel

Done

Properties

Method

GET

URL

/sensor

Name

Name

Edit function node

Delete

Cancel

Done

Properties

Name

httpfunctionnode

Setup

On Start

On Message

On Stop

```
1 msg.payload={
2   "Temp":global.get ('t'),
3   "Humid":global.get ('h'),
4   "Speed":global.get('speed'),
5   "store":global.set('store'),
6 }
7
8 return msg;
```

Edit http in node

Delete

Cancel

Done

⚙ Properties

☰ Method

GET

🌐 URL

/control

📌 Name

Name

Edit function node

Delete

Cancel

Done

⚙ Properties

📌 Name

commandfunctionnode

⚙ Setup

On Start

On Message

On Stop

```
1 msg.payload=msg.payload.command  
2 return msg;
```