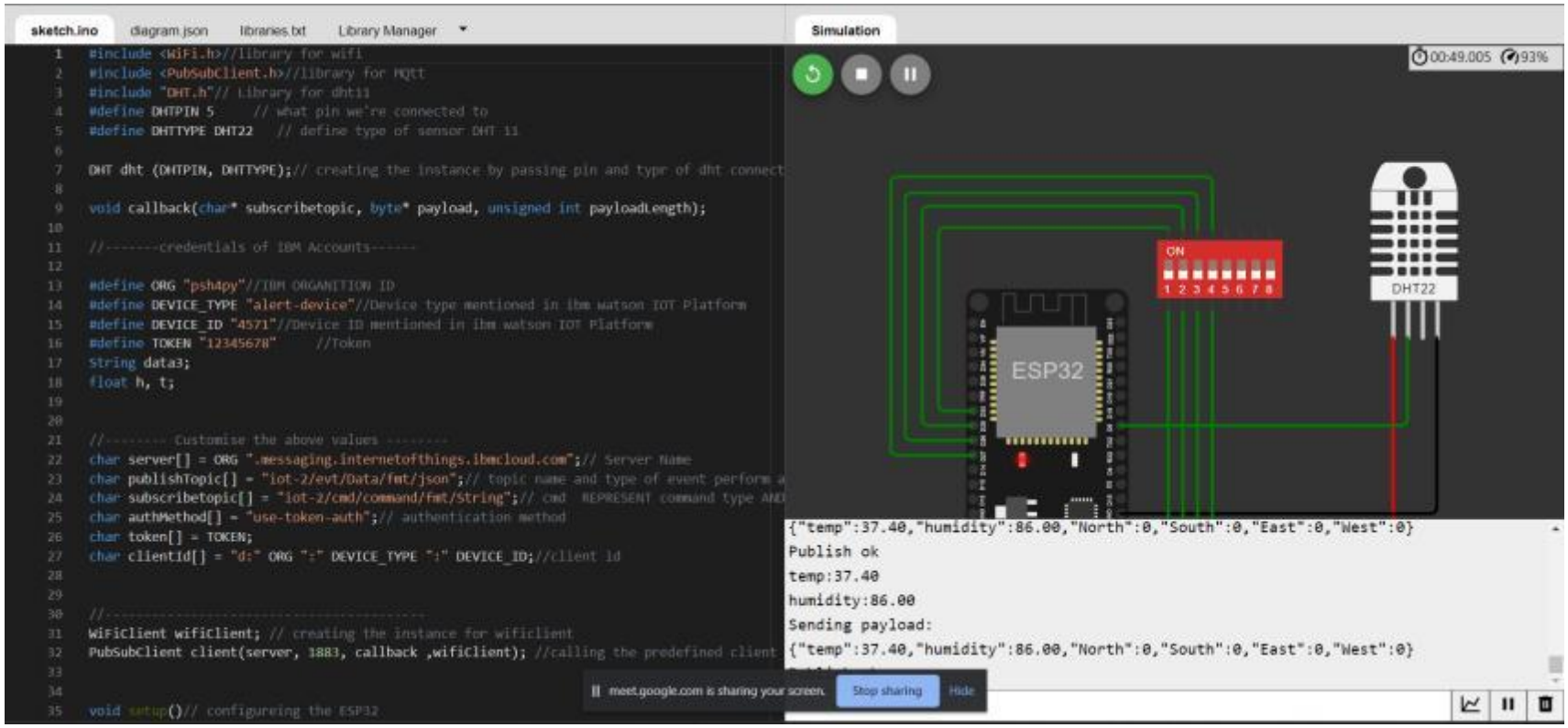
Project Development Phase

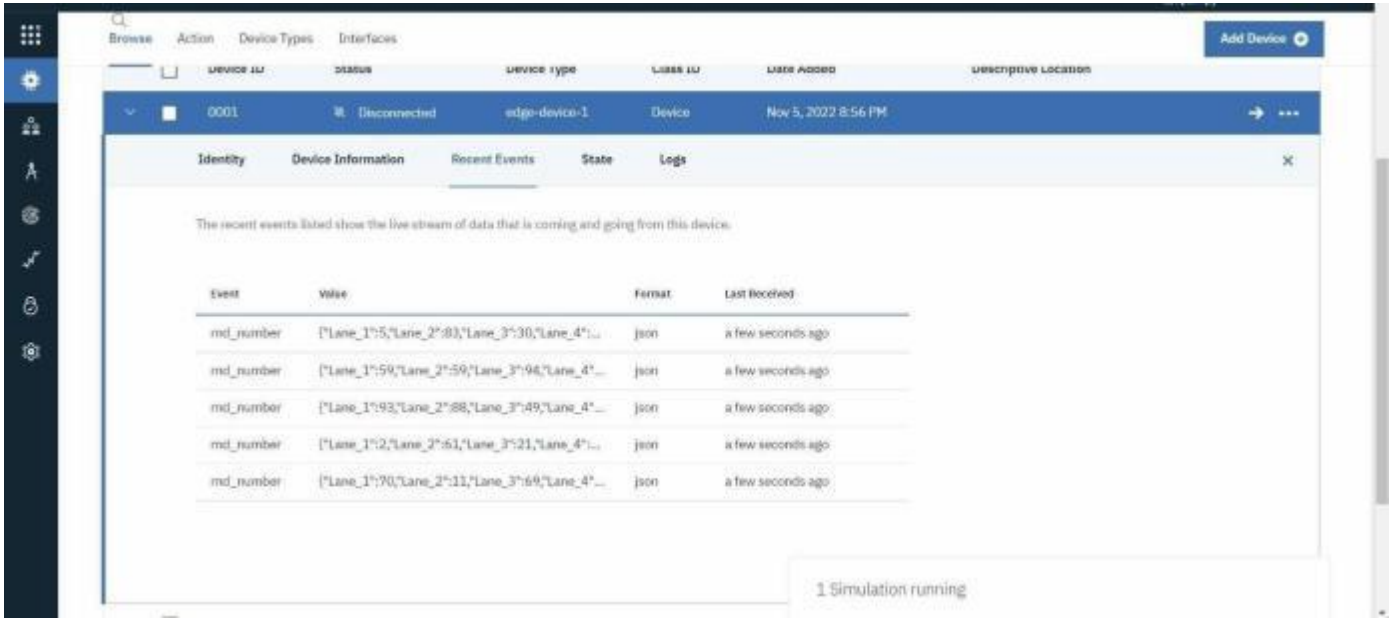
Sprint-3: MIT App Design and Testing

Date	16/11/2022
Team ID	PNT2022TMID54446
Project Name	Project - Signs with Smart Connectivity for Better Road Safety
Maximum Marks	8 Marks

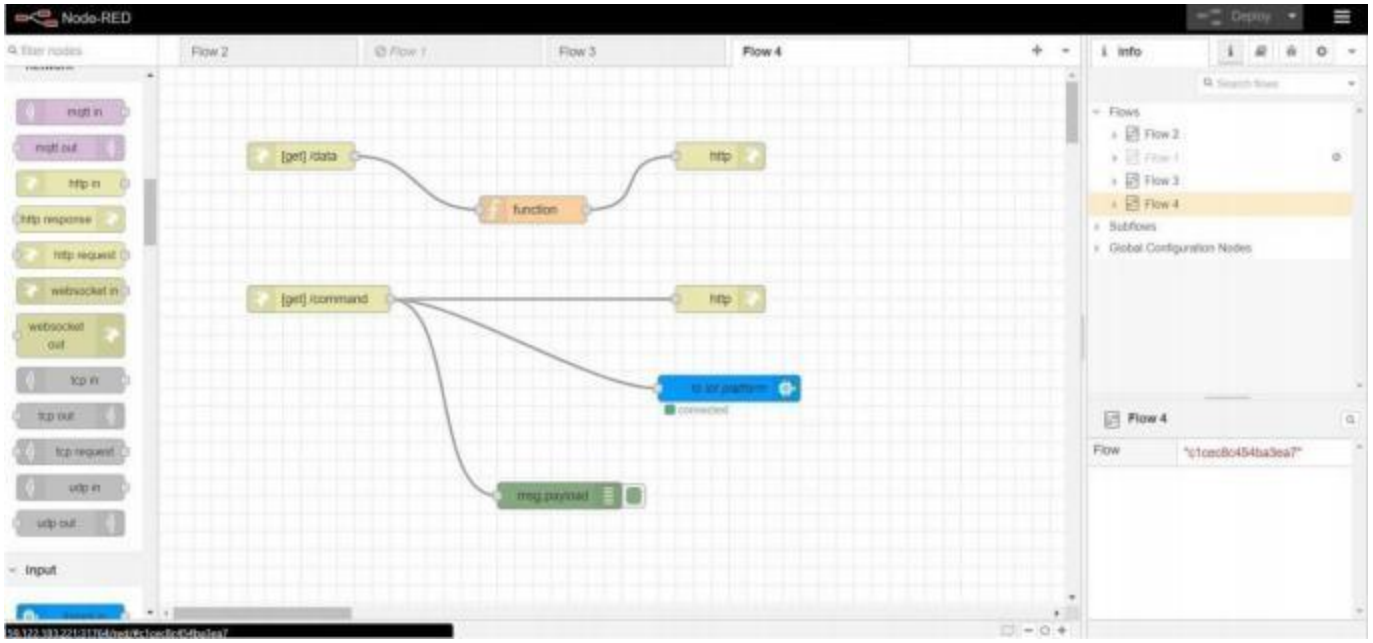
Wokwi Simulation:



IoT Device - IoT Platform



Node Red - Connect with MIT AppInventor



Edit function node

Delete Cancel

O Properties

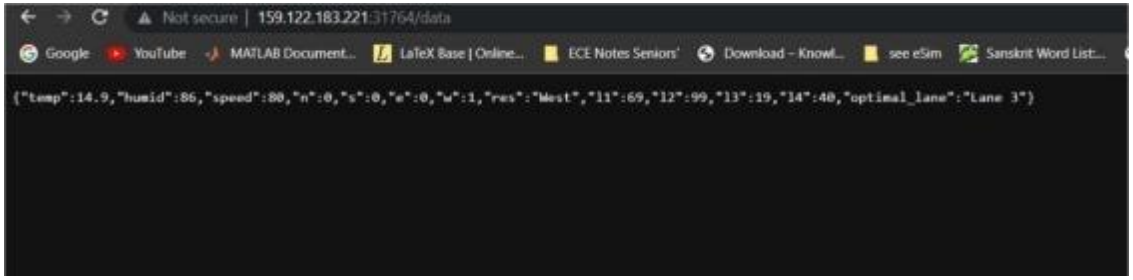
'g• Name Name

O Setup On Start On Message On Stop

```
• msg. payload = {
2         "temp" :globa 1. get ( "temp" ) ,
3         "humid":global.get(”humid"),
p    "speed”:global.get(”speed"),
s         "n" : global . get (”n”),
6         "s " : g1obal . get (”s"),
7         "e ” : global . get ( "e" ) ,
8         "w" : global . get ( "w" ) ,
g         ”res ” : global . get (” res ” ) ,
16        ”11” : globa1. get ( ”l1 ” ) ,
tt        ” 12 ” : global . get( ” 12 ” )
12        "13 " :globa1. get ( "13 "),
```

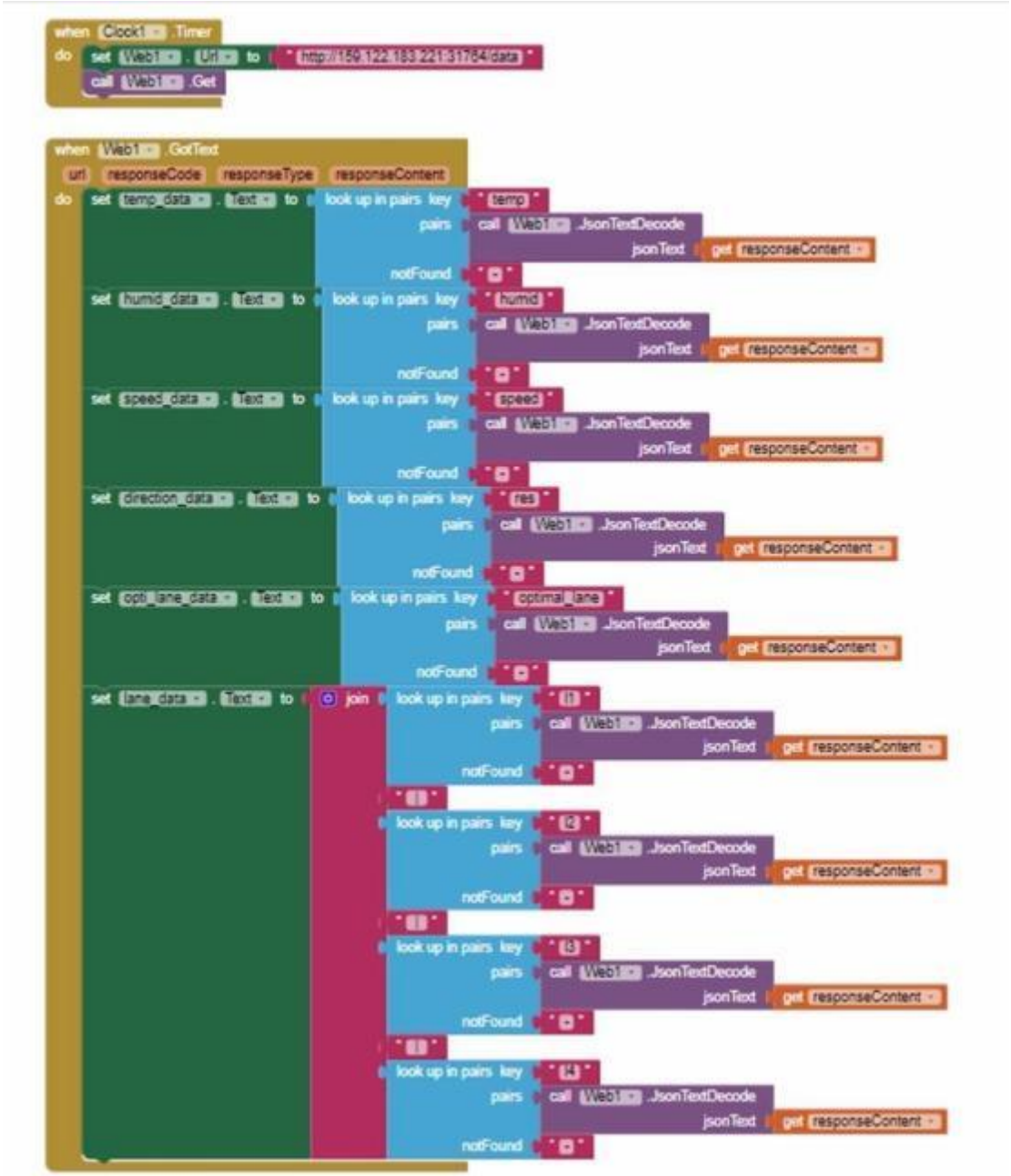
```
13          "14" : glOba1 . get ( "14" ) ,
t4          "opt ima l  l ane" :global . get ( "opt inal  Jane" )
15
16’ };
17
ig   return msg;
```

Output from Node red:



MIT App Inventor UI design:

MIT App Inventor Backend design:



Sprint 3 delivery:

(OUTPUT) Display from MIT App: