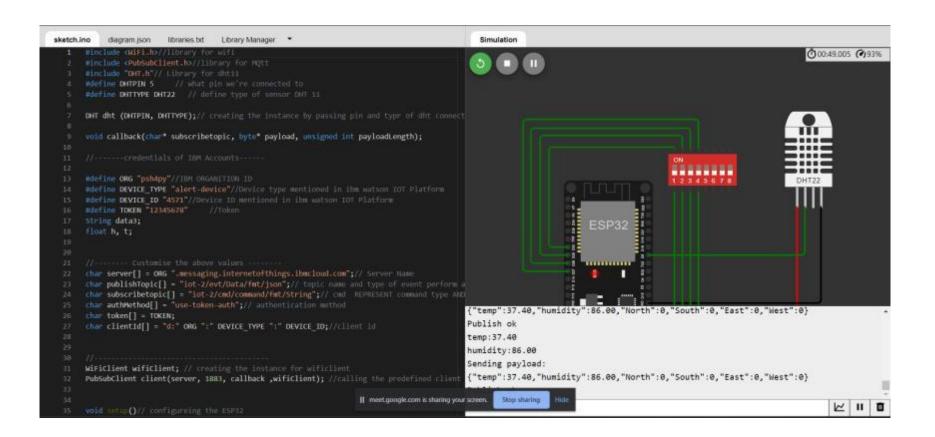
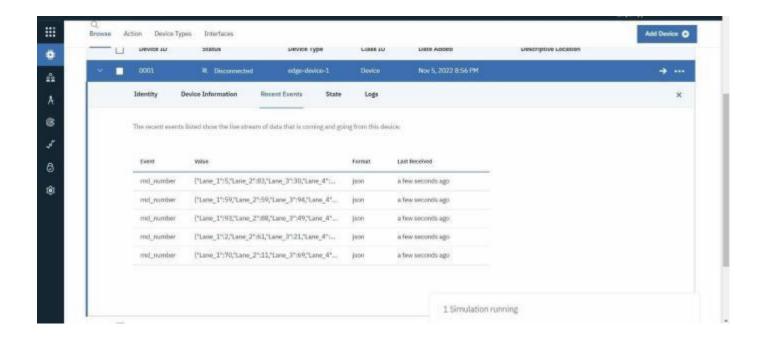
Project Development Phase Sprint-3: MIT App Design and Testing

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

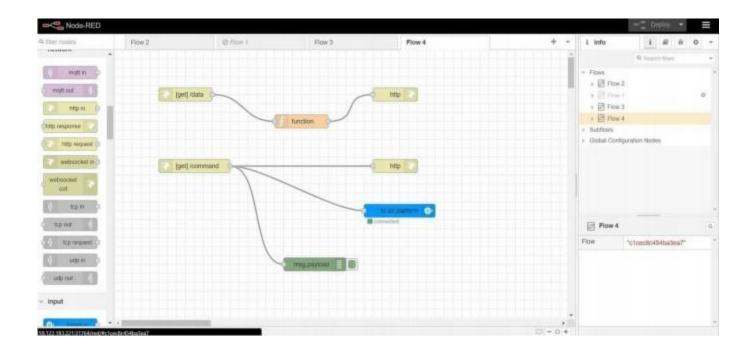
Wokwi Simulation:



IoT Device - IoT Platform



Node Red - Connect with MIT AppInventor



Edit function node Delete Cancel O Properties 'g• Name B) = Name On Start O Setup On Message On Stop • msg. payload = {

```
2
         "temp" :globa 1. get ( "temp" ),
 3
         "humid":global.get("humid"),
     "speed":global.get("speed"),
 р
        "n": global.get ("n"),
 S
 6
         "s": g1obal.get ("s"),
         "e": global . get ("e"),
 7
 8
         "w": global.get("w"),
         "res": global.get(" res"),
 g
16
         "11": globa1.get("11"),
        "12": global.get("12")
tt
12
         "13":globa1.get("13"),
```

```
"14":glOba1.get("14"),
t4     "optimal lane":global.get("optinal Jane")

15
16' };
17
ig return msg;
```

Output from Node red:

```
← → C A Not secure | 159.122.183.221.31764/data

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**Temp*:14.9, "humid*:86, "speed*:88, "n*:0, "s*:0, "s*:0, "w*:1, "res*: "Nest*, "11*:69, "12*:99, "13*:19, "14*:48, "optimal_lane*: "Lane 3*)
```

MIT App Inventor UI design:



```
en Clockt ... Timer
  set (M2580) . (A) 80 to | ** (A) 00/45/08/24/35/24/35/164/60/2
   call Wibite Get
hen Webling Golfest
url responseCode responseType responseContent
set (templification . (texture) to ( look up in pairs key (templification)
                                            pairs call West San Jeon Text Decode
                                                                               responseContent -
                                                   . .
   set (NUMS) (SEE 10) . BESSED to look up in pairs key 1 (1200)
                                            pairs call William JsonTextDecode
                                                                                responseContent -
                                                    .0.
   set Scott Course . (Course to | look up in pairs key | Course
                                            pairs call Webittl JsonTextDecode
                                                                                responseContent +
                                         notFound
   set (controllers and a finish to a book up in pairs key (188)
                                              pairs call (Wei-182) .JsonTextDecode
                                                                                  responseContent -
                                          notFound " C"
   set COMMERCEGATION . MEDIUM to 1 look up in pairs key continue lane
                                              pairs call WTS III JsonTextDecode
                                                                         sonText get responseContent v
                                           notificand """
   set (PERMITTED . (ECCHE) to O join ( look up in pairs key ( * ()) *
                                                    pairs call (Web1923 ... JsonTextDecode
                                                                               sonText per responseContent ·
                                                 look up in pairs key
                                                    pairs call WCCIES .JsonTextDecode
                                                                               jour Text por responseContent :
                                                notFound " " " "
                                        look up in pairs key (* (5)*
                                                   pairs call (Web 80) "IsonTextDecode
                                                                               isonText pm responseContent =
                                        look up in pairs key
                                                    pairs call (Vei) Jan JsonTextDecode
                                                                                        responseContent -
                                                 notFound
```

Sprint 3 delivery:

(OUTPUT) Display from MIT App:

