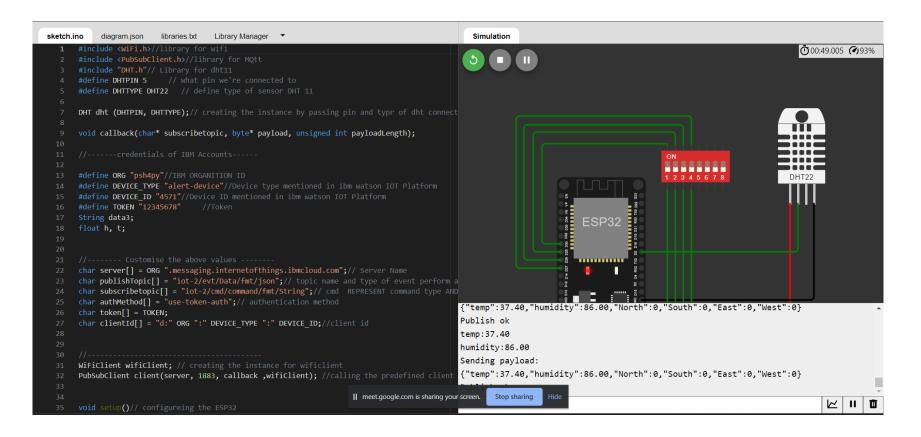
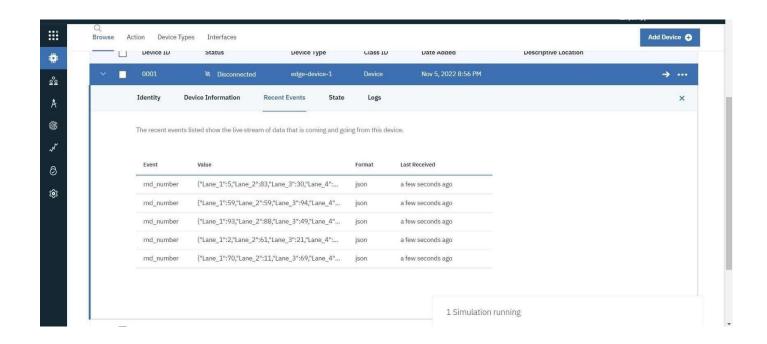
# Project Development Phase Sprint-3: MIT App Design and Testing

Date	16/11/2022
Team ID	PNT2022TMID29476
Project Name	Project – Signs with Smart Connectivity for Better Road Safety
Maximum Marks	8 Marks

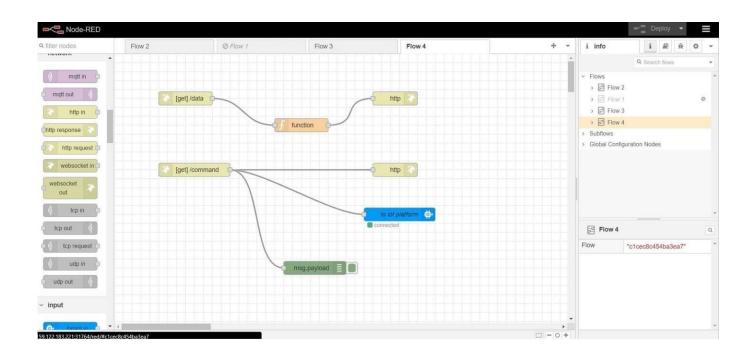
#### Wokwi Simulation:



#### IoT Device - IoT Platform



## Node Red – Connect with MIT Applnventor



#### Edit function node



### **Output from Node red:**

```
← → C A Not secure | 159.122.183.221:31764/data

⑤ Google VouTube → MATLAB Document... LaTex Base | Online... ECE Notes Seniors' ⑥ Download - Knowl... see eSim № Sanskrit Word List... ⑥ Temp":14.9, "humid":86, "speed":80, "n":0, "s":0, "e":0, "w":1, "res": "West", "l1":69, "l2":99, "l3":19, "l4":40, "optimal_lane": "Lane 3"}
```

## MIT App Inventor UI design:



#### MIT App Inventor Backend design:

```
when Clock1 . Timer
do set (Web112) . Units to http://159.122.183.221.31764/data
when Web1 GotText
 url responseCode responseType responseContent
do set temp data . Text to to look up in pairs key temp
                                        pairs call (Web1 JsonTextDecode
                                                                 jsonText get responseContent •
                                     set (numb data . (Text to look up in pairs key ) (humid)
                                         pairs call (Web) IC .JsonTextDecode
                                                                 jsonText | get responseContent -
   set speed data . (Texture to book up in pairs key speed)
                                         pairs call Weblic JsonTextDecode
                                                                 jsonText | get responseContent -
                                      set direction data . Text to look up in pairs key res
                                           jsonText get responseContent •
   set optillane data . Text to look up in pairs key continual lane
                                           pairs call Web1 JsonTextDecode
                                                                    jsonText | get responseContent *
                                        notFound " " " "
   set (ane_data . Text to ( ) join ( look up in pairs key ) (1)
                                                pairs call Web1 JsonTextDecode
                                                                         jsonText | get responseContent -
                                             notFound " " "
                                      .0.
                                     look up in pairs key 📜 * [2] *
                                              pairs call (Web1 JsonTextDecode
                                                                         jsonText | get responseContent *
                                             notFound ( * 🗖 *
                                      . .
                                     look up in pairs key 🔭 😘 🔭
                                                pairs call (Web) ... JsonTextDecode
                                                                        jsonText get responseContent •
                                             notFound * * •
                                      . .
                                     look up in pairs key (4)
                                               pairs call (WebTito .JsonTextDecode
                                                                         jsonText | get responseContent -
```

# **Sprint 3 delivery:**

# (OUTPUT) Display from MIT App:

