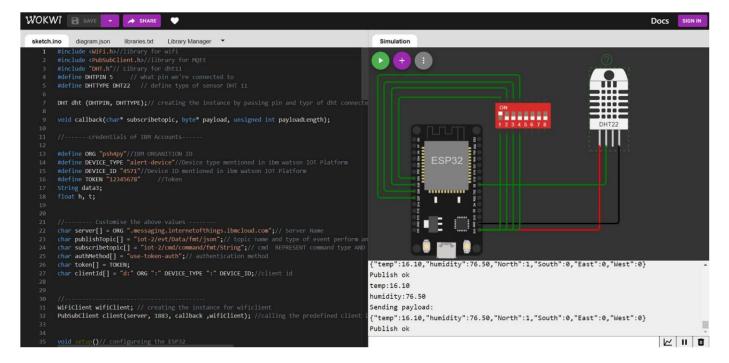
Project Development Phase Sprint III

Date	12 November 2022
Team ID	PNT2022TMID07704
Project Name	Signs with Smart Connectivity for better road safety

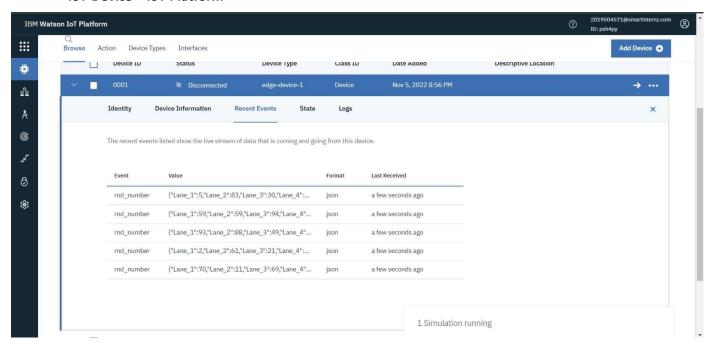
Sprint Targets

Sprint-3	Login	USN-5	As an admistrator, I should have an account on the website	7	Low	Rameshkumar Abirami Arulkumar A
Sprint-3	Dashboard	USN-6SSS	As an admin, I should be able to monitor and add sign nodes	13	Medium	"Dharanidharan Priya N

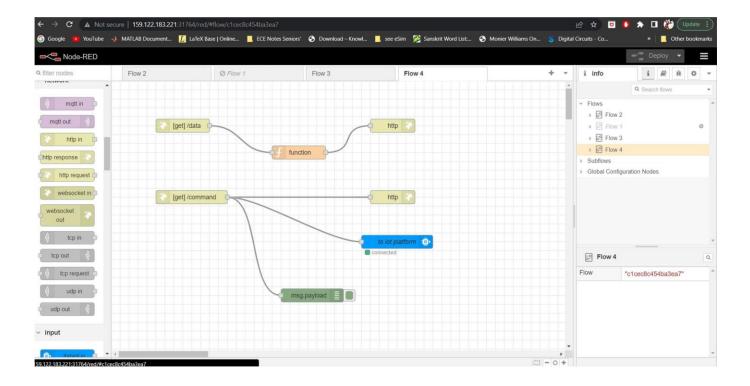
Wokwi Simulation: https://wokwi.com/projects/347494122536305235

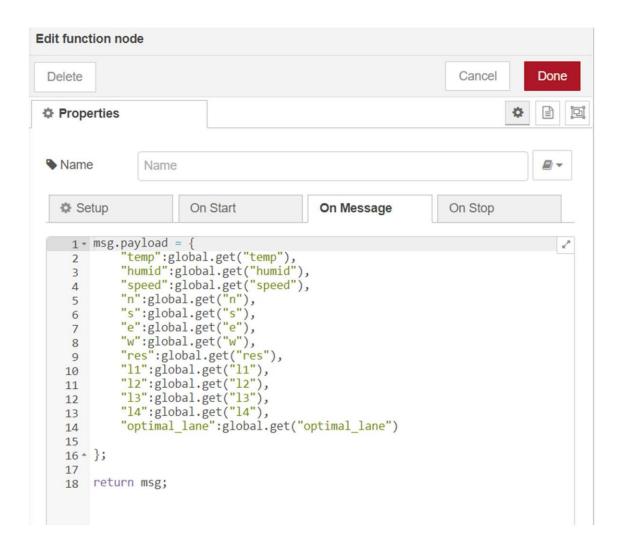


IoT Device – IoT Platform



Node Red – Connect with MIT AppInventor





Output from Node red:

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

⑤ Google YouTube → MATLAB Document...  LaTeX Base | Online...  ECE Notes Seniors'  Download - Knowl...  see eSim  Sanskrit Word List....  (**Temp**:14.9, "humid**:86, "speed**:80, "n**:0, "e**: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 (Web1 . Urillo to http://159.122.183.221/31764/data
             call (Web1 .Get
when Web1 - GotText

url responseCode responseType responseContent

do set temp_data - Text - to look up in pairs key look up in pairs call Web1 - JsonTextDecode isonText
                                                                                                                                                                                                                                                    jsonText get responseContent
                notFound of the code of the co
                | jsonText | get responseContent | set [speed of the content of th
                                                                                                                                                                                                                                                                jsonText get responseContent •
                                                                                                                                                                       notFound | " C "
                set direction_data . Text to look up in pairs key pairs call (Web1 ... JsonTextDecode
                                                                                                                                                                                                                                                                  jsonText get responseContent •
                                                                                                                                                                              notFound | " | " |
                set optiliane_data . Text to to look up in pairs key coptmalliane
                                                                                                                                                                                         pairs call (Web112) .JsonTextDecode
                                                                                                                                                                                                                                                                           jsonText get responseContent •
                                                                                                                                                                                notFound
                 set [ane_data . Text to ( ) join ( ) look up in pairs key ( ) . [1] . pairs ) call [Web1 . .JsonTextDecode
                                                                                                                                                                                                                                                                                            jsonText get responseContent •
                                                                                                                                                                                                     .00.
                                                                                                                                                               look up in pairs key 1 (2)
                                                                                                                                                                                                               pairs call (Web1122) .JsonTextDecode
                                                                                                                                                                                                                                                                                                                 jsonText get responseContent
                                                                                                                                                                                                     notFound 1 181
                                                                                                                                                                     .00.
                                                                                                                                                               look up in pairs key (10)
                                                                                                                                                                                                               pairs call (Web110) .JsonTextDecode
                                                                                                                                                                                                                                                                                            jsonText get responseContent
                                                                                                                                                                                                     notFound * * •
                                                                                                                                                                       .0.
                                                                                                                                                               look up in pairs key (1)
                                                                                                                                                                                                               pairs call (Web112) .JsonTextDecode
                                                                                                                                                                                                                                                                                                                  jsonText | get responseContent =
```

Sprint 3 delivery:

(OUTPUT) Display from MIT App:

