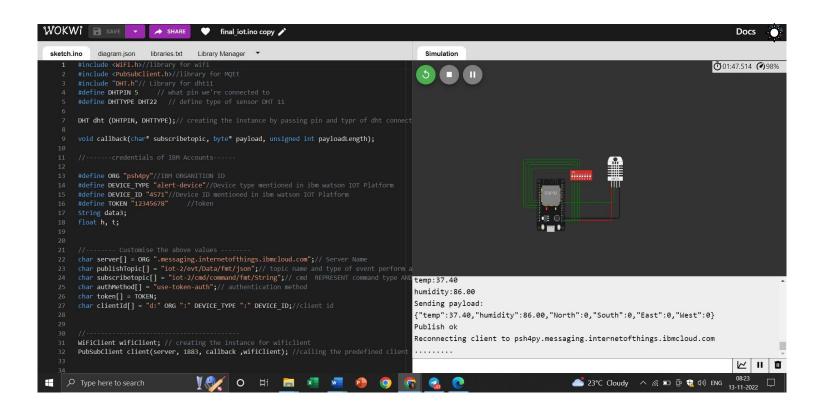
Project Development PhaseSprint III

Date	13 November 2022
Team ID	PNT2022TMID45401
Project Name	Signs with Smart Connectivity for better road safety

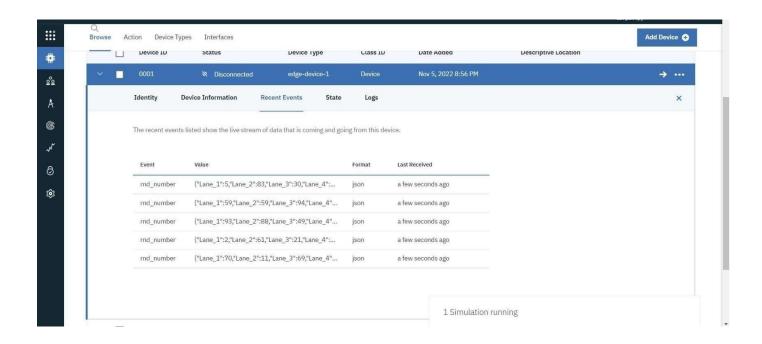
Sprint Targets:

Sprint	Functional Requirement (Epic)	UserStory Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3	Login	USN-5	As an administrator, I should have an account of the website	7	Low	Dinesh Aashiq Poonthamilan Samuvel
Sprint-3	Dashboard	USN-6SSS	As an admin, I should be able to monitor and add sign nodes	13	Medium	Dinesh Aashiq Poonthamilan Samuvel

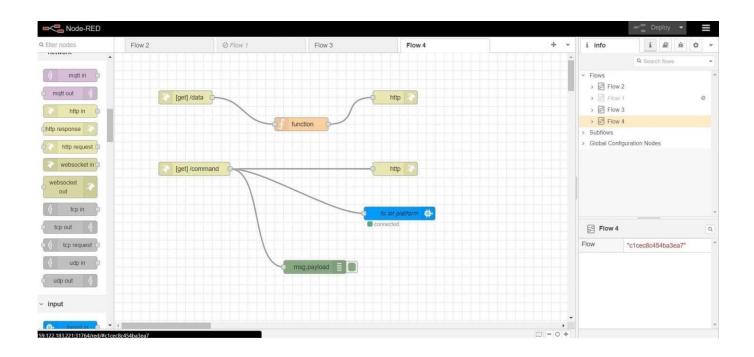
Wokwi Simulation:

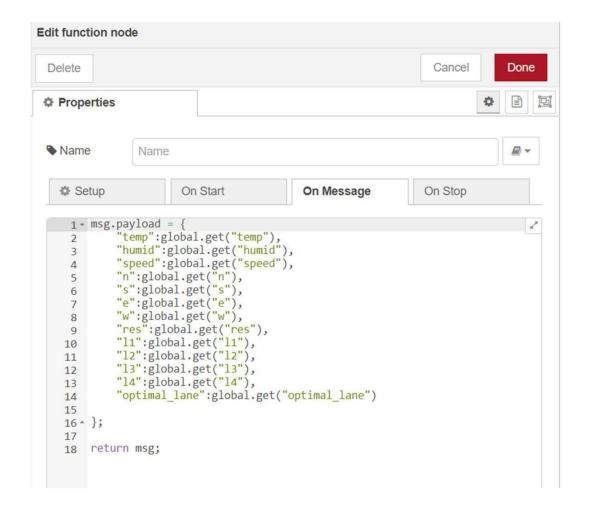


IoT Device – IoT Platform



Node Red – Connect with MIT AppInventor





MIT App Inventor UI design:



MIT App Inventor Backend design:

```
when Clock1 . Timer
do set (Meb) . Units to http://159.122.183.221.31764/data
when Web1 GotText
 url responseCode responseType responseContent
do set (temp_data . . (Text . ) to ( look up in pairs key ( temp )
                                         pairs call (Web1 JsonTextDecode
                                                                  jsonText get responseContent •
                                      notFound * * •
   set (numb data . (Text to look up in pairs key ) (humid)
                                          pairs call (Web) IC .JsonTextDecode
                                                                   jsonText get responseContent •
   set speed data . (Text to book up in pairs key speed)
                                          pairs call Weblic JsonTextDecode
                                                                   jsonText | get responseContent -
                                      notFound | " -
   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 -
                                              .0.
                                     look up in pairs key 📜 * [2] *
                                               pairs call (Web110 .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:

