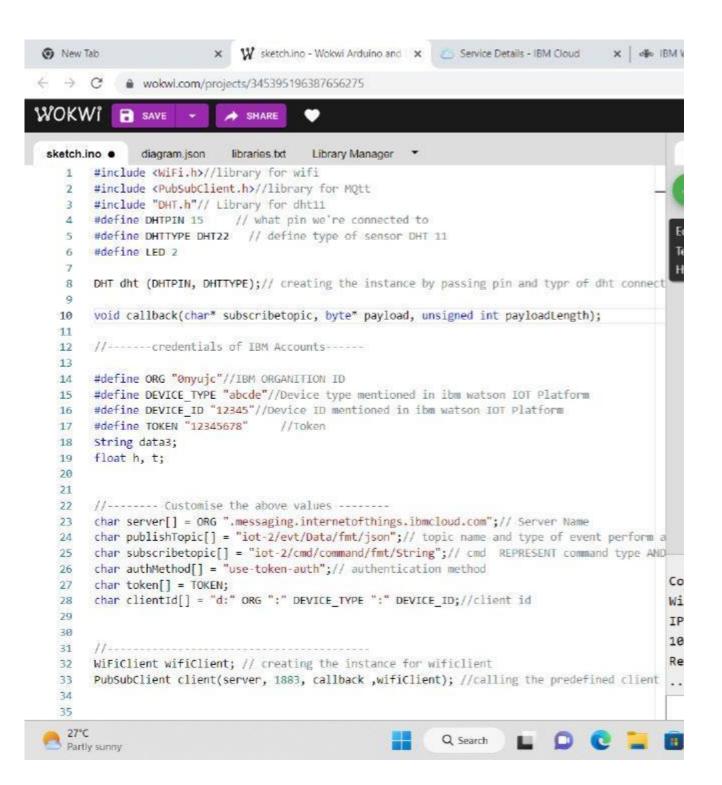
Project Development Phase Sprint III

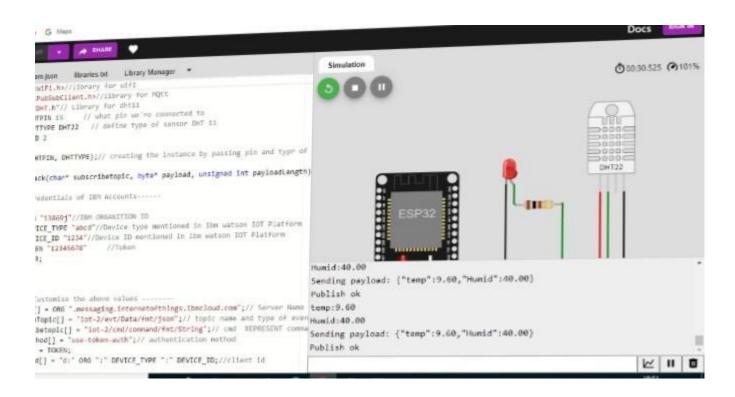
Date	13 November 2022
Team ID	PNT2022TMID47661
Project Name	Signs with Smart Connectivity for better road safety

Sprint Targets:

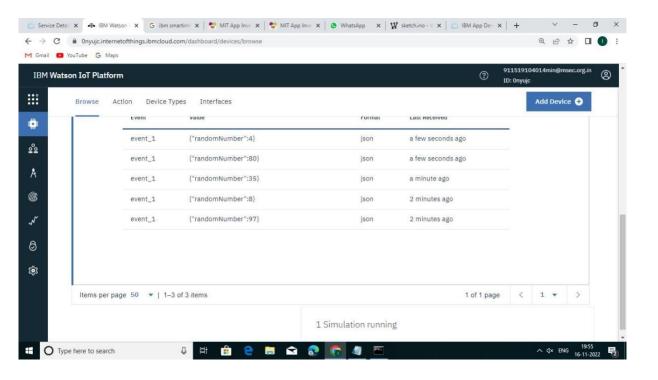
Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3	Login	USN-5	As an administrator , I should have an account of the website	7	Low	Issathu nisha Sanaa Suhaina Fahima
Sprint-3	Dashboard	USN-6SSS	As an admin , I should be able to monitor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

Wokwi

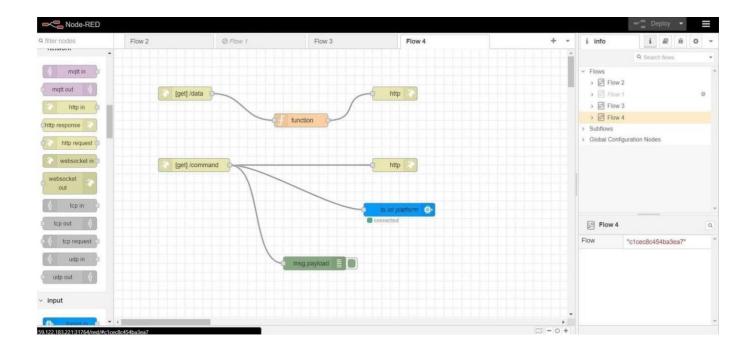


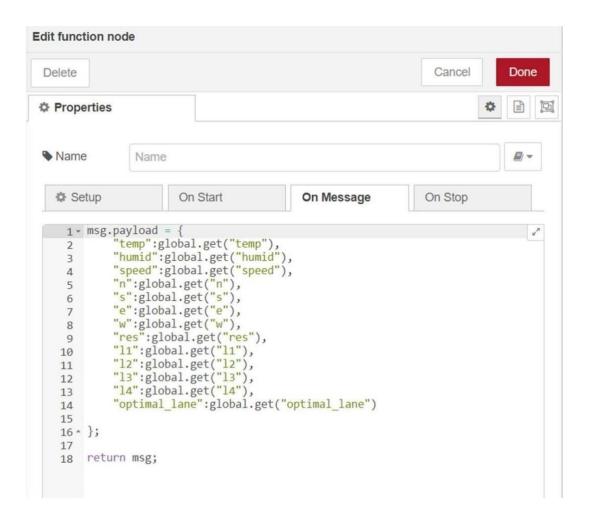


IoT Device – IoT Platform



Node Red – Connect with MIT AppInventor





MIT App Inventor UI design:



MIT App Inventor Backend design:

```
when Clock1 . Timer
do set (Web) . Unio to http://i.59.122.183.221.31764/data
    call (Web) . Get
when Webi .GotText
 url responseCode responseType responseContent
do set temp data . Text to look up in pairs key temp
                                           pairs call (Web11 JsonTextDecode
                                                                    |sonText | get responseContent +
                                                 ...
    set (humb data . Text to look up in pairs key humb)
                                           pairs call Web1100 .JsonTextDecode
                                                                     jsonText | get responseContent +
                                        notFound " " "
    set speed data . Text to book up in pairs key speed
                                           pairs call Well JonTextDecode
                                                                     jsonText | get responseContent -
                                        set direction data . Text to book up in pairs key fres
                                             pairs call (Web11 JsonTextDecode
                                                                      jsonText get responseContent •
                                          set optillane data . Texten to look up in pairs key optimal ane
                                              pairs call (Web115) JsonTextDecode
                                                                       jsonText | get responseContent -
                                          notFound " " " " "
    set (lane data . Text to ( 0 join ( look up in pairs key ) 11
                                                  pairs call (Web) JsonTextDecode
                                                                            jsonText get responseContent •
                                               notFound " " " "
                                        . .
                                        look up in pairs key (2)*
                                                  pairs call (Web) JsonTextDecode
                                                                            jsonText | get responseContent .
                                               notFound " " " "
                                        · 60 ·
                                        look up in pairs key (1) 1
                                                 pairs call Web1 JsonTextDecode
                                                                            jsonText | get responseContent •
                                               notFound 6 10 1
                                        . ab .
                                        look up in pairs key 📑 "(1) "
                                                   pairs call (Web) JsonTextDecode
                                                                            jsonText | get responseContent .
                                                notFound " " "
```

(OUTPUT) Display from MIT App:

