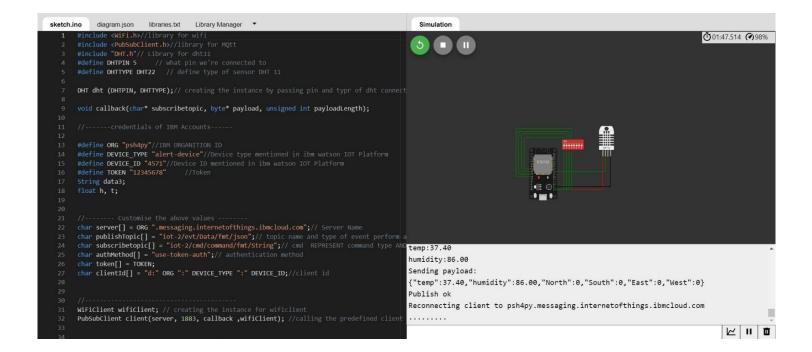
Project Development PhaseSprint III

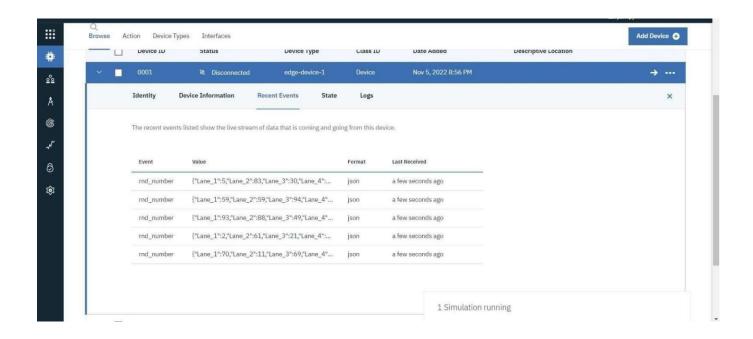
Date	13 November 2022		
Team ID	PNT2022TMID17377		
Project Name	Signs with Smart Connectivity for better road safety		

Sprint Targets:

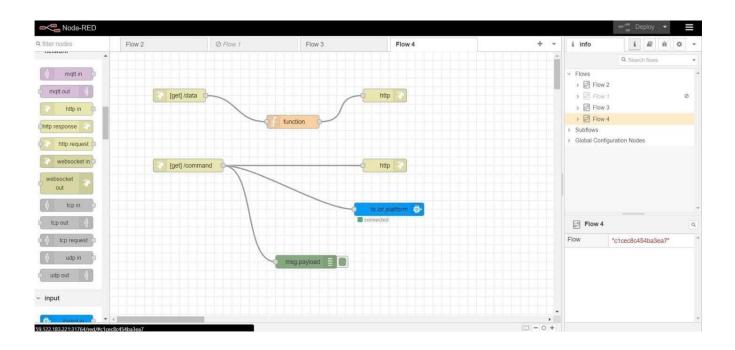
Sprint	Functional Requirement (Epic)	UserStory Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3	Login	USN-5	As an administrator, I should have an account of the website	7	Low	Sudir Sunilkumar Sanjaykumar Venkatesh
Sprint-3	Dashboard	USN-6	As anadmin, Ishould be able to monitor and add sign nodes	13	Medium	Sudir Sunilkumar Sanjaykumar Venkatesh

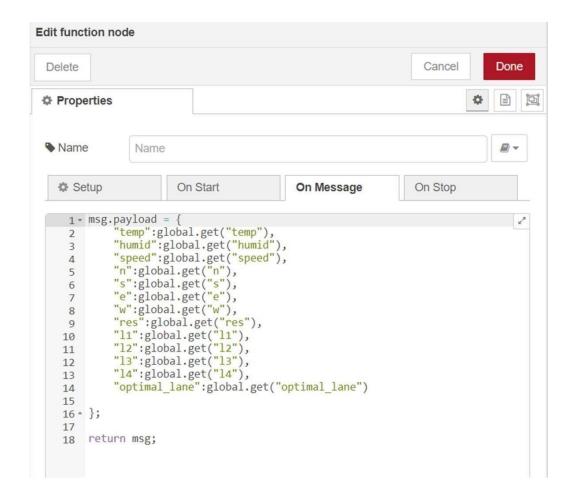


IoT Device – IoT Platform



Node Red – Connect with MIT AppInventor





Output from Node red:

```
{"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
  set (Web182) . Units to ( http://159/122/183/221/31764/data)
   call (Web113) .Get
when Web1 GotText
 url responseCode responseType responseContent
do set tempicata . Text to look up in pairs key temp
                                       pairs call (Web11 .JsonTextDecode
                                                               jsonText | get responseContent -
                                    notFound * * *
   set (numb data . (lext) to (look up in pairs key (humb)
                                       pairs call (Web) JsonTextDecode
                                                               jsonText get responseContent •
                                     set speed data . Text to to look up in pairs key speed
                                        pairs call (Web113) .JsonTextDecode
                                                               jsonText | get responseContent •
                                     set direction data . Text to look up in pairs key tes
                                         pairs call Web1 JsonTextDecode
                                                                         get responseContent •
                                      pairs call Web11 JsonTextDecode
                                                                 jsonText | get responseContent *
                                       notFound " " " "
   set (ane_data . Text to ( ) join ( look up in pairs key (1) *
                                              pairs call (Web11 JsonTextDecode
                                                                      jsonText | get responseContent *
                                           . .
                                   look up in pairs key (2)
                                            pairs call (Web1 JsonTextDecode
                                                                       jsonText | get responseContent •
                                           notFound ( * 🗖 *
                                     . .
                                   look up in pairs key 🐧 " [3] 🔭
                                               pairs call Web1 JsonTextDecode
                                                                       jsonText | get responseContent -
                                            notFound * * *
                                     . .
                                   look up in pairs key 🐧 * 🚻 *
                                               pairs call (Web1122 .JsonTextDecode
                                                                       jsonText | get responseContent *
```

Sprint 3 delivery:

(OUTPUT) Display from MIT App:

