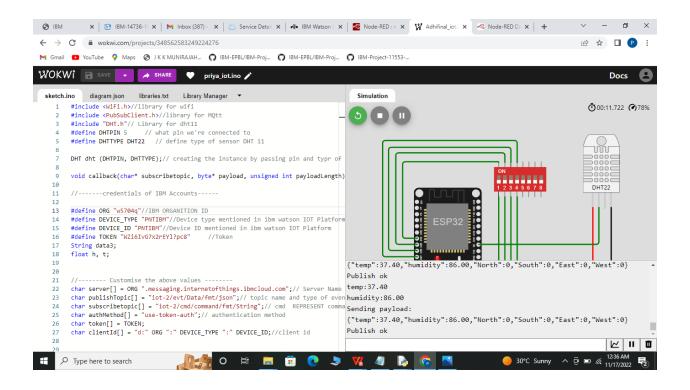
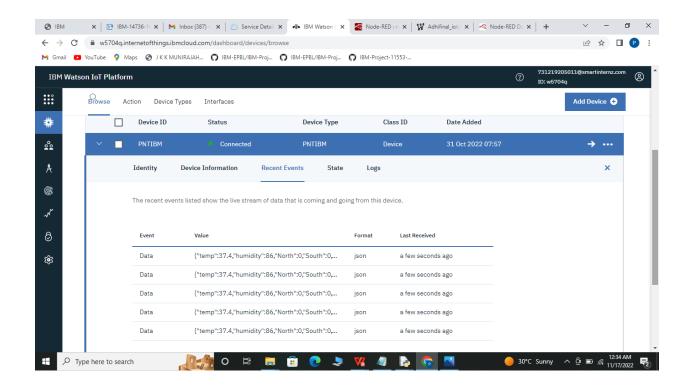
PROJECT DEVELOPMENT PHASE SPRINT 3

NAME ID	PNT2022TMID44448
PROJECT NAME	Signs With smart connectivity for
	better road safety

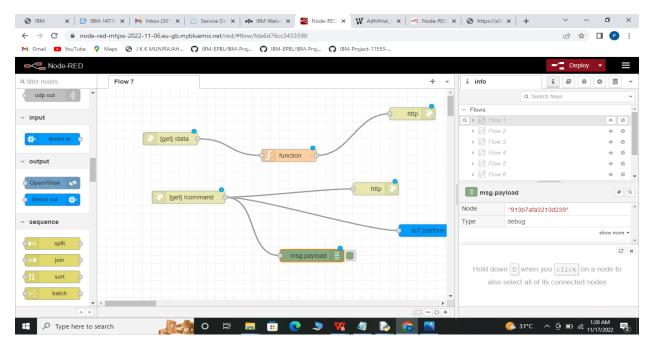
WOKWI SIMULATION: https://wokwi.com/projects/348562583249224276



IoT Device – IoT Platform:



Node Red – Connect with MIT App Inventor:



Output from Node red:



MIT App Inventor UI design:



MIT App Inventor Backend design:

```
set (Web1 . Unit to (http://159.122.183.221/31764/data)
                call (Web110) .Get
when Web1 GotText
url responseCode responseType responseContent
do set temp_data . Text . to look up in pairs key
                                                                                                                                                                                            pairs call (Web11 JsonTextDecode
                                                                                                                                                                                                                                                                                                          jsonText get responseContent
                notFound not
                                                                                                                                                                                                                                                                                                             jsonText get responseContent
                notFound not
                                                                                                                                                                                             pairs call (Web11 JsonTextDecode
                                                                                                                                                                                                                                                                                                      jsonText | get responseContent -
                                                                                                                                                                                notFound | " | "
                 set direction data . Text to look up in pairs key res
                                                                                                                                                                                                    pairs call (Web1 JsonTextDecode
                                                                                                                                                                                                                                                                                                jsonText | get responseContent +
                 jsonText get responseContent •
                                                                                                                                                                                          notFound " " " "
                 set lane data . Text to 0 join 0 look up in pairs key pairs call (Web1 ... JsonTextDecode
                                                                                                                                                                                                                                                                                                                                             jsonText | get responseContent |
                                                                                                                                                                                                                   notFound * * *
                                                                                                                                                                                   . .
                                                                                                                                                                                 jsonText | get responseContent =
                                                                                                                                                                                                                   notFound 1 181
                                                                                                                                                                                 .0.
                                                                                                                                                                        look up in pairs key (13)*
                                                                                                                                                                                                                                pairs call (Web) JsonTextDecode
                                                                                                                                                                                                                                                                                                                                                                                     get responseContent -
                                                                                                                                                                                                                    notFound * * *
                                                                                                                                                                                .0.
                                                                                                                                                                                  look up in pairs key ( 1 (4) 1 JoonTextDecode
                                                                                                                                                                                                                                                                                                                                               jsonText | get responseContent -
                                                                                                                                                                                                                    notFound * * • *
```

Sprint 3 delivery:

(OUTPUT) Display from MIT App :

