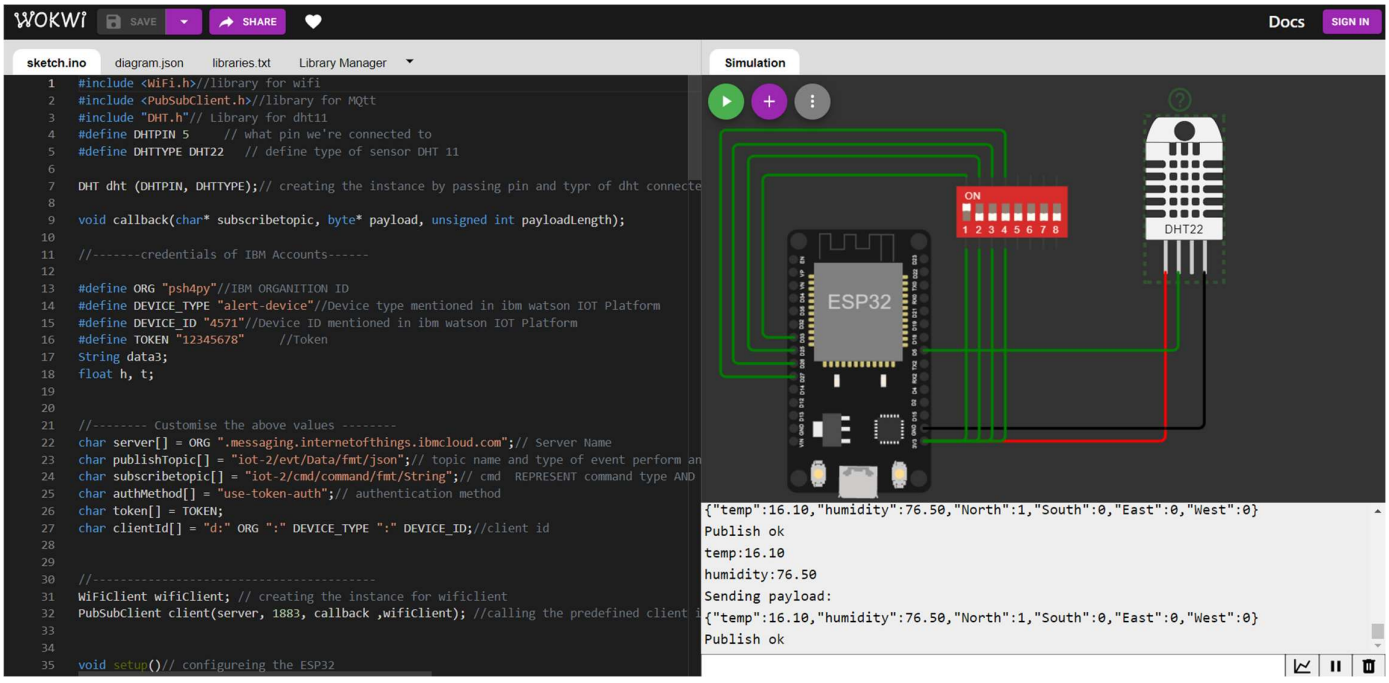
Project Development Phase
Sprint III

Date	12 November 2022
Team ID	PNT2022TMID35906
Project Name	Signs with Smart Connectivity for better road safety

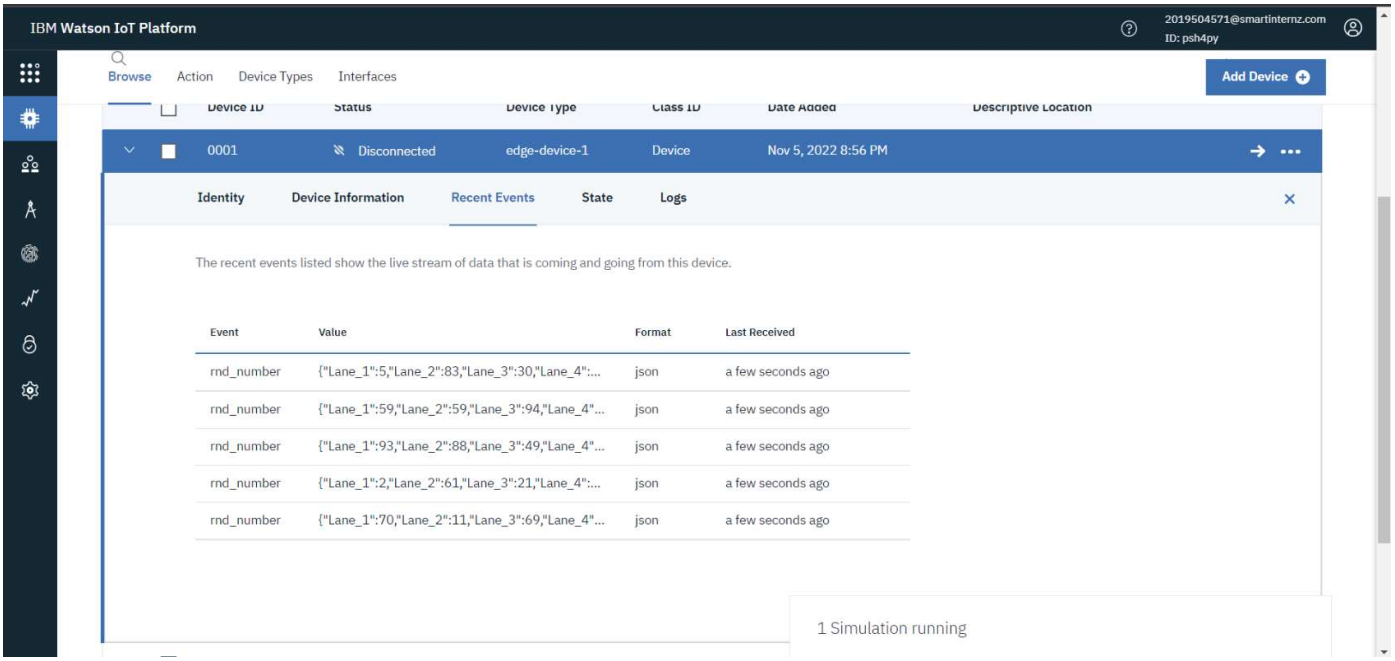
Sprint Targets

Sprint-3	Login	USN-5	As an administrator, I should have an account on the website	7	Low	Atchayapriya M, Rohinth Ram R V
Sprint-3	Dashboard	USN-6	As an admin, I should be able to monitor and add sign nodes	13	Medium	Deepa Jothi K, Siva Chokkalingam S

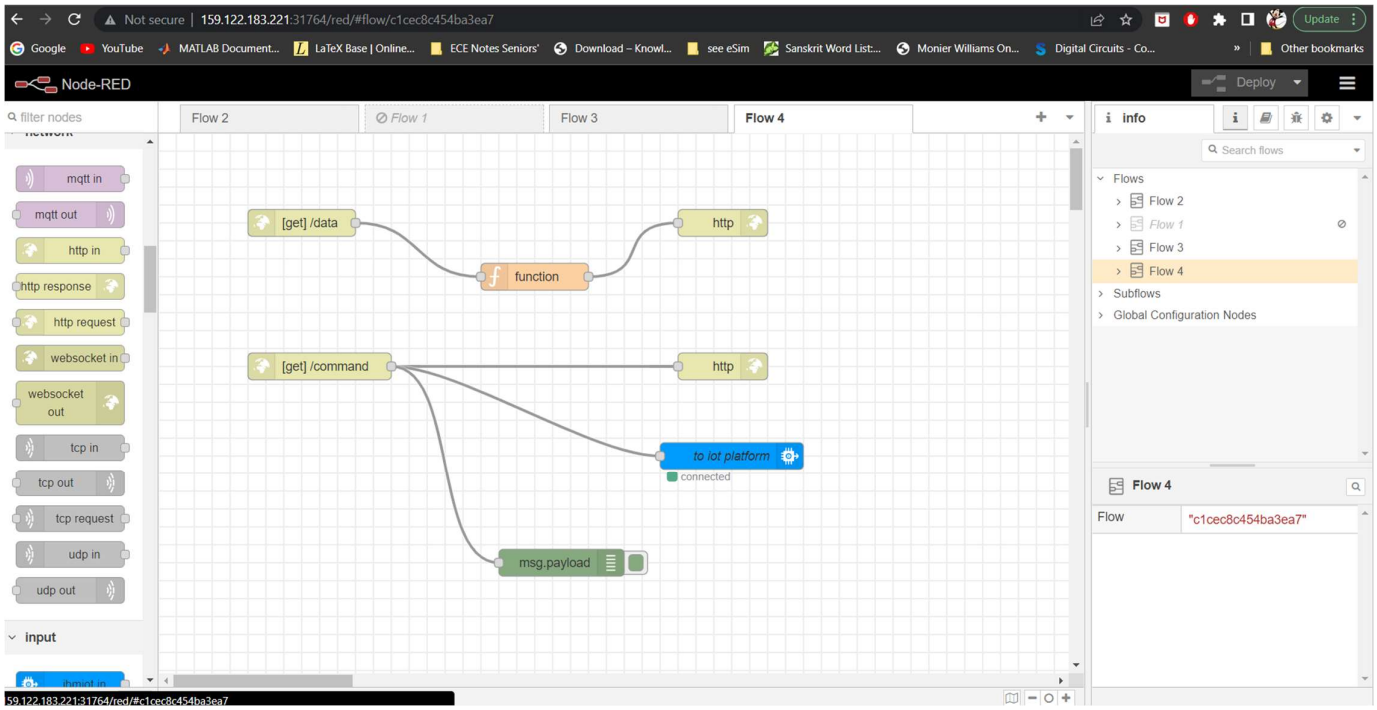
Wokwi Simulation: https://wokwi.com/projects/347494122536305235



IoT Device – IoT Platform



Node Red – Connect with MIT AppInventor



Edit function node

Delete | Cancel | Done

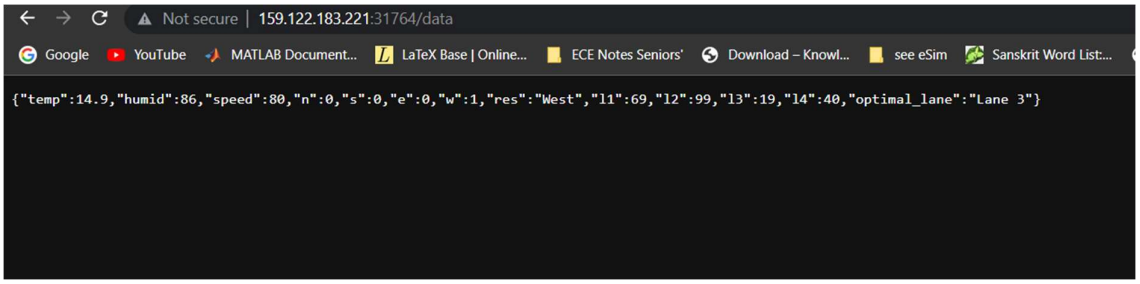
Properties

Name: Name

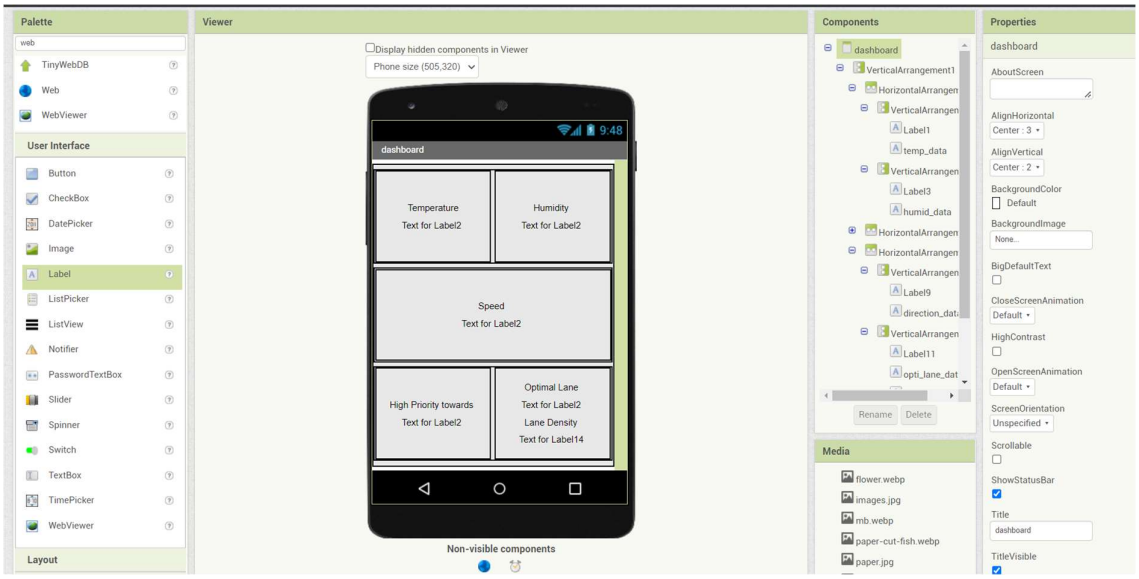
Setup | On Start | On Message | On Stop

```
msg.payload = {
    "temp":global.get("temp"),
    "humid":global.get("humid"),
    "speed":global.get("speed"),
    "n":global.get("n"),
    "s":global.get("s"),
    "e":global.get("e"),
    "w":global.get("w"),
    "res":global.get("res"),
    "l1":global.get("l1"),
    "l2":global.get("l2"),
    "l3":global.get("l3"),
    "l4":global.get("l4"),
    "optimal_lane":global.get("optimal_lane")

};

return msg;
```

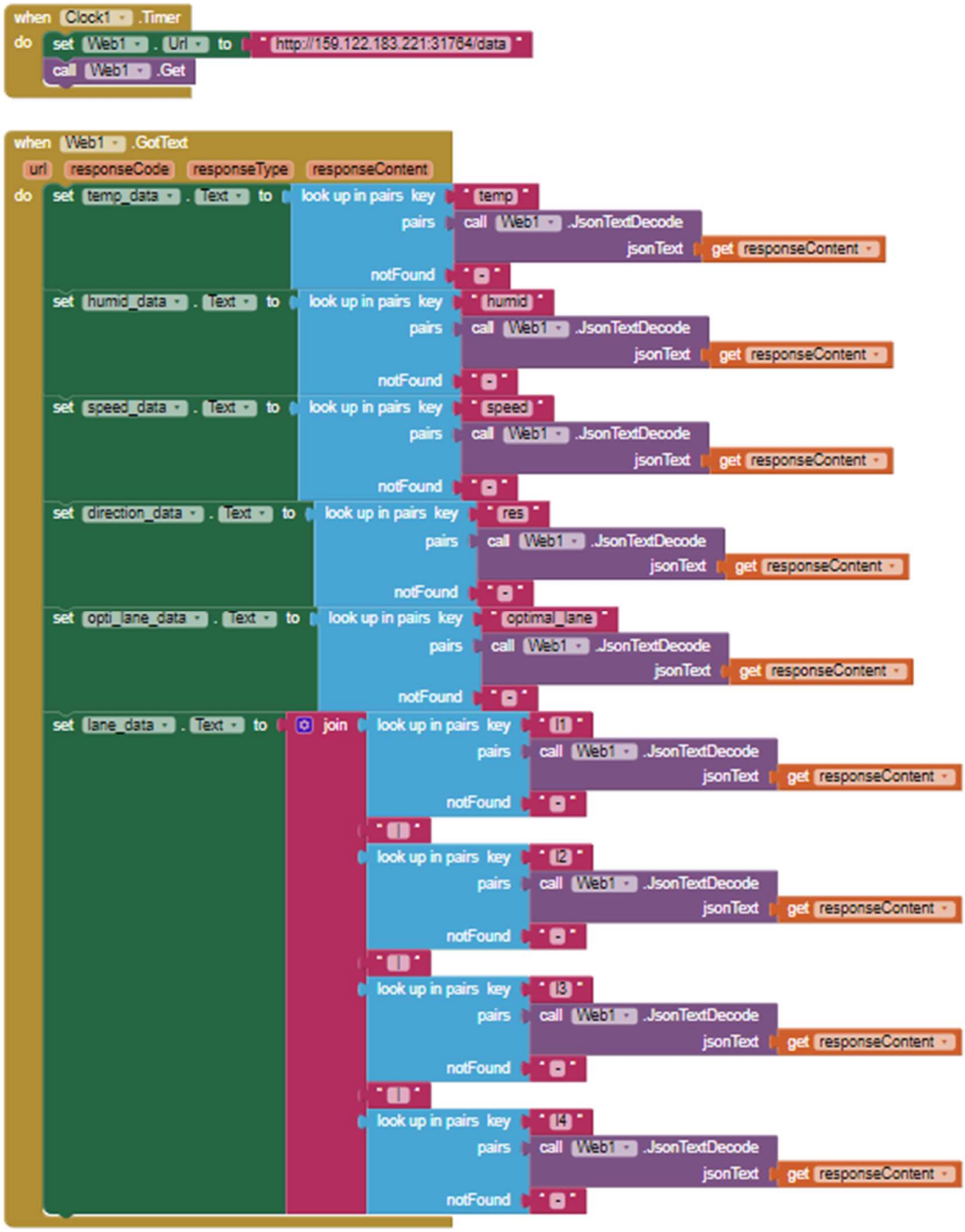
Output from Node red:



MIT App Inventor UI design:



MIT App Inventor Backend design:



Sprint 3 delivery:

(OUTPUT) Display from MIT App: