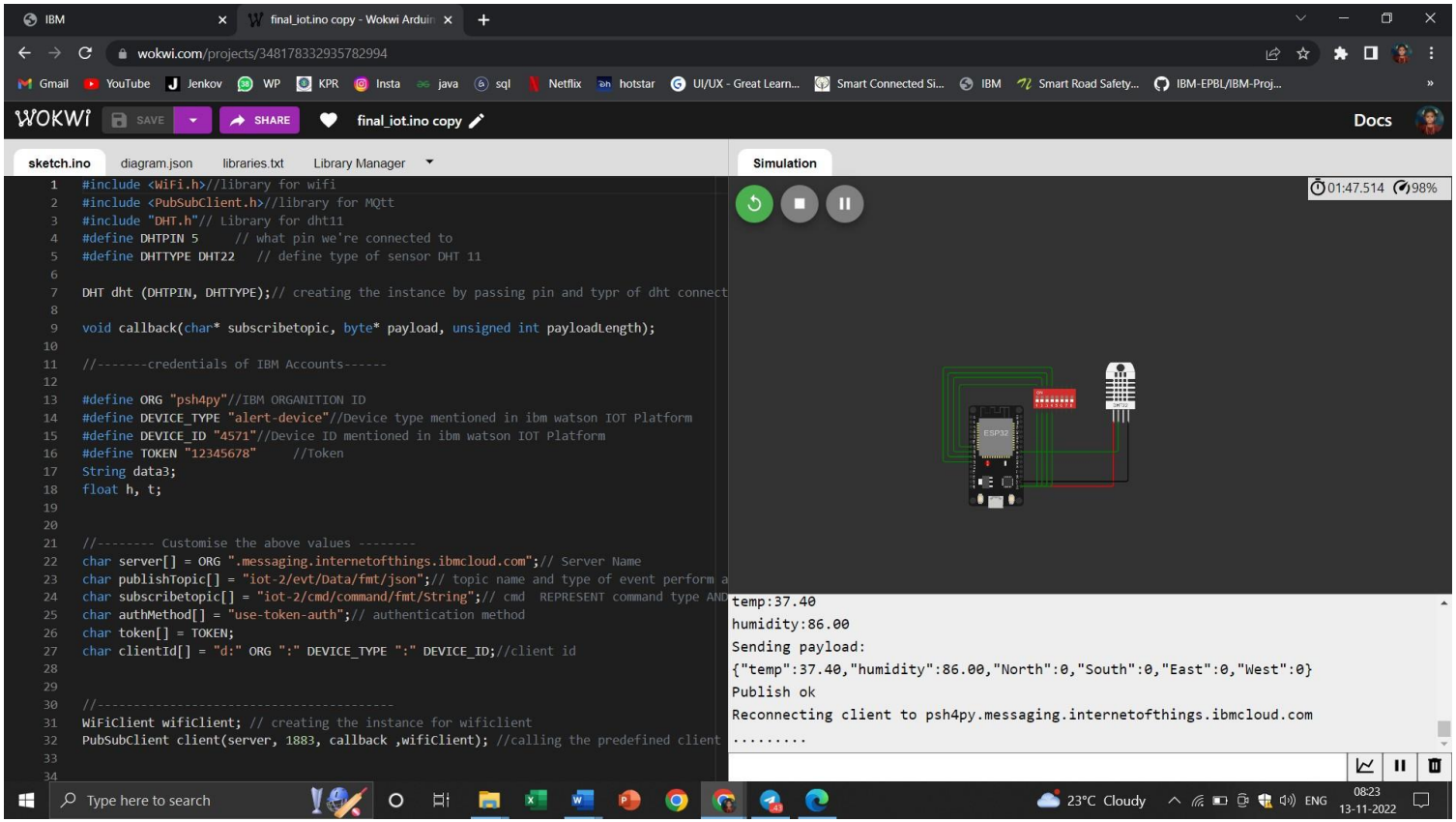
Project Development PhaseSprint III

Date	14 November 2022
Team ID	PNT2022TMID35153
Project Name	Signs with Smart Connectivity for better road safety

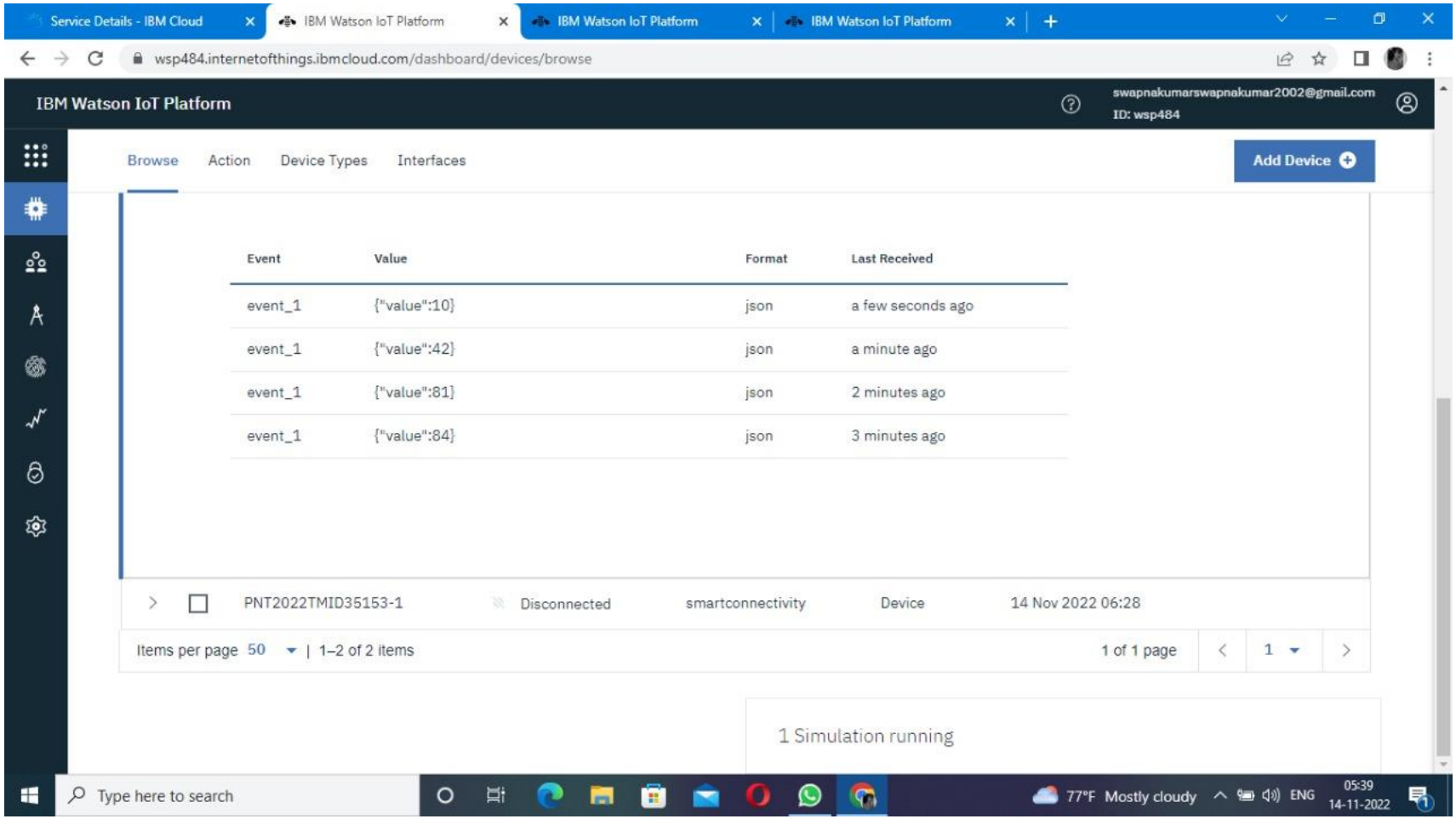
Sprint Targets :

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

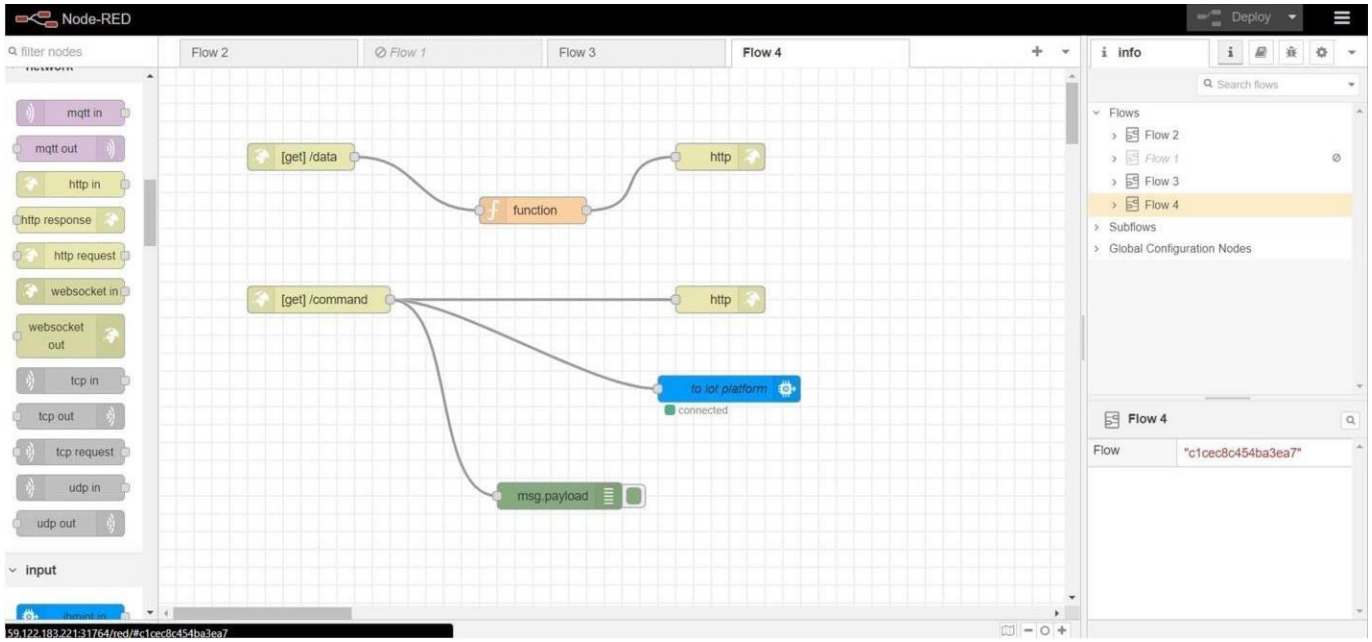
Wokwi Simulation: https://wokwi.com/projects/348178332935782994

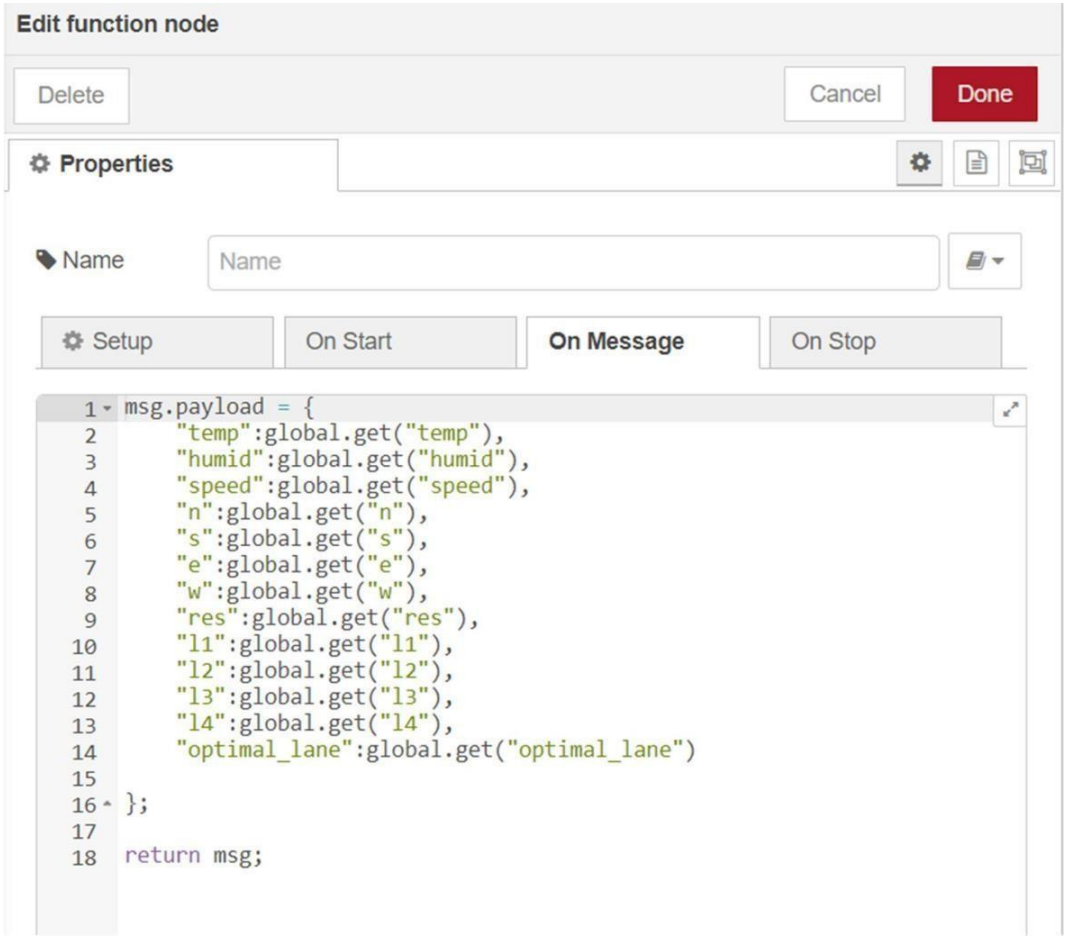


IoT Device – IoT Platform



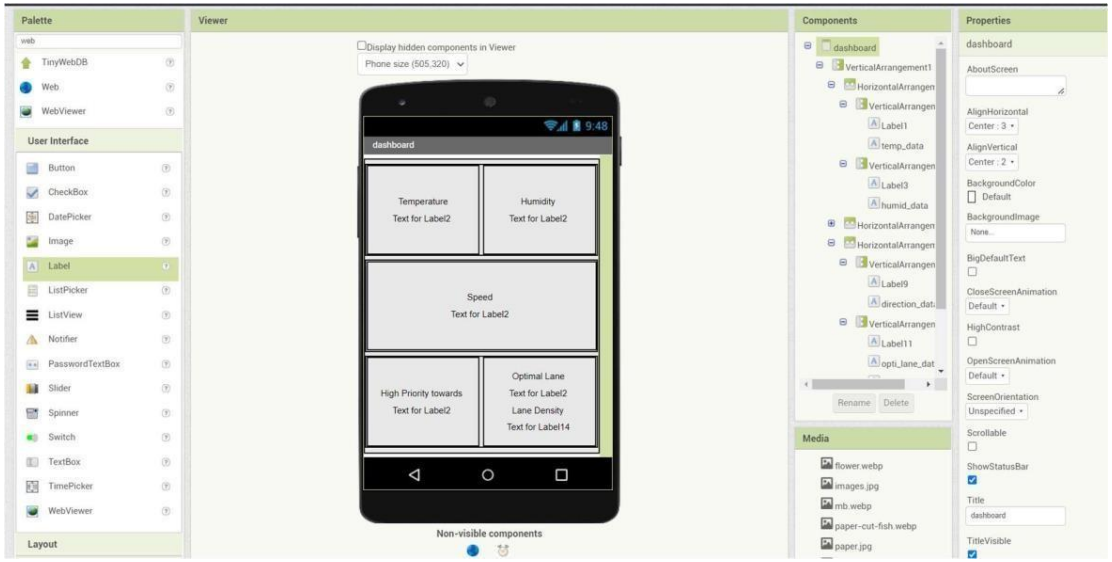
Node Red – Connect with MIT AppInventor



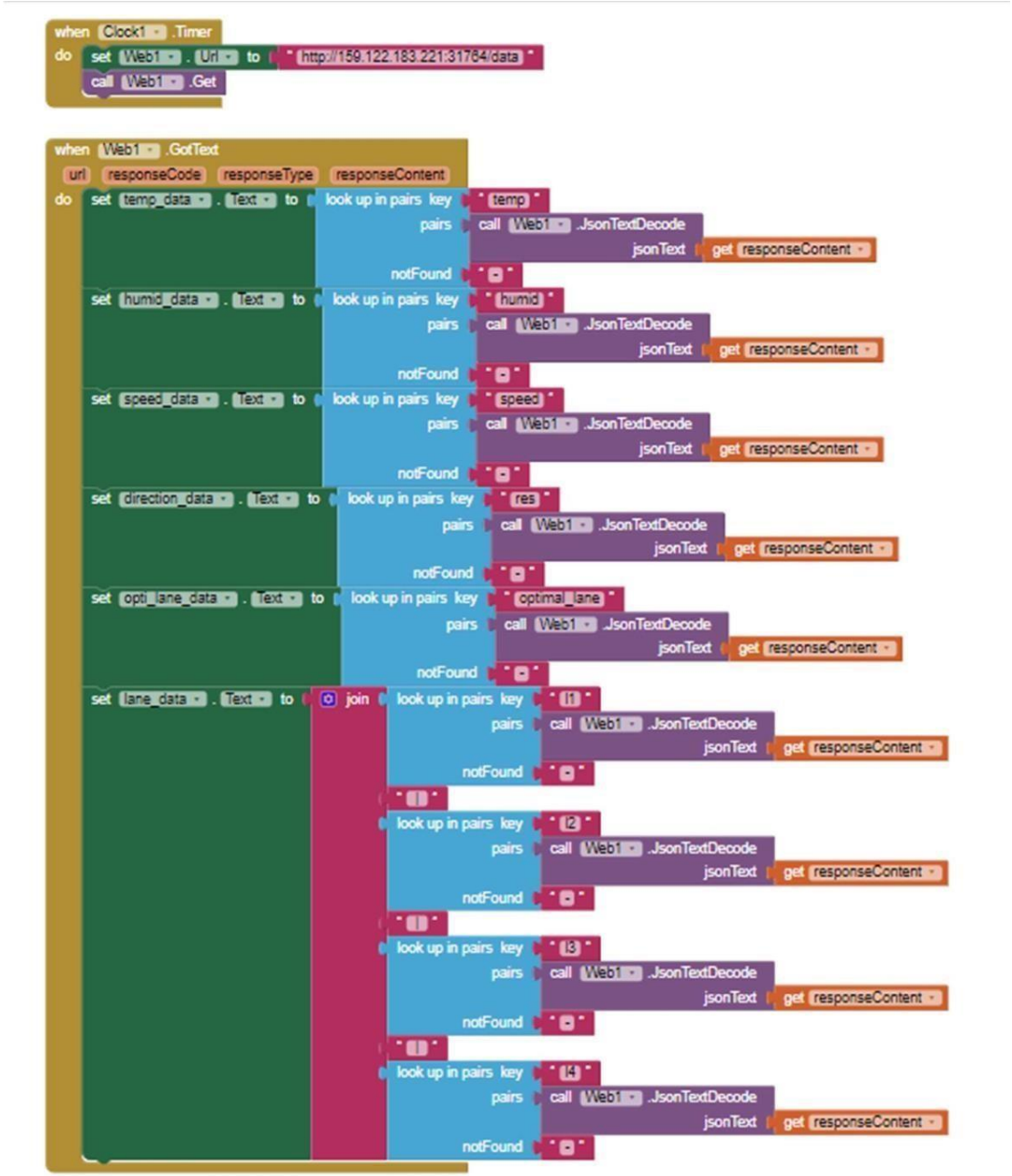

Edit function node
Delete
Cancel
Done
Properties
Name
Name
Setup
On Start
On Message
On Stop
1 msg.payload = {
2 "temp":global.get("temp"),
3 "humid":global.get("humid"),
4 "speed":global.get("speed"),
5 "n":global.get("n"),
6 "s":global.get("s"),
7 "e":global.get("e"),
8 "w":global.get("w"),
9 "res":global.get("res"),
10 "l1":global.get("l1"),
11 "l2":global.get("l2"),
12 "l3":global.get("l3"),
13 "l4":global.get("l4"),
14 "optimal_lane":global.get("optimal_lane")
15
16 };
17
18 return msg;

Output from Node red:

MIT App Inventor UI design:



MIT App Inventor Backend design:



Sprint 3 delivery:

(OUTPUT) Display from MIT App: