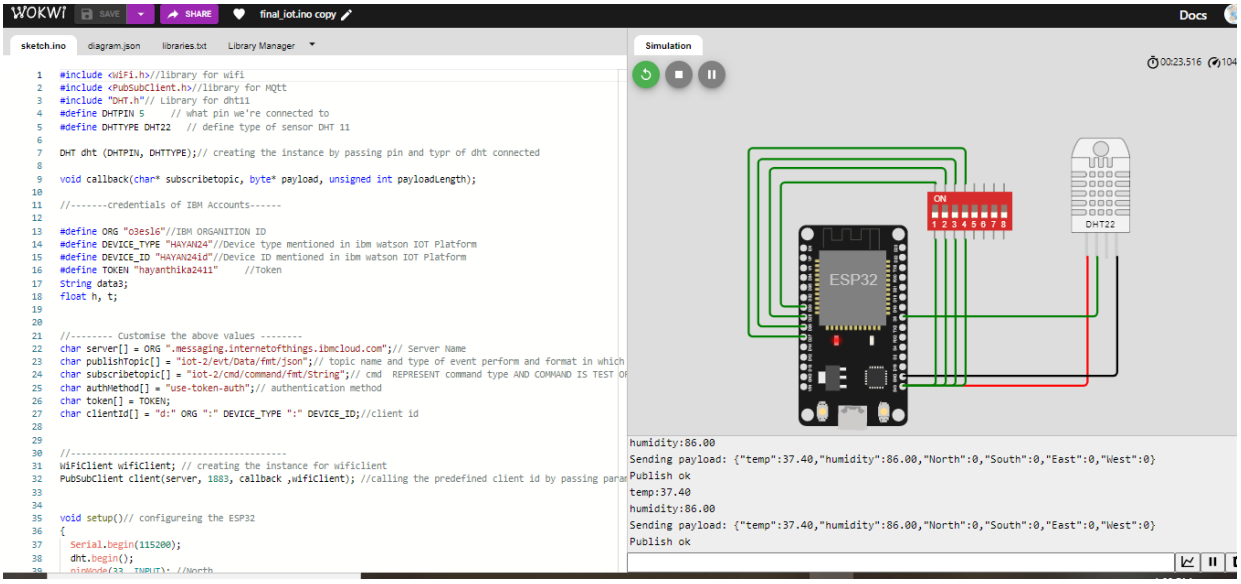
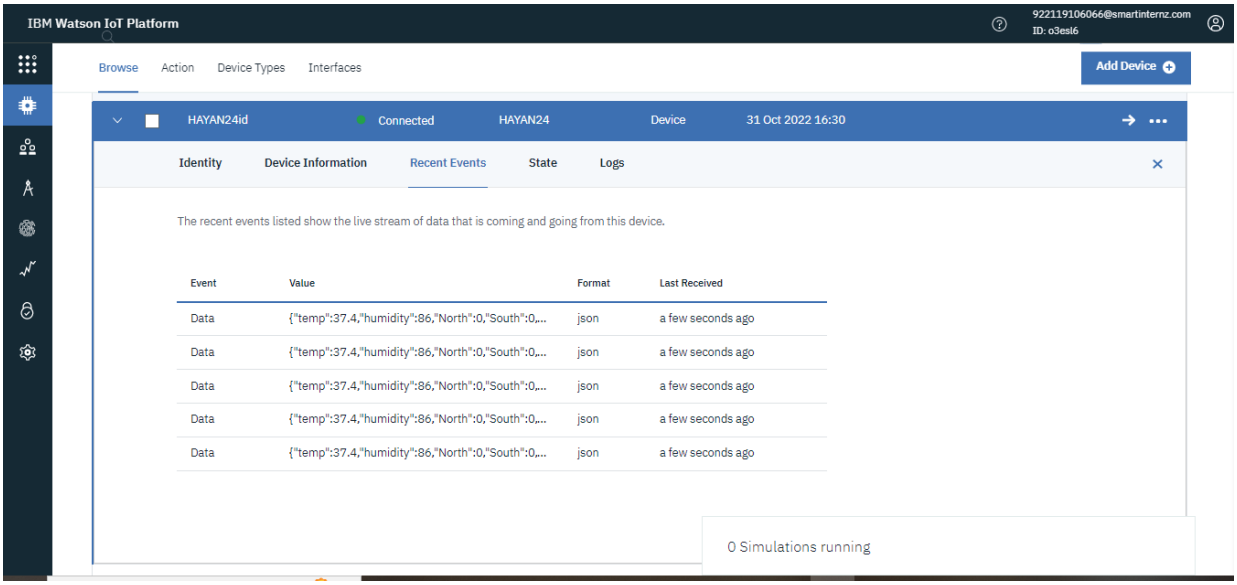
Project Development
Phase Sprint - 3

Team id	PNT2022TMID33212
Project name	Signs with smart connectivity for better road safety

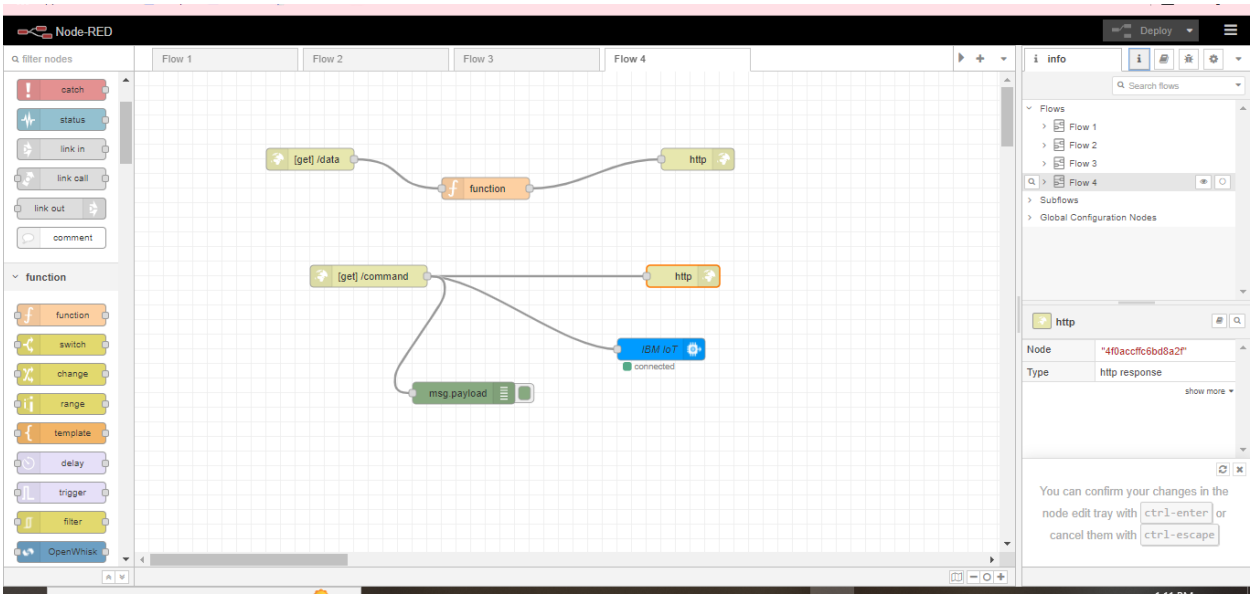
Wokwi Simulation Link: https://wokwi.com/projects/348599350304178770

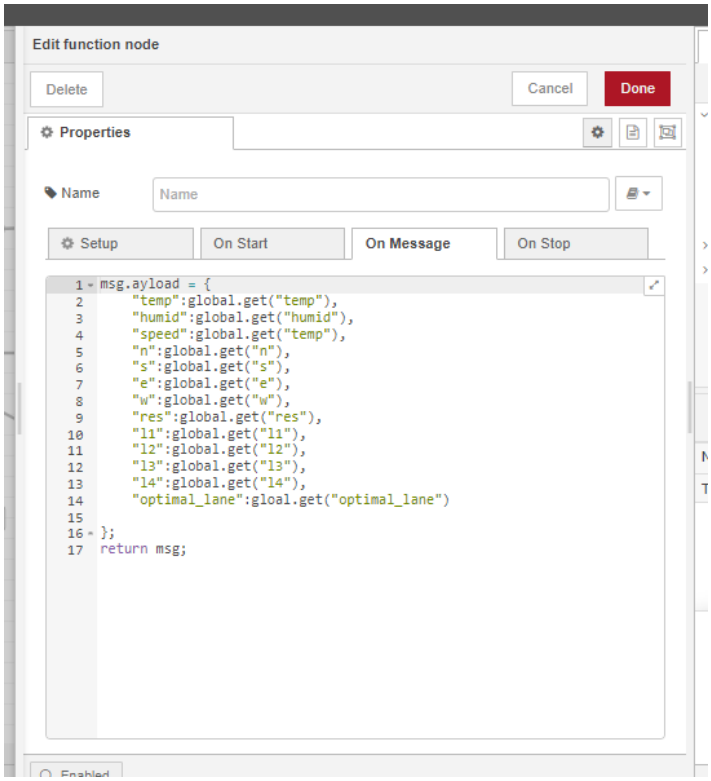


IOT-DEVICE :

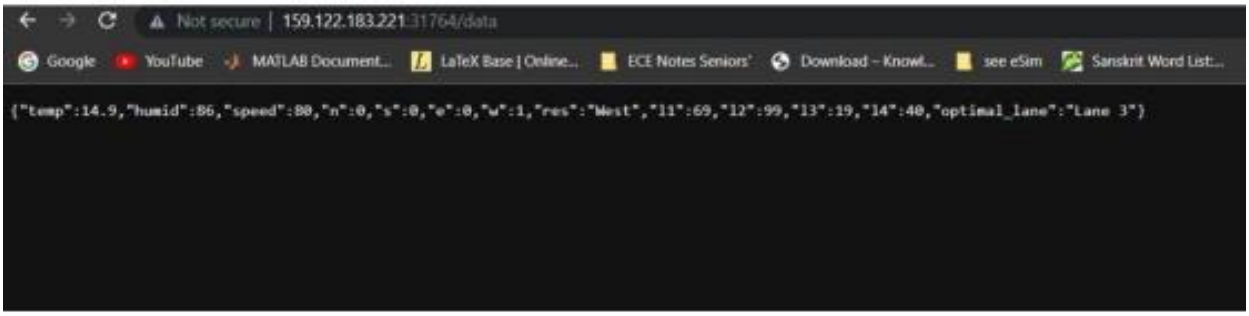


NODE-RED CONNECT WITH MIT APP INVENTOR:

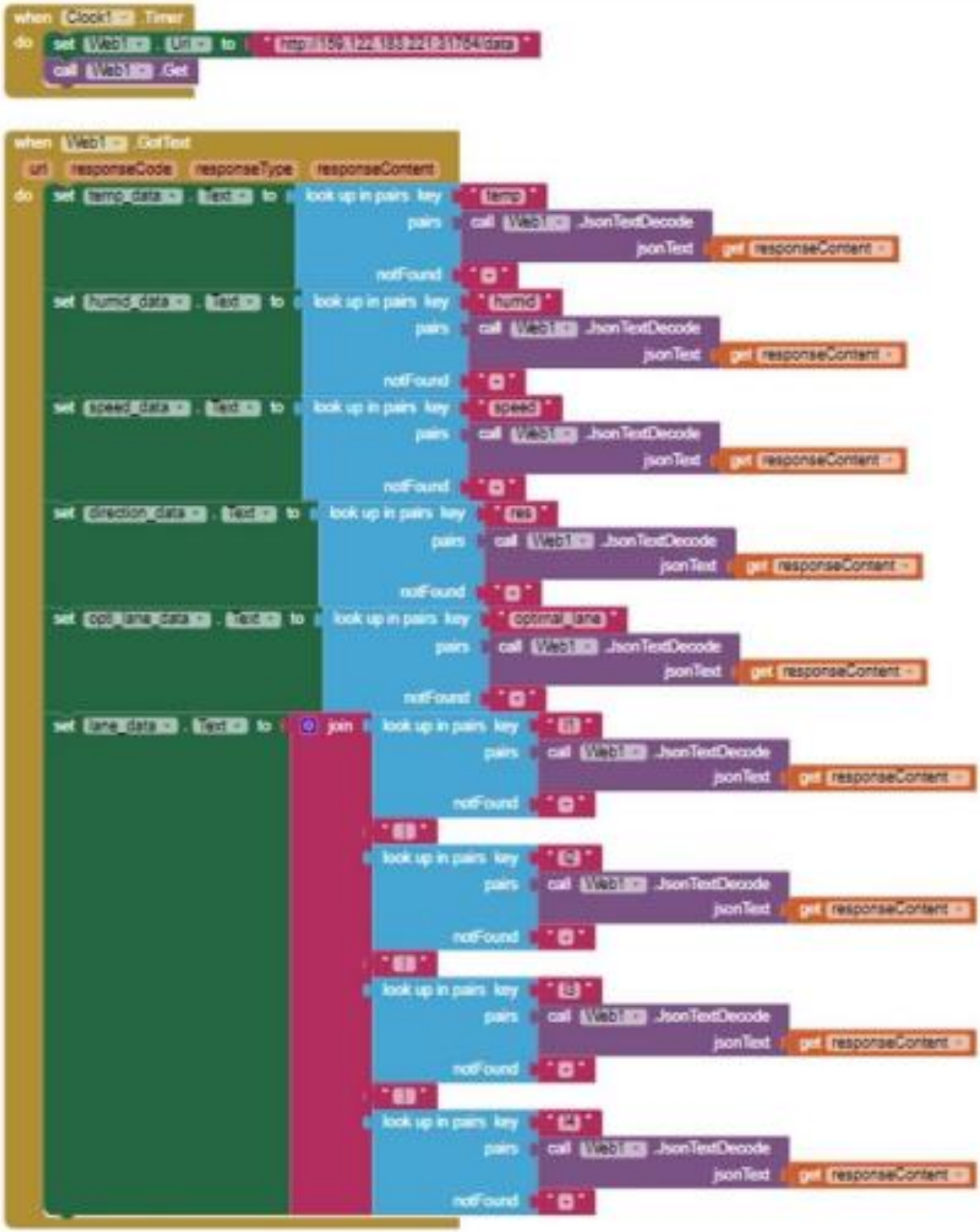



Edit function node
Delete
Cancel
Done
Properties
Name
Name
Setup
On Start
On Message
On Stop
msg.ayload = {
"temp":global.get("temp"),
"humid":global.get("humid"),
"speed":global.get("temp"),
"n":global.get("n"),
"s":global.get("s"),
"e":global.get("e"),
"w":global.get("w"),
"res":global.get("res"),
"l1":global.get("l1"),
"l2":global.get("l2"),
"l3":global.get("l3"),
"l4":global.get("l4"),
"optimal_lane":gloal.get("optimal_lane")
};
return msg;

OUTPUT:


Not secure | 159.122.183.221:31764/data
Google
YouTube
MATLAB Document...
LaTeX Base | Online...
ECE Notes Seniors'
Download – Knowl...
see eSim
Sanskrit Word List:...
{"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:


when Clock1 .Timer
do set Web1 . Url to "http://bb1x4.bl9x4.fb1b64/data"
call Web1 .Get
when Web1 .GotText
url responseCode responseType responseContent
do set temp_data . Text to look up in pairs key "temp"
pairs call Web1 .JsonTextDecode
jsonText get responseContent
notFound "0"
set humid_data . Text to look up in pairs key "humid"
pairs call Web1 .JsonTextDecode
jsonText get responseContent
notFound "0"
set speed_data . Text to look up in pairs key "speed"
pairs call Web1 .JsonTextDecode
jsonText get responseContent
notFound "0"
set direction_data . Text to look up in pairs key "res"
pairs call Web1 .JsonTextDecode
jsonText get responseContent
notFound "0"
set opt_ans_data . Text to look up in pairs key "optimal_ans"
pairs call Web1 .JsonTextDecode
jsonText get responseContent
notFound "0"
set ans_data . Text to join look up in pairs key "1"
pairs call Web1 .JsonTextDecode
jsonText get responseContent
notFound "0"
","
look up in pairs key "2"
pairs call Web1 .JsonTextDecode
jsonText get responseContent
notFound "0"
","
look up in pairs key "3"
pairs call Web1 .JsonTextDecode
jsonText get responseContent
notFound "0"
","
look up in pairs key "4"
pairs call Web1 .JsonTextDecode
jsonText get responseContent
notFound "0"

OUTPUT DISPLAY FROM MIT APP: