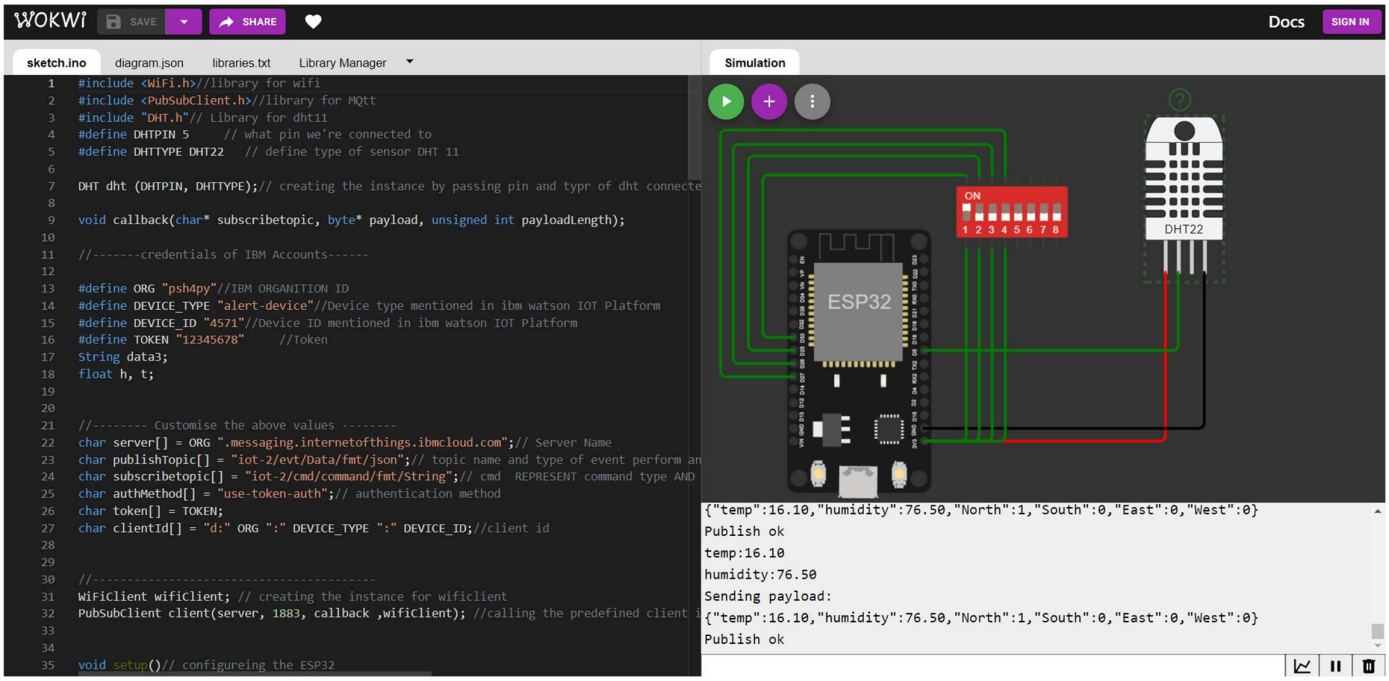
Project Development Phase
Sprint II

Date	05 November 2022
Team ID	PNT2022TMID35906
Project Name	Signs with Smart Connectivity for better road safety

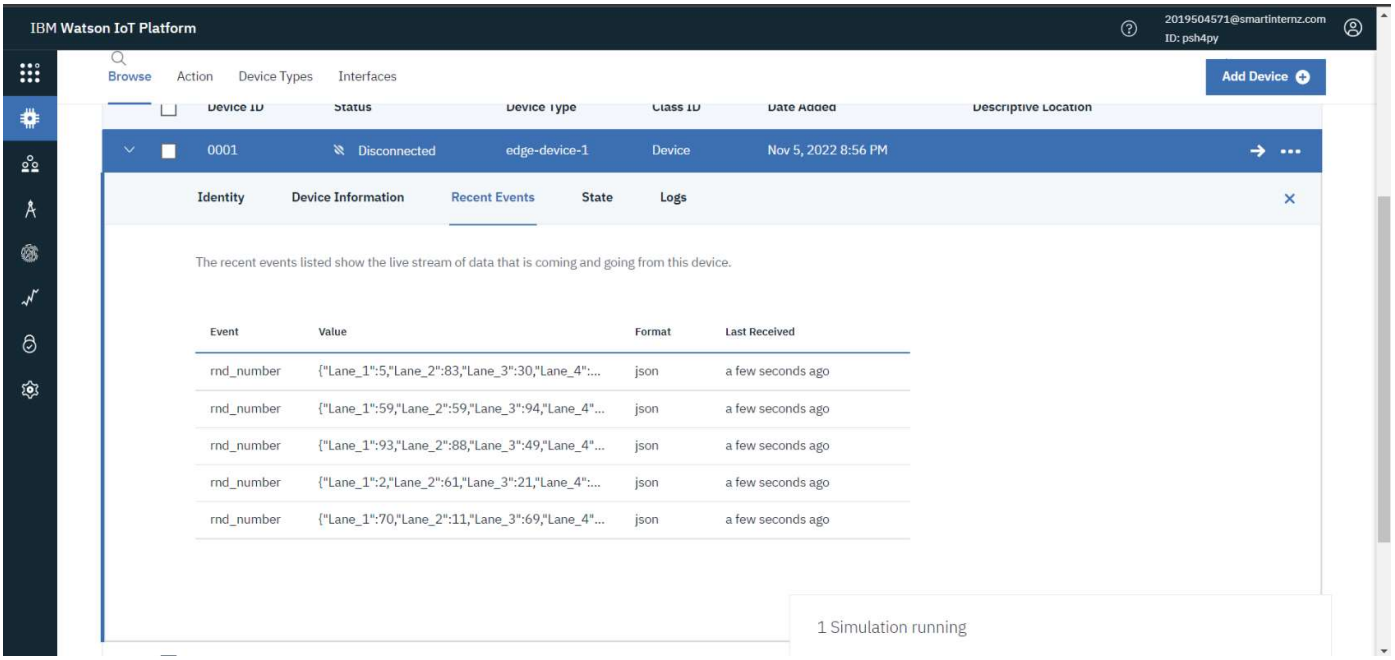
Sprint Targets

Sprint-2	Safer Ride	USN-4	As a traveller, I should have a hustle free journey	20	Medium	Rohinth Ram R V, Siva Chokkalingam S, Atchayapriya M, Deepa Jothi K

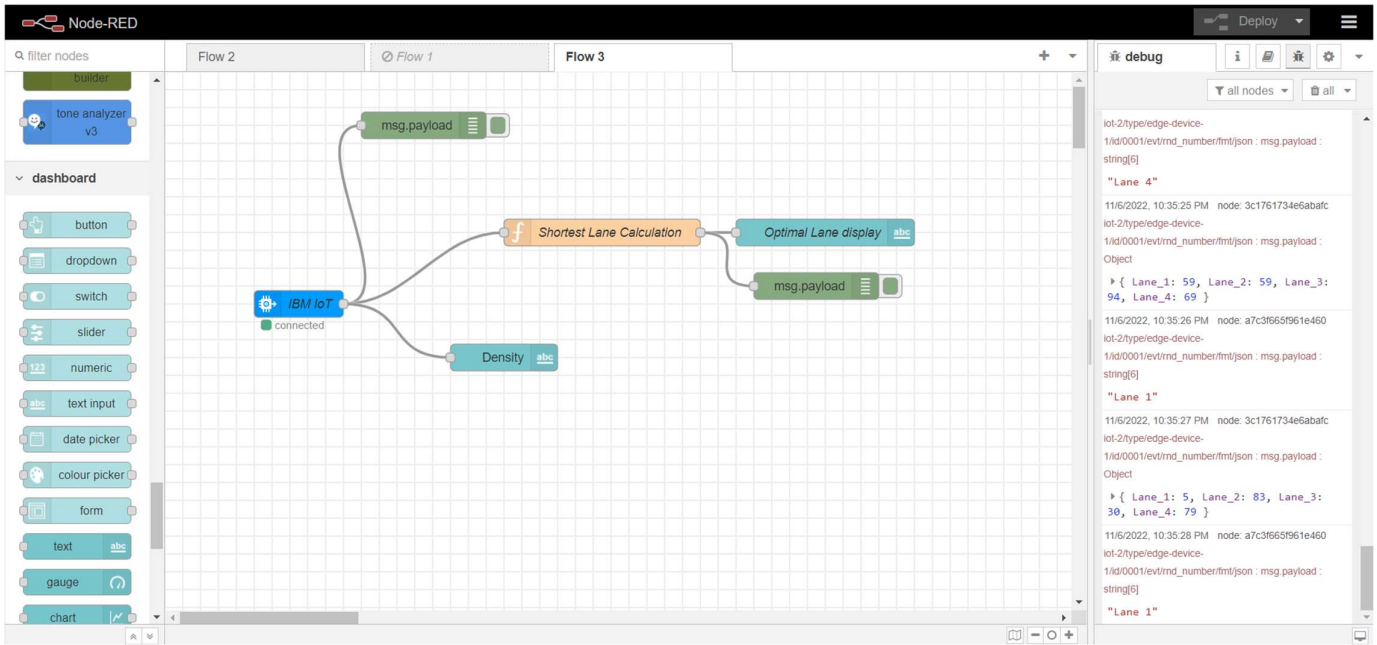
Wokwi Simulation: https://wokwi.com/projects/347494122536305235

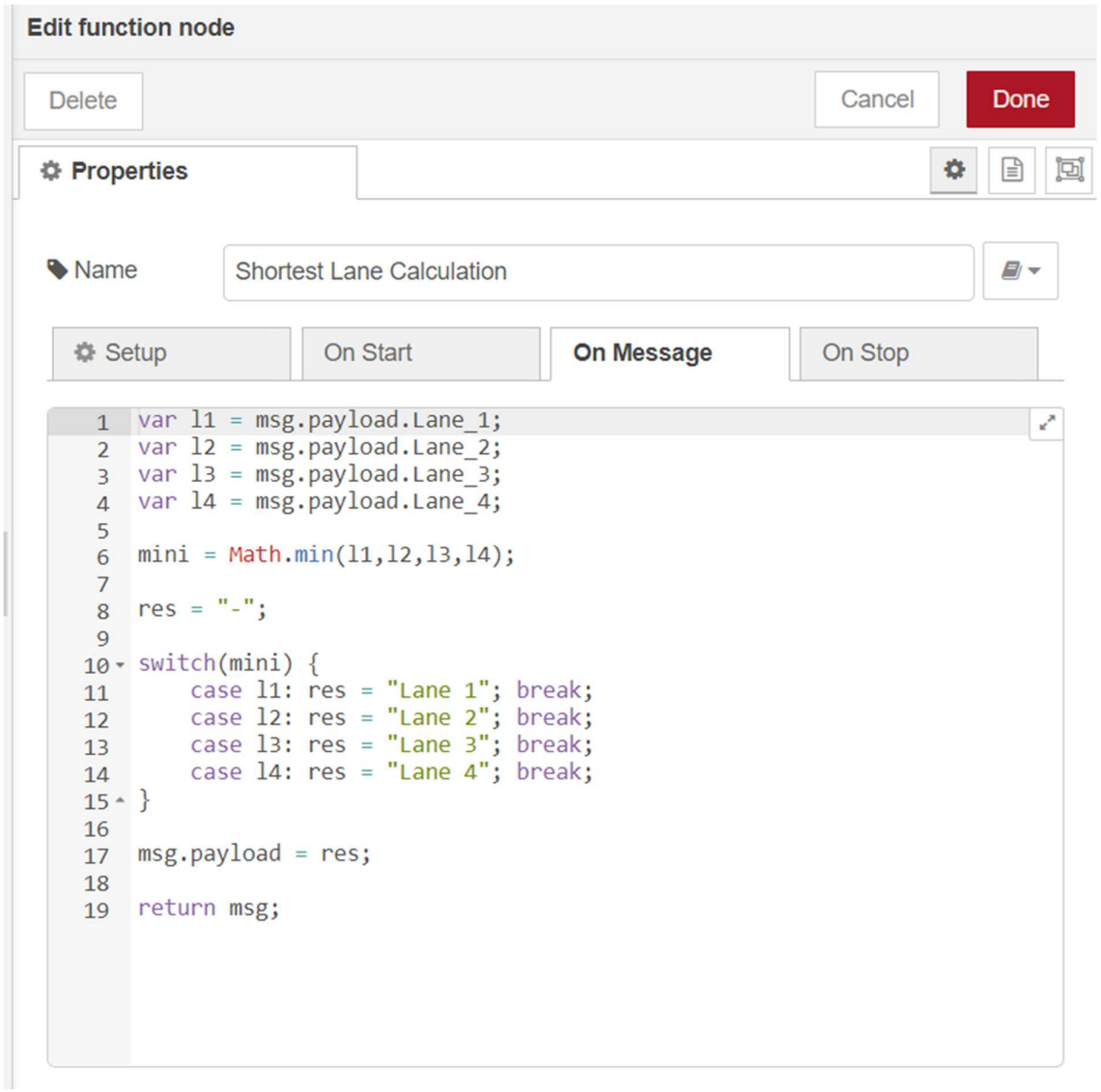


IoT Device – IoT Platform



Node Red




Edit function node
Delete
Cancel
Done
Properties
Name
Shortest Lane Calculation
Setup
On Start
On Message
On Stop
1 var l1 = msg.payload.Lane_1;
2 var l2 = msg.payload.Lane_2;
3 var l3 = msg.payload.Lane_3;
4 var l4 = msg.payload.Lane_4;
5
6 mini = Math.min(l1,l2,l3,l4);
7
8 res = "-";
9
10 switch(mini) {
11 case l1: res = "Lane 1"; break;
12 case l2: res = "Lane 2"; break;
13 case l3: res = "Lane 3"; break;
14 case l4: res = "Lane 4"; break;
15 }
16
17 msg.payload = res;
18
19 return msg;

Node Red Web UI