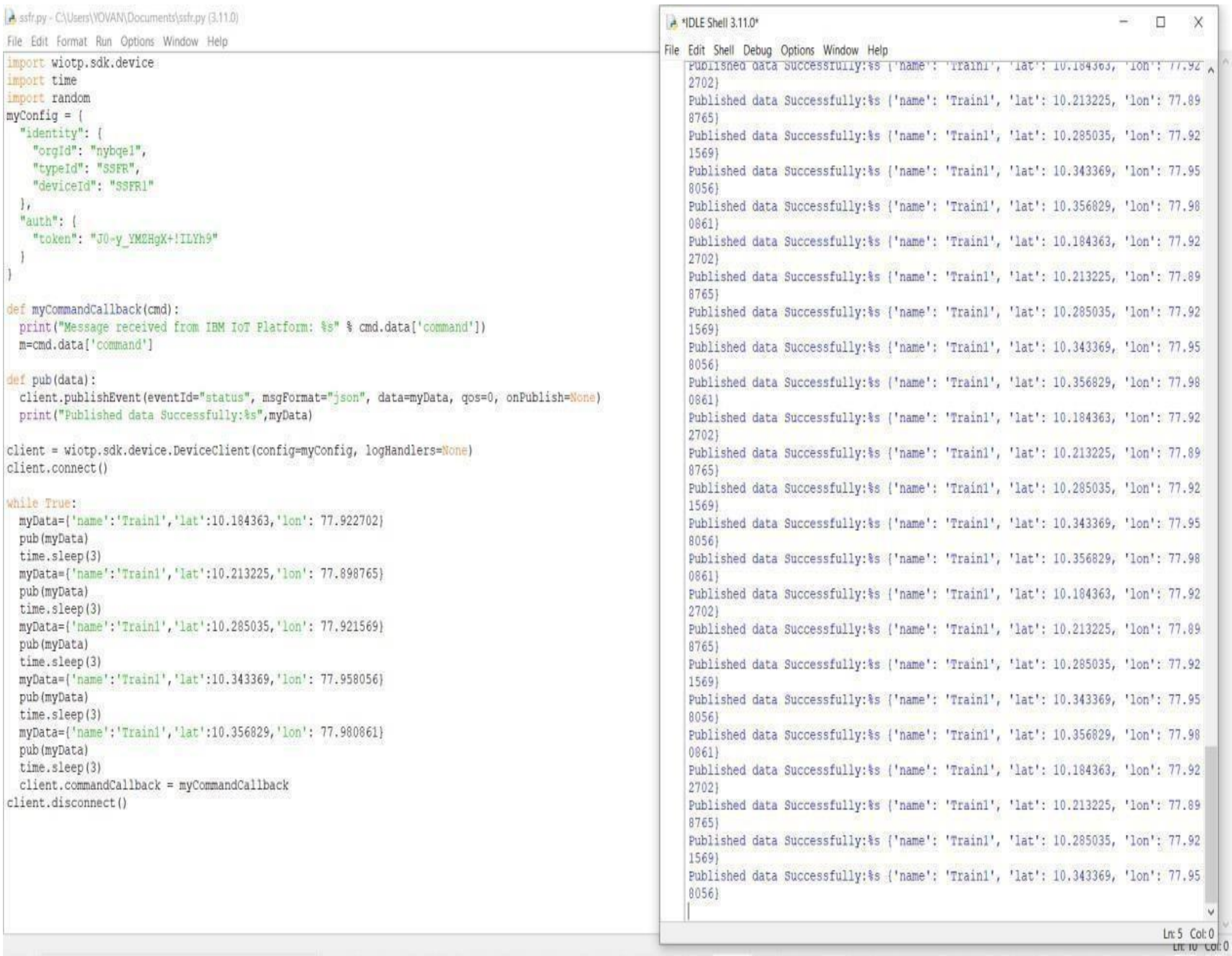
SIGNS WITH SMART CONNECTIVITY FOR ROAD SAFETY

TESTING OF WEB UI

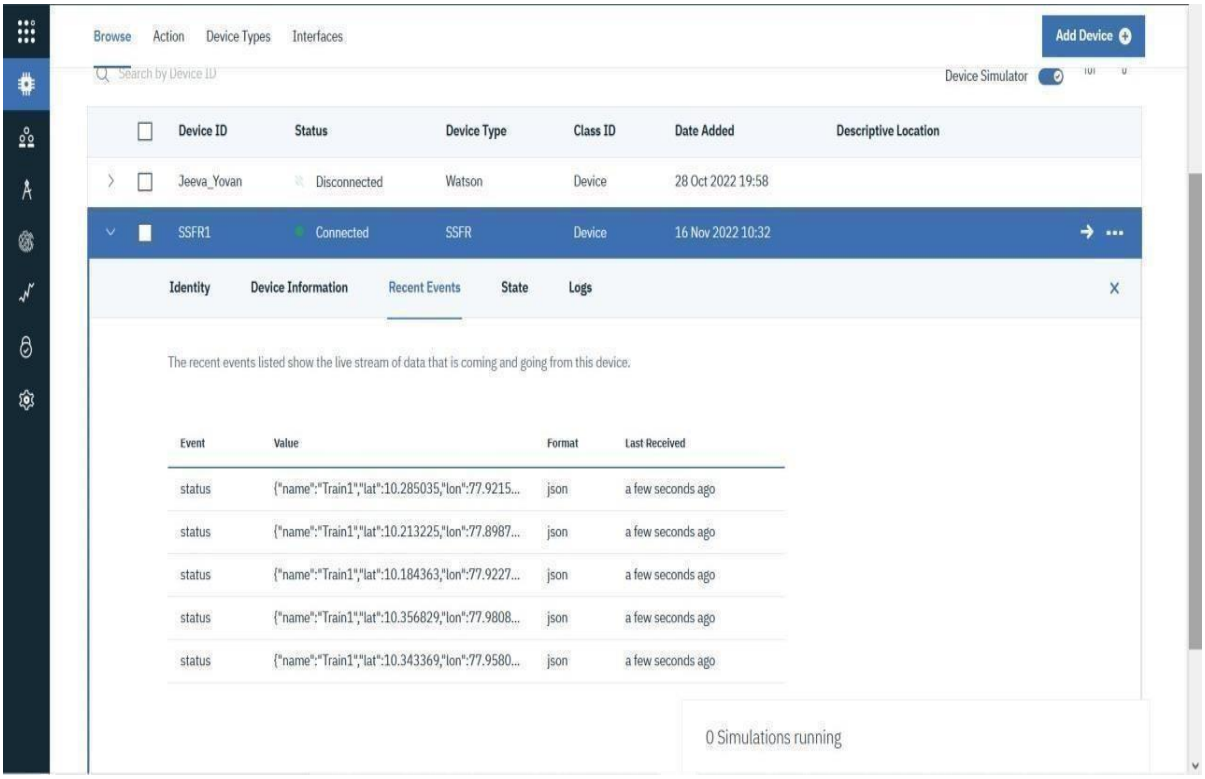
Location Tracking:

- The python code for detecting the location of the train is made to Run.
- The live status of the train is updated in the IBM Watson IoT
- Platform and it is further used by the node red application.
- The location is shown in the map via the Node red UI.

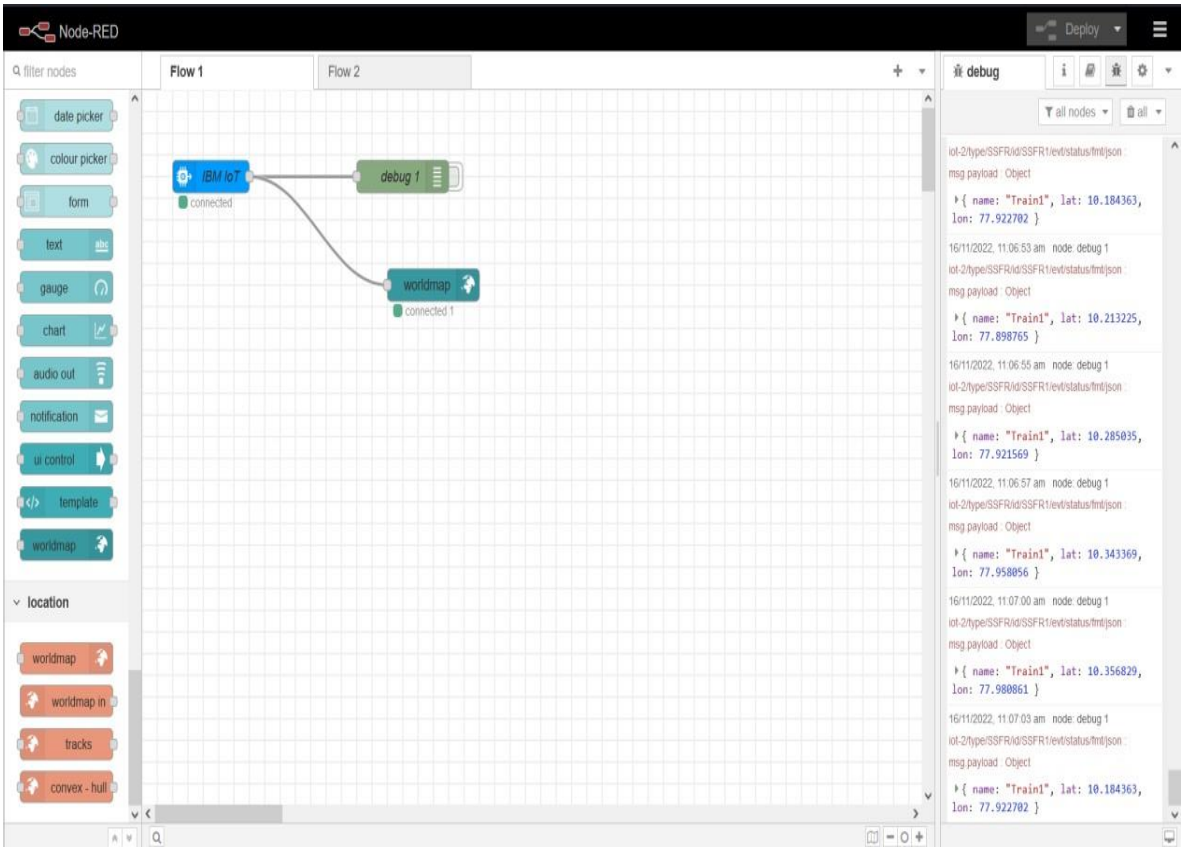
1)



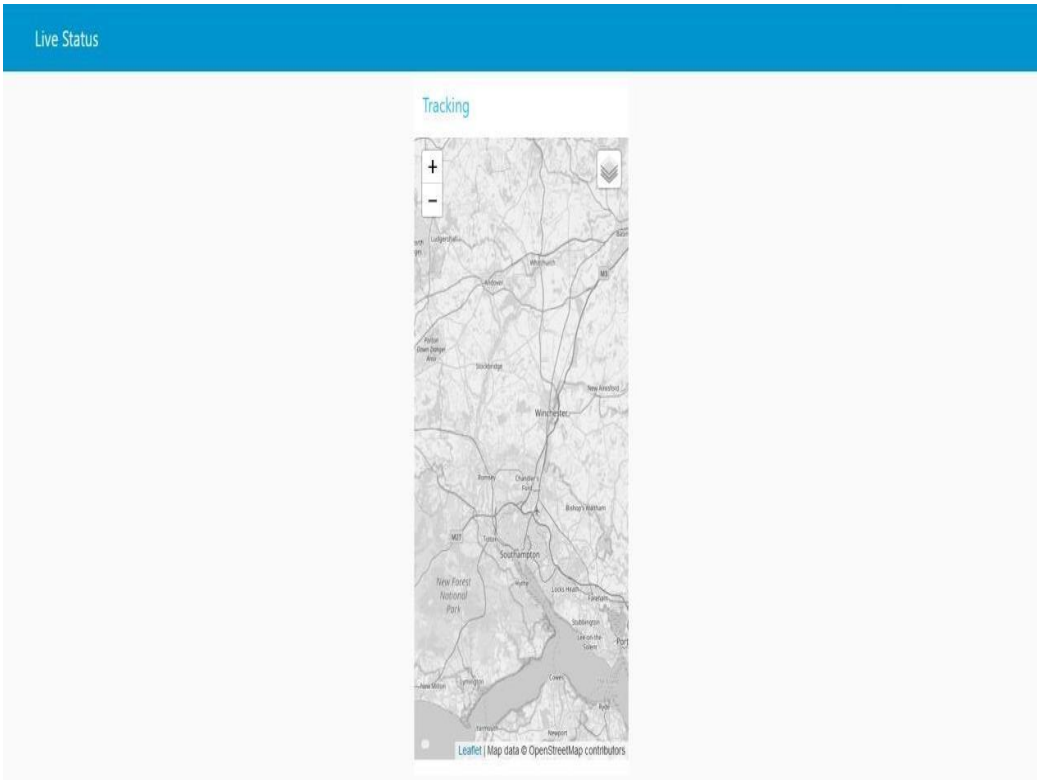
2)


Browse
Action
Device Types
Interfaces
Add Device
Search by Device ID
Device Simulator
Device ID
Status
Device Type
Class ID
Date Added
Descriptive Location
Jeeva_Yovan
Disconnected
Watson
Device
28 Oct 2022 19:58
SSFR1
Connected
SSFR
Device
16 Nov 2022 10:32
Identity
Device Information
Recent Events
State
Logs
The recent events listed show the live stream of data that is coming and going from this device.
Event
Value
Format
Last Received
status
{"name":"Train1","lat":10.285035,"lon":77.9215...
json
a few seconds ago
status
{"name":"Train1","lat":10.213225,"lon":77.8987...
json
a few seconds ago
status
{"name":"Train1","lat":10.184363,"lon":77.9227...
json
a few seconds ago
status
{"name":"Train1","lat":10.356829,"lon":77.9808...
json
a few seconds ago
status
{"name":"Train1","lat":10.343369,"lon":77.9580...
json
a few seconds ago
0 Simulations running

3)


Node-RED
Deploy
filter nodes
Flow 1
Flow 2
debug
all nodes
all
date picker
colour picker
form
text
gauge
chart
audio out
notification
ui control
template
worldmap
location
worldmap
worldmap in
tracks
convex - hull
IBM IoT
connected
debug 1
worldmap
connected 1
iot-2/type/SSFR/id/SSFR1/evt/status/fmt/json
msg.payload : Object
{ name: "Train1", lat: 10.184363, lon: 77.922702 }
16/11/2022, 11:06:53 am node: debug 1
iot-2/type/SSFR/id/SSFR1/evt/status/fmt/json
msg.payload : Object
{ name: "Train1", lat: 10.213225, lon: 77.898765 }
16/11/2022, 11:06:55 am node: debug 1
iot-2/type/SSFR/id/SSFR1/evt/status/fmt/json
msg.payload : Object
{ name: "Train1", lat: 10.285035, lon: 77.921569 }
16/11/2022, 11:06:57 am node: debug 1
iot-2/type/SSFR/id/SSFR1/evt/status/fmt/json
msg.payload : Object
{ name: "Train1", lat: 10.343369, lon: 77.958056 }
16/11/2022, 11:07:00 am node: debug 1
iot-2/type/SSFR/id/SSFR1/evt/status/fmt/json
msg.payload : Object
{ name: "Train1", lat: 10.356829, lon: 77.980861 }
16/11/2022, 11:07:03 am node: debug 1
iot-2/type/SSFR/id/SSFR1/evt/status/fmt/json
msg.payload : Object
{ name: "Train1", lat: 10.184363, lon: 77.922702 }

4)


Live Status
Tracking
+
−
Winchester
Southampton
New Forest National Park
Leaflet | Map data © OpenStreetMap contributors