

## **TESTING OF WEB UI**

**Team ID** : PNT2022TMID32983

**Project** : Smart Solutions For Railways

### **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.



Node-RED interface showing a flow named "Flow 1". The flow consists of an "IBM IoT" node connected to a "debug 1" node, which is then connected to a "worldmap" node. The "worldmap" node is also connected to a "worldmap in" node. The "debug 1" node is connected to a "worldmap" node. The "worldmap" node is connected to a "worldmap in" node. The "worldmap" node is connected to a "worldmap in" node. The "worldmap" node is connected to a "worldmap in" node.

Debug console output:

```
iot-2/type/SSFR/id/SSFR1evt/status/tni/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/SSFR1evt/status/tni/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/SSFR1evt/status/tni/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/SSFR1evt/status/tni/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/SSFR1evt/status/tni/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/SSFR1evt/status/tni/json
msg payload: Object
{
  name: "Train1", lat: 10.184363,
  lon: 77.922702
}
```

Live Status

Tracking



Leaflet | Map data © OpenStreetMap contributors