

CAPE INSTITUTE OF TECHNOLOGY

LEVINJIPURAM

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

IBM NALAIYA THIRAN

TEAM LEADER: RAJI M

TEAM MEMBERS:

1.JEBA GNANA BENCY S

2.PERIYA NAYAKI V

3.THASHNI C

TEAM ID:PNT2022TMID34365

PROJECT NAME:SMART SOLUTIONS FOR RAILWAYS

**PROJECT DEVELOPMENT PHASE
SPRINT – 2**

Objective:

- To locate these values in the Map using node red application

Node Red Flow:

✚ By testing this node red flow we can get the location of the train in the map.

The screenshot displays the Node-RED web interface in a browser. The left sidebar shows a palette with nodes categorized under 'location', including 'worldmap', 'worldmap in', 'tracks', and 'convex - hull'. The main workspace, titled 'Flow 1', contains a flow starting with an 'IBM IoT' node (labeled 'connected'), which connects to a 'msg.payload' node, and finally to a 'worldmap' node. The right sidebar shows a 'debug' console with a list of messages. Each message is a JSON object containing a timestamp, a node ID, and a payload with a 'randomNumber' property. The messages are as follows:

```
11/18/2022, 11:13:28 AM node: b486239056931e00  
iot:2?type=nodesredid/388300/ev/1event_11fmt/json :  
msg.payload : Object  
  {  
    randomNumber: 76  
  }  
11/18/2022, 11:13:28 AM node: b486239056931e00  
iot:2?type=nodesredid/388300/ev/1event_11fmt/json :  
msg.payload : Object  
  {  
    randomNumber: 5  
  }  
11/18/2022, 11:17:20 AM node: b486239056931e00  
iot:2?type=nodesredid/388300/ev/1event_11fmt/json :  
msg.payload : Object  
  {  
    randomNumber: 84  
  }  
11/18/2022, 11:17:20 AM node: b486239056931e00  
iot:2?type=nodesredid/388300/ev/1event_11fmt/json :  
msg.payload : Object  
  {  
    randomNumber: 50  
  }
```

Tracking

