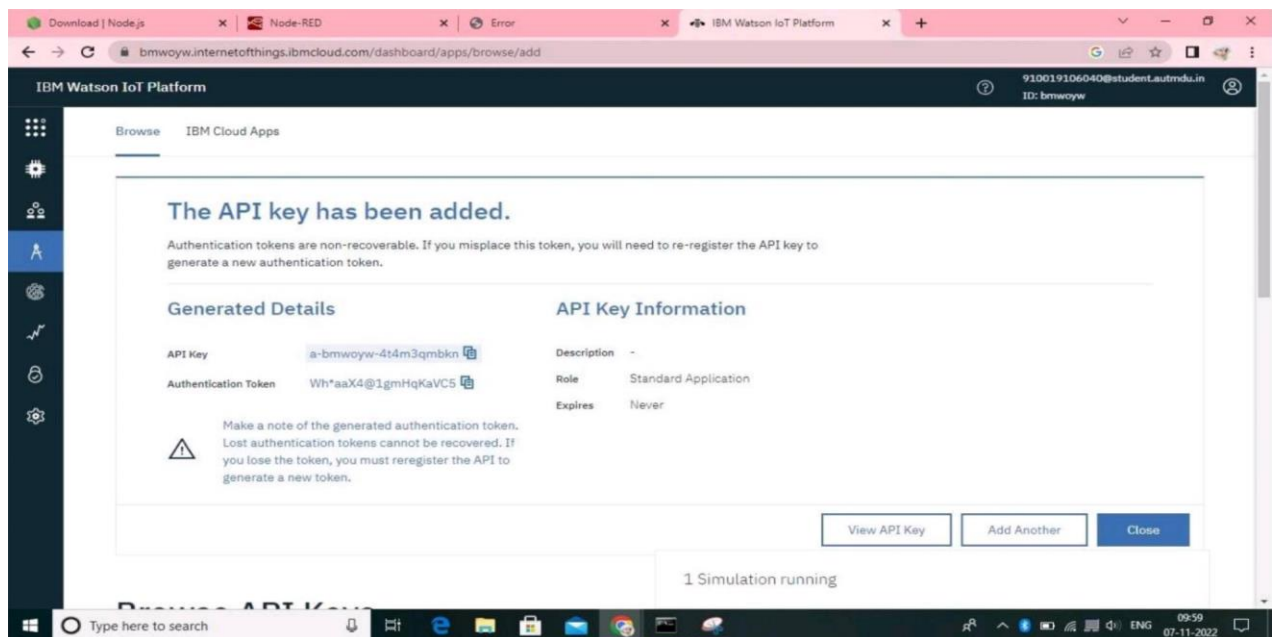


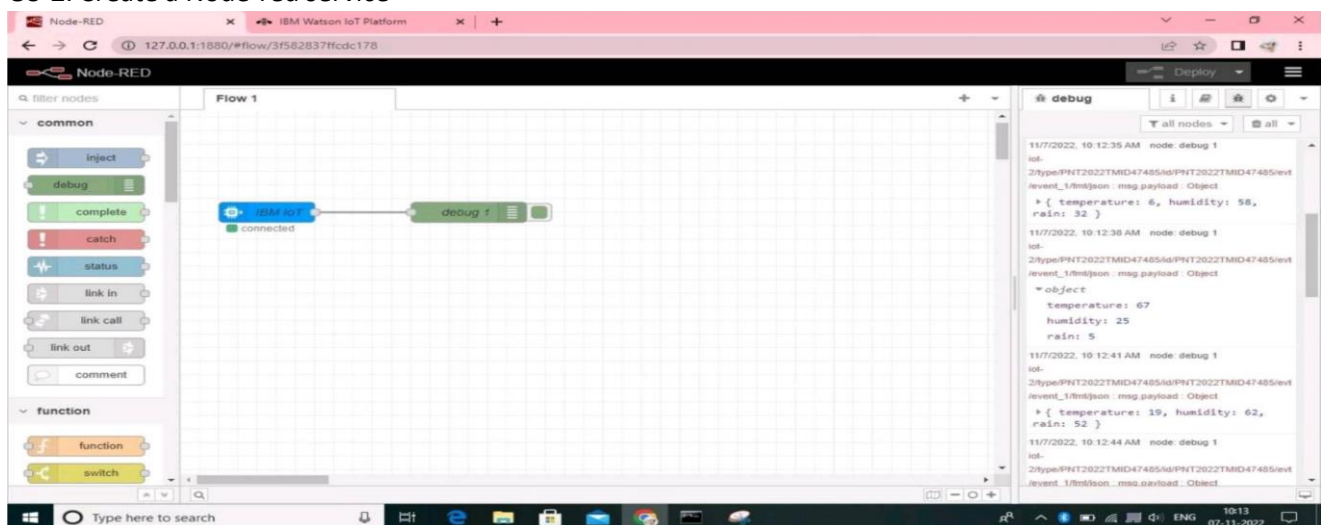
Sprint-2

Date	07-11-2022
Team ID	PNT2022TMID23778
Project name	Signs with Smart Connectivity for Better Road Safety
Maximum marks	20 marks

US-1: Configure the connection security and create API keys that are used in the Node-red service for accessing the IBM IOT platform



US-2: Create a Node-red service



Node-RED interface showing a flow with an IBM IoT node connected to a debug node. The 'Edit gauge node' dialog is open, displaying properties for a gauge node. The 'Group' is '[weather] road safety', 'Type' is 'Gauge', 'Label' is 'humidity', 'Value format' is '({value})', 'Units' is 'units', 'Range' is 'min 0 max 100', and 'Colour gradient' is a red-to-blue gradient. The 'debug' console shows the following log entries:

```
11/7/2022, 10:12:35 AM node: debug 1
iot-
2/type/PNT2022TMD47485/id/PNT2022TMD47485/ev
/vent_1/fmt/json : msg.payload : Object
  { temperature: 6, humidity: 58,
    rain: 32 }
11/7/2022, 10:12:38 AM node: debug 1
iot-
2/type/PNT2022TMD47485/id/PNT2022TMD47485/ev
/vent_1/fmt/json : msg.payload : Object
  { temperature: 67,
    humidity: 25,
    rain: 5 }
11/7/2022, 10:12:41 AM node: debug 1
iot-
2/type/PNT2022TMD47485/id/PNT2022TMD47485/ev
/vent_1/fmt/json : msg.payload : Object
  { temperature: 19, humidity: 62,
    rain: 52 }
```

Node-RED interface showing the same flow, but the 'Edit gauge node' dialog is now configured for 'rain' instead of 'humidity'. The 'Label' is 'rain', and the 'Value format' is '({value})'. The 'debug' console shows the following log entries:

```
11/7/2022, 10:12:35 AM node: debug 1
iot-
2/type/PNT2022TMD47485/id/PNT2022TMD47485/ev
/vent_1/fmt/json : msg.payload : Object
  { temperature: 6, humidity: 58,
    rain: 32 }
11/7/2022, 10:12:38 AM node: debug 1
iot-
2/type/PNT2022TMD47485/id/PNT2022TMD47485/ev
/vent_1/fmt/json : msg.payload : Object
  { temperature: 67,
    humidity: 25,
    rain: 5 }
11/7/2022, 10:12:41 AM node: debug 1
iot-
2/type/PNT2022TMD47485/id/PNT2022TMD47485/ev
/vent_1/fmt/json : msg.payload : Object
  { temperature: 19, humidity: 62,
    rain: 52 }
```

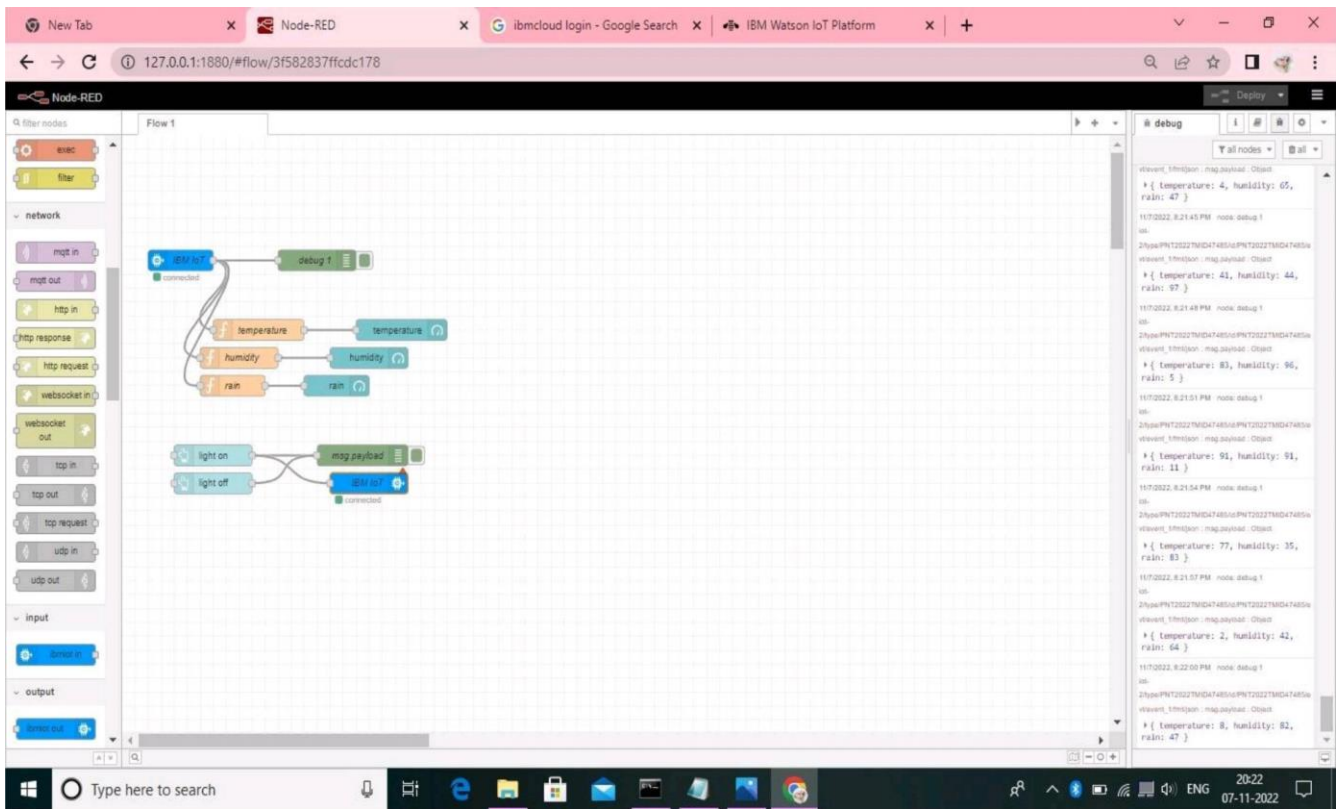
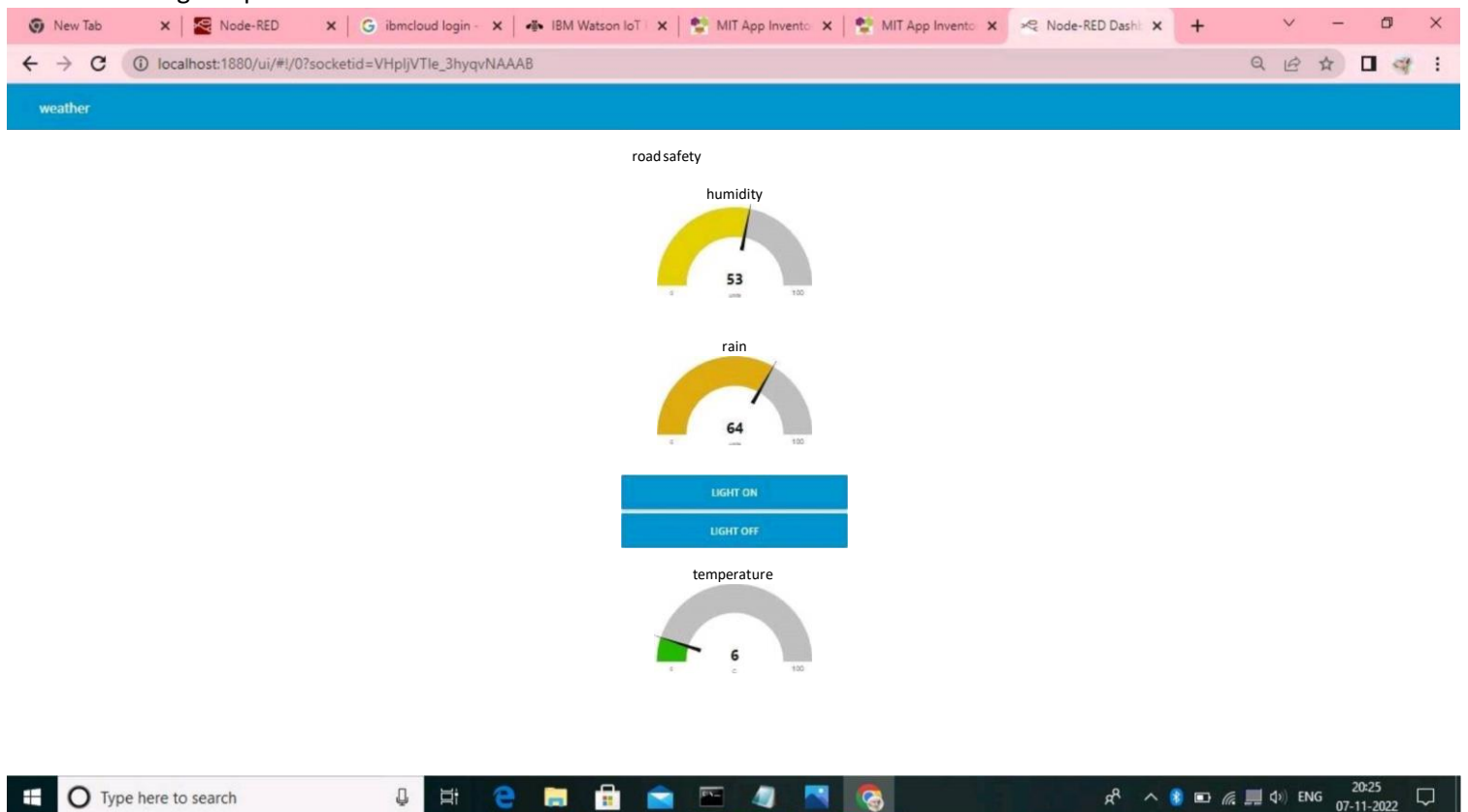
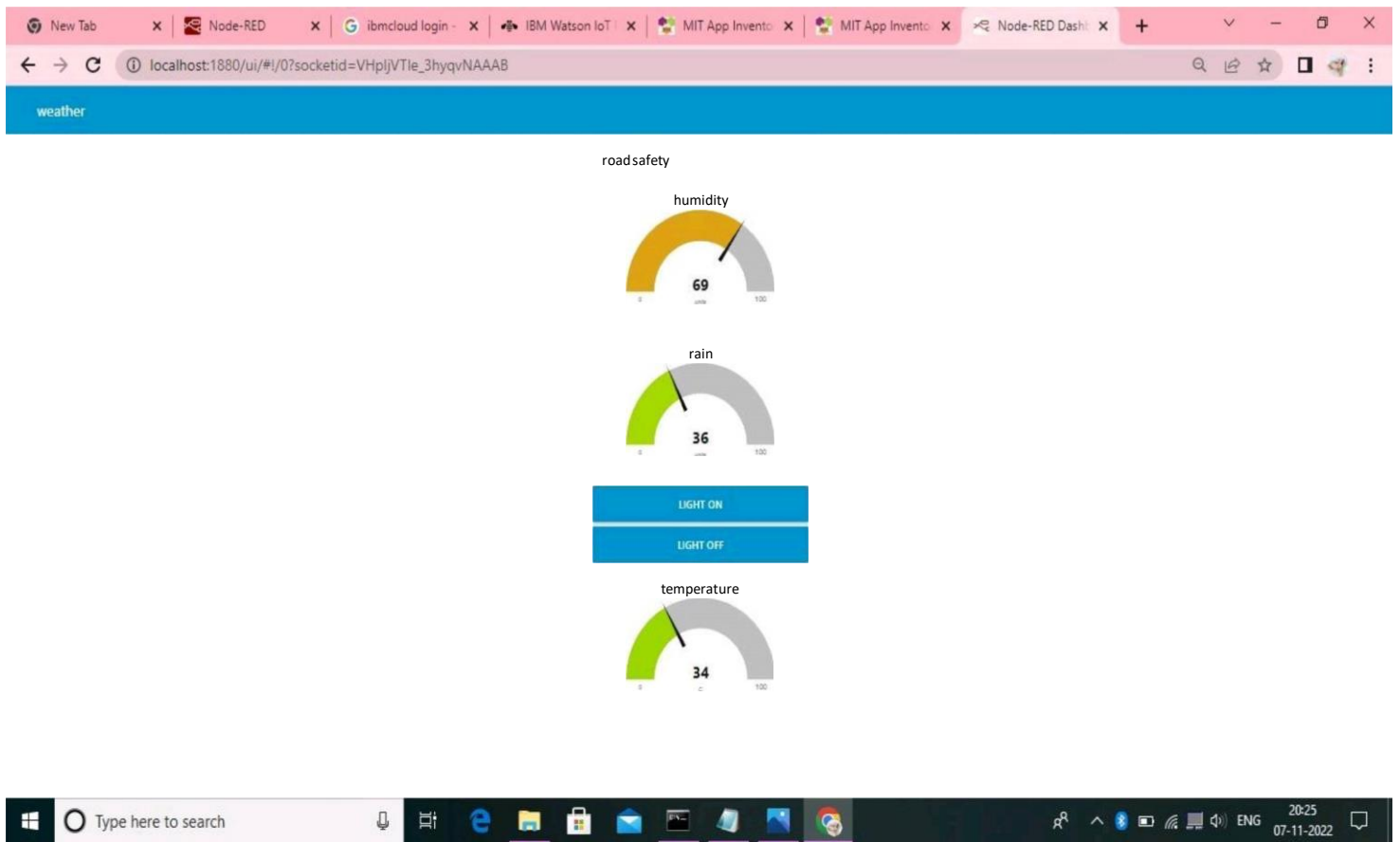


Fig: output from recent events





MIT APP INVERTER TO DESIGN THE APP:

