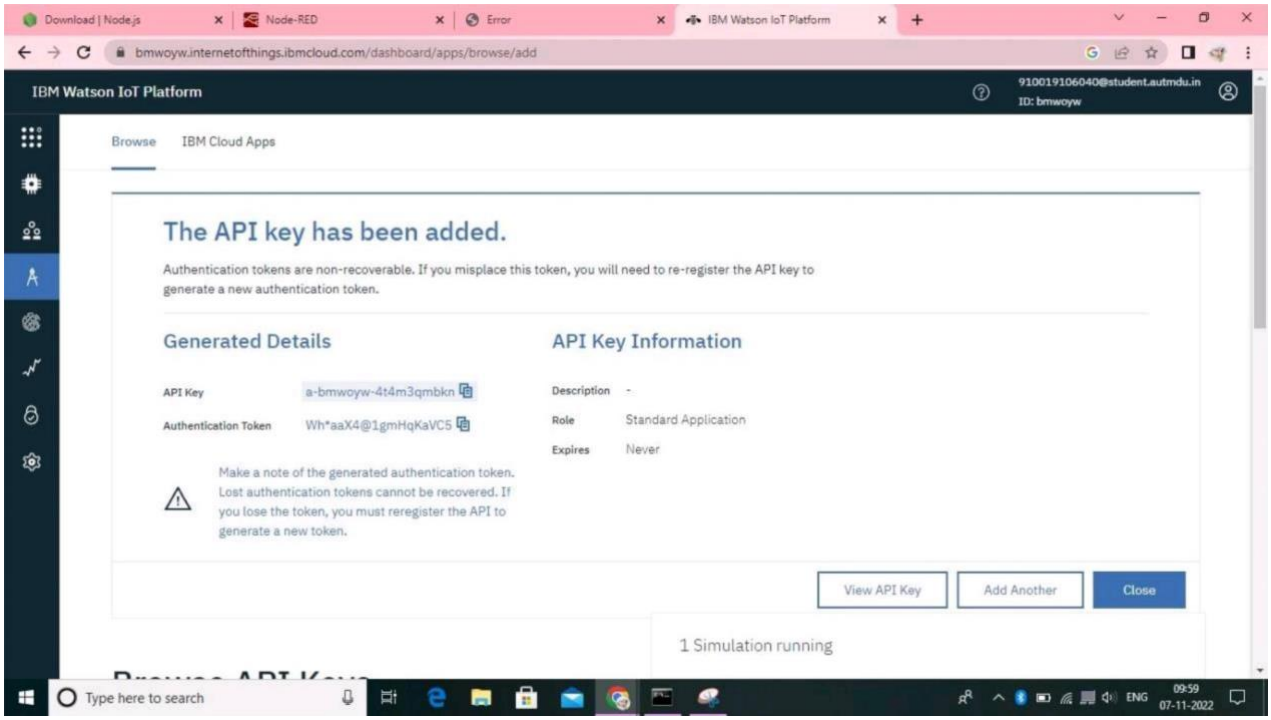
Date		14-11-2022
Team ID		PNT2022TMID41135
Project name		Signs with smart connectivity for better road safety
Maximum marks		20 marks
Sprint-2	US-I	Configure the connection security and create API keys that are used in the Node-RED service for accessing the IBM IOT Platform.
Sprint-2	US-2	Create a Node-RED service.

US-I 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

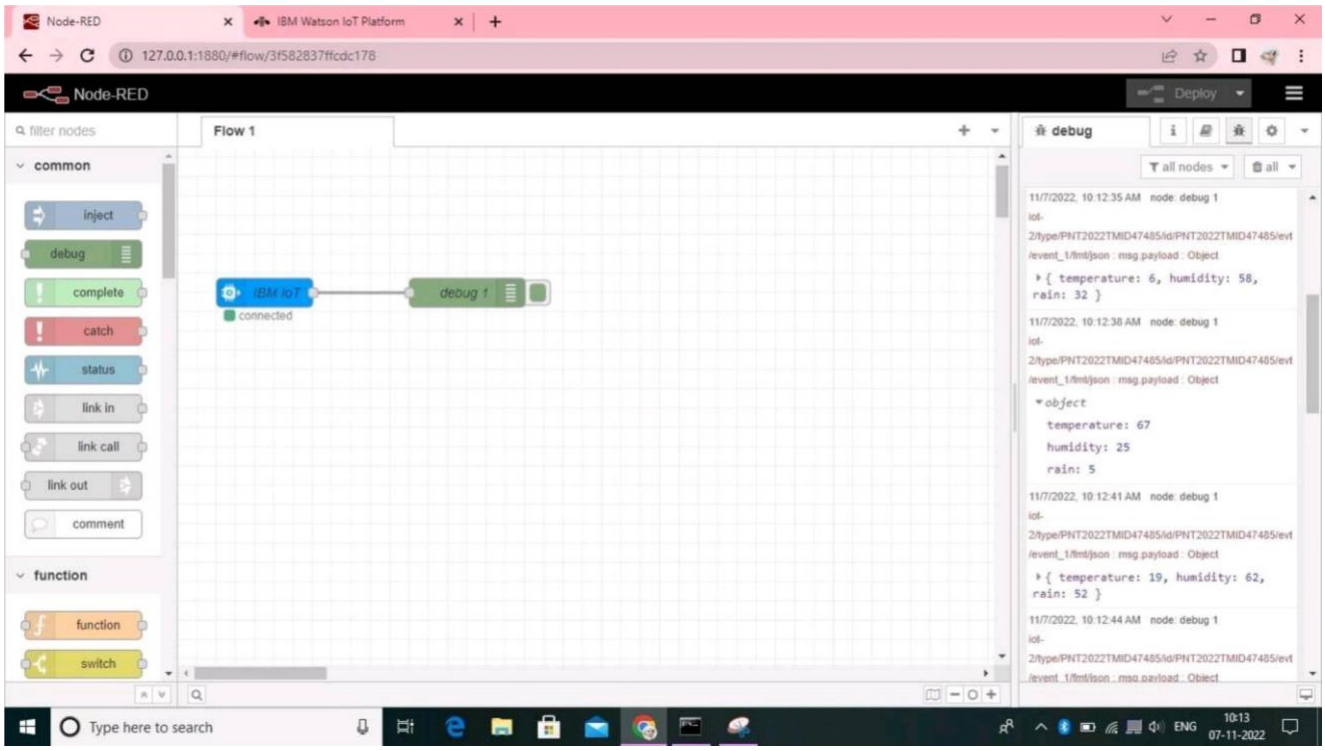
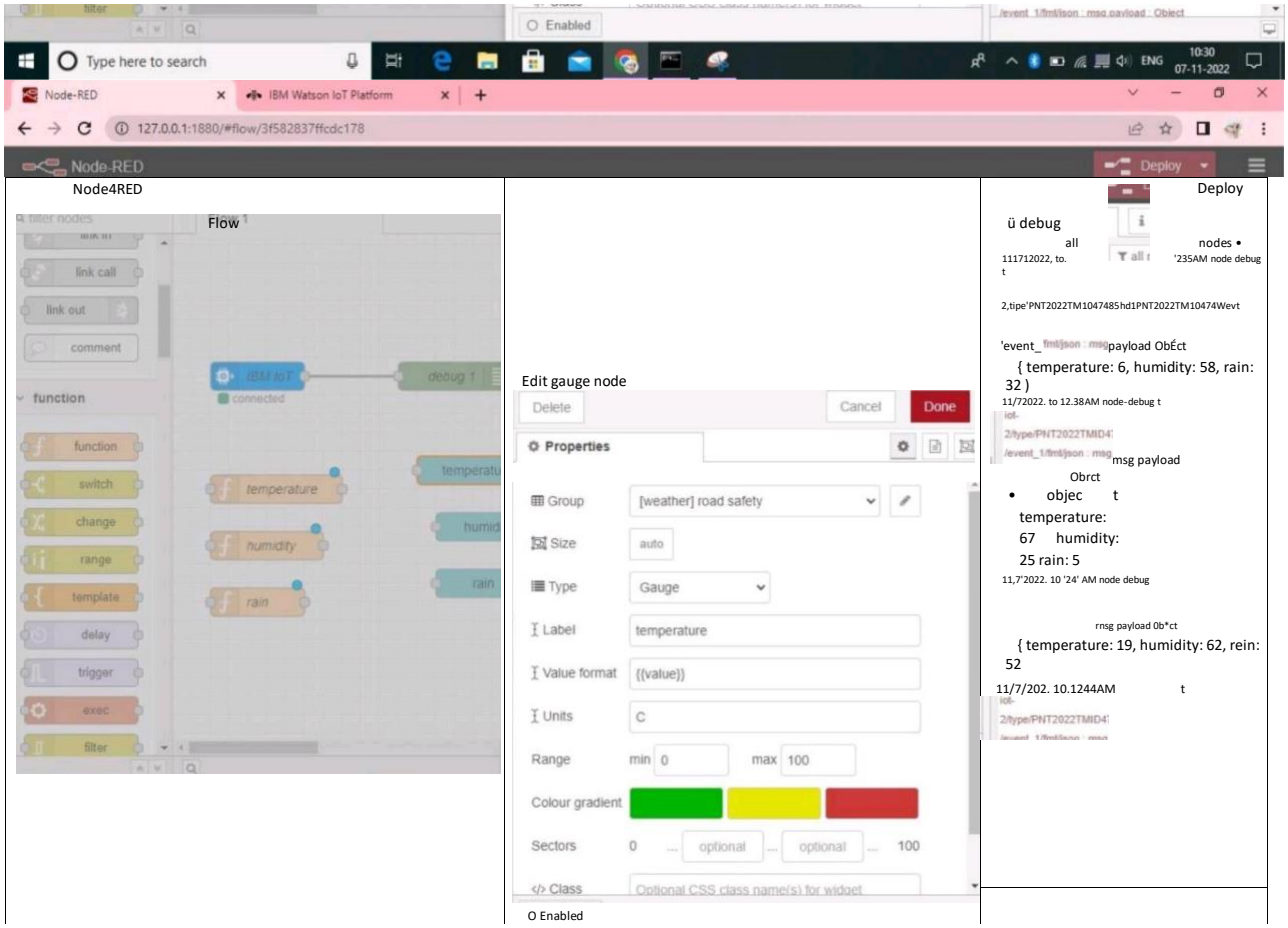
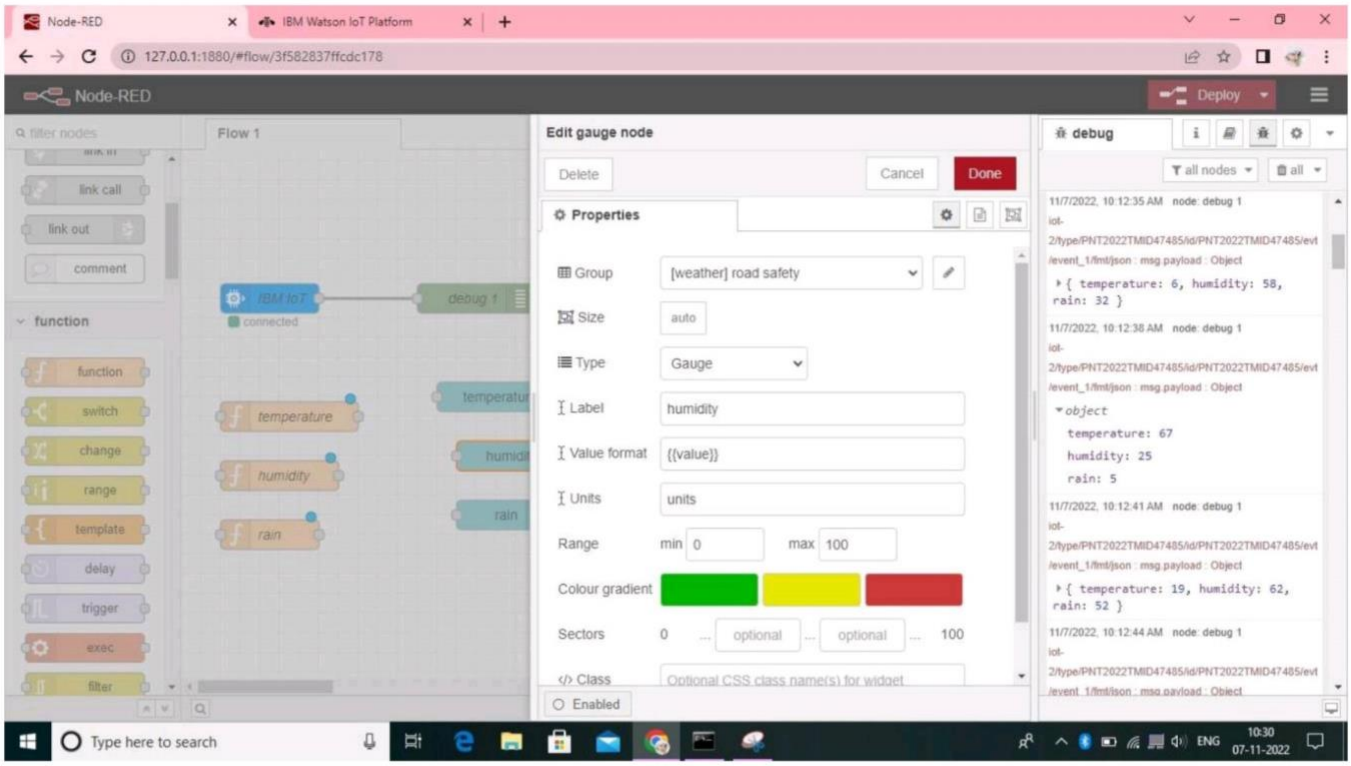
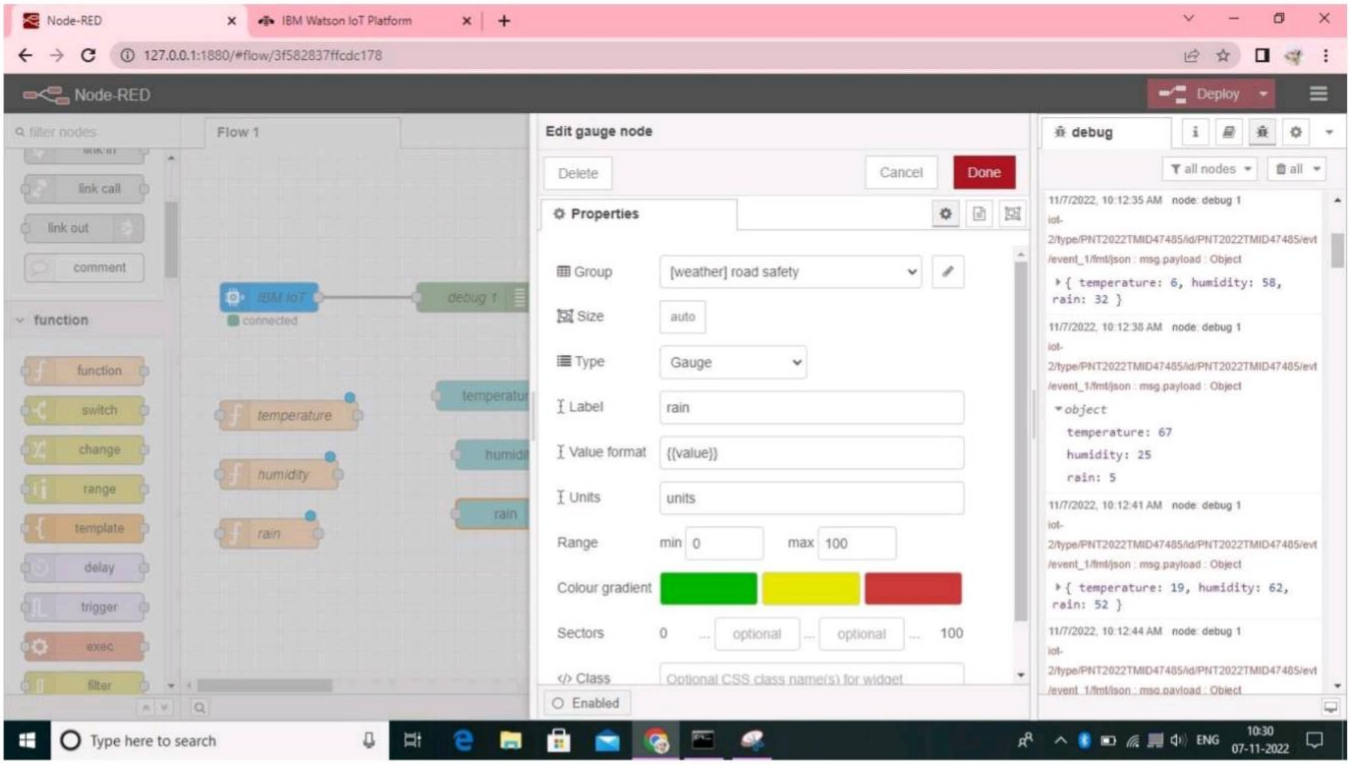


Fig: Monitoring the sensor values- temperature, humidity, rain .




Node-RED
IBM Watson IoT Platform
127.0.0.1:1880/#flow/3f582837ffcdc178
Deploy
Flow 1
Edit gauge node
Delete
Cancel
Done
Properties
Group
[weather] road safety
Size
auto
Type
Gauge
Label
humidity
Value format
{{value}}
Units
units
Range
min 0
max 100
Colour gradient
Sectors
0
optional
optional
100
Class
Optional CSS class name(s) for widget
Enabled
debug
all nodes
all
11/7/2022, 10:12:35 AM node: debug 1
{ temperature: 6, humidity: 58, rain: 32 }
11/7/2022, 10:12:38 AM node: debug 1
object
temperature: 67
humidity: 25
rain: 5
11/7/2022, 10:12:41 AM node: debug 1
{ temperature: 19, humidity: 62, rain: 52 }
11/7/2022, 10:12:44 AM node: debug 1
link call
link out
comment
function
switch
change
range
template
delay
trigger
exec
filter
IBM IoT
connected
debug 1
temperature
humidity
rain
Type here to search
ENG
10:30
07-11-2022


Node-RED
IBM Watson IoT Platform
127.0.0.1:1880/#flow/3f582837ffcdc178
Deploy
Flow 1
Edit gauge node
Delete
Cancel
Done
Properties
Group
[weather] road safety
Size
auto
Type
Gauge
Label
rain
Value format
{{value}}
Units
units
Range
min 0
max 100
Colour gradient
Sectors
0
optional
optional
100
Class
Optional CSS class name(s) for widget
Enabled
debug
all nodes
all
11/7/2022, 10:12:35 AM node: debug 1
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Type here to search
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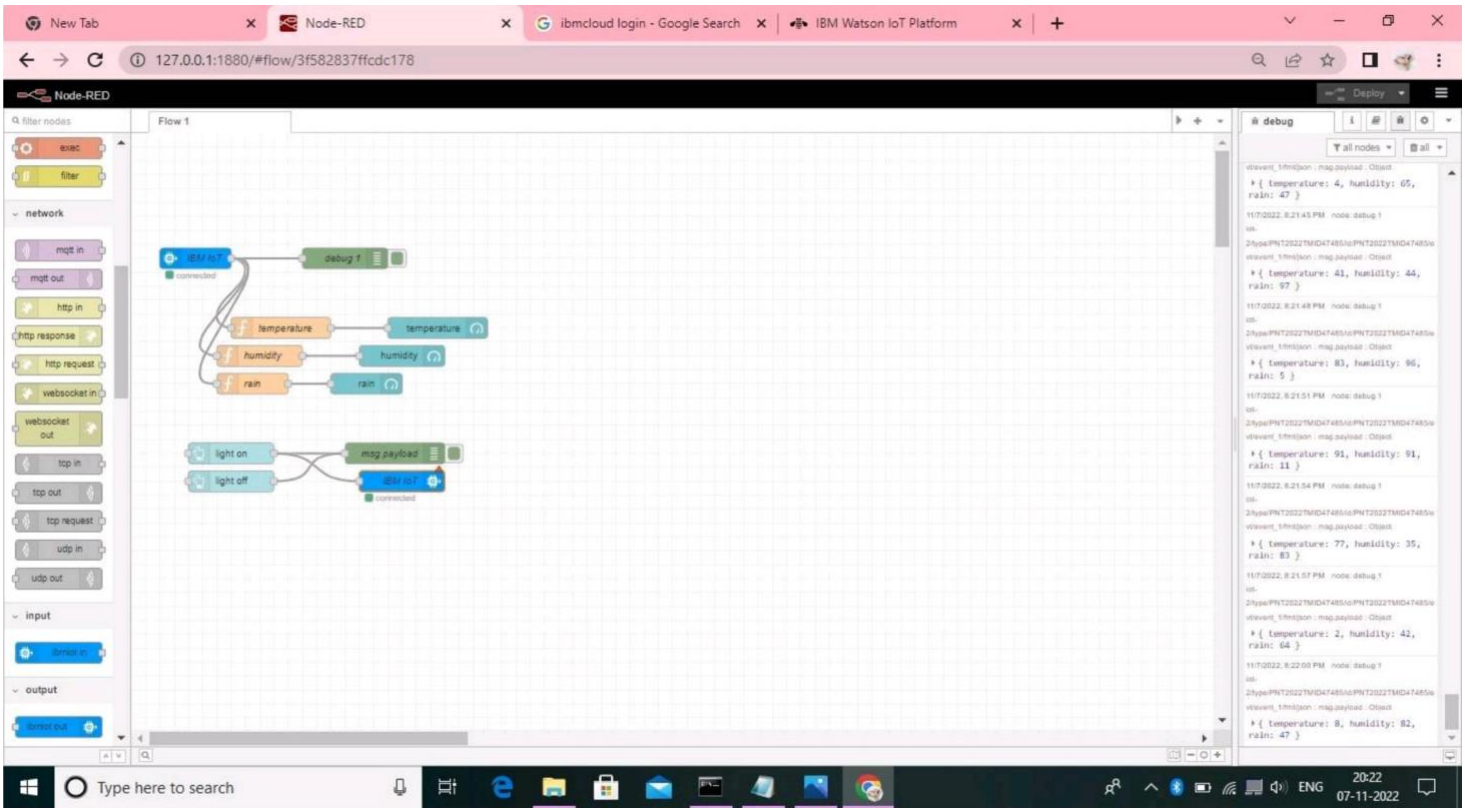
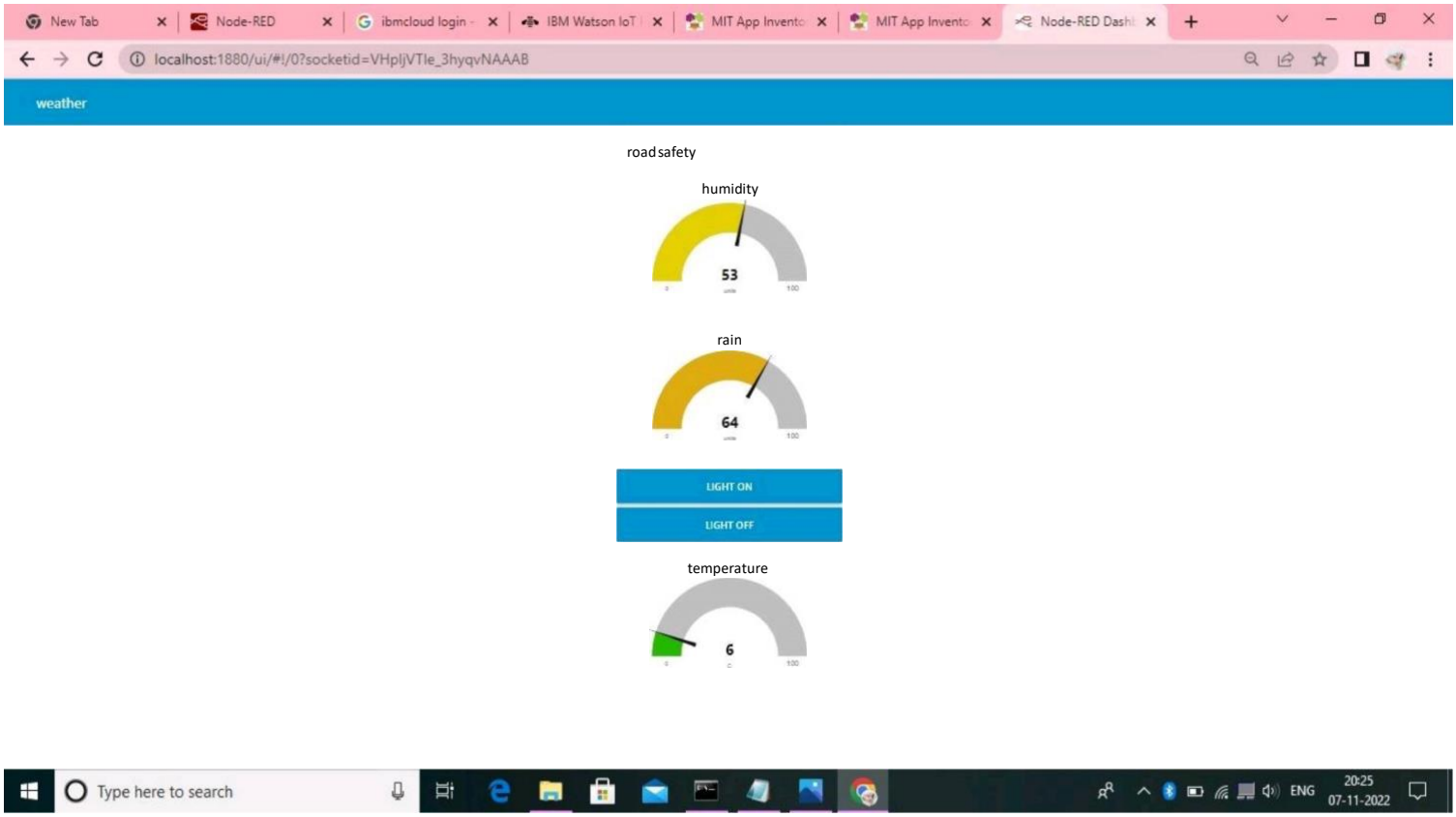
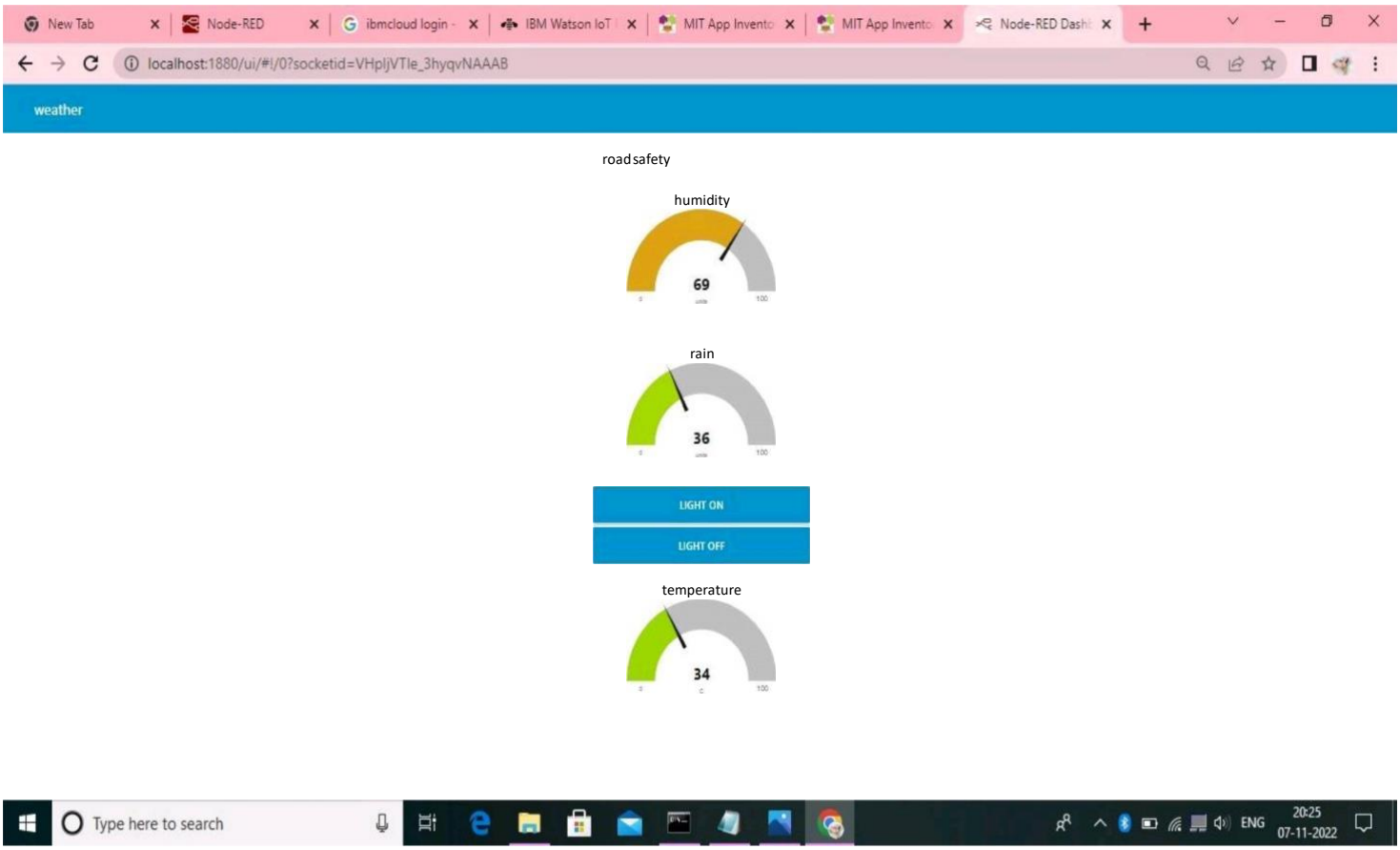
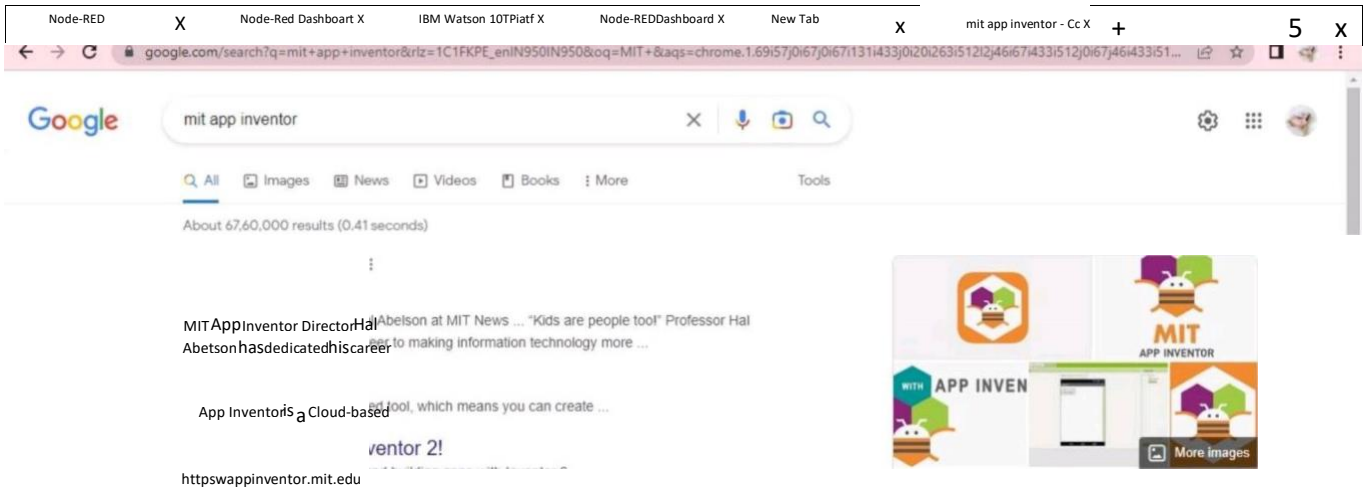


Fig: output from recent events





MIT APP INVERTER TO DESIGN THE APP:



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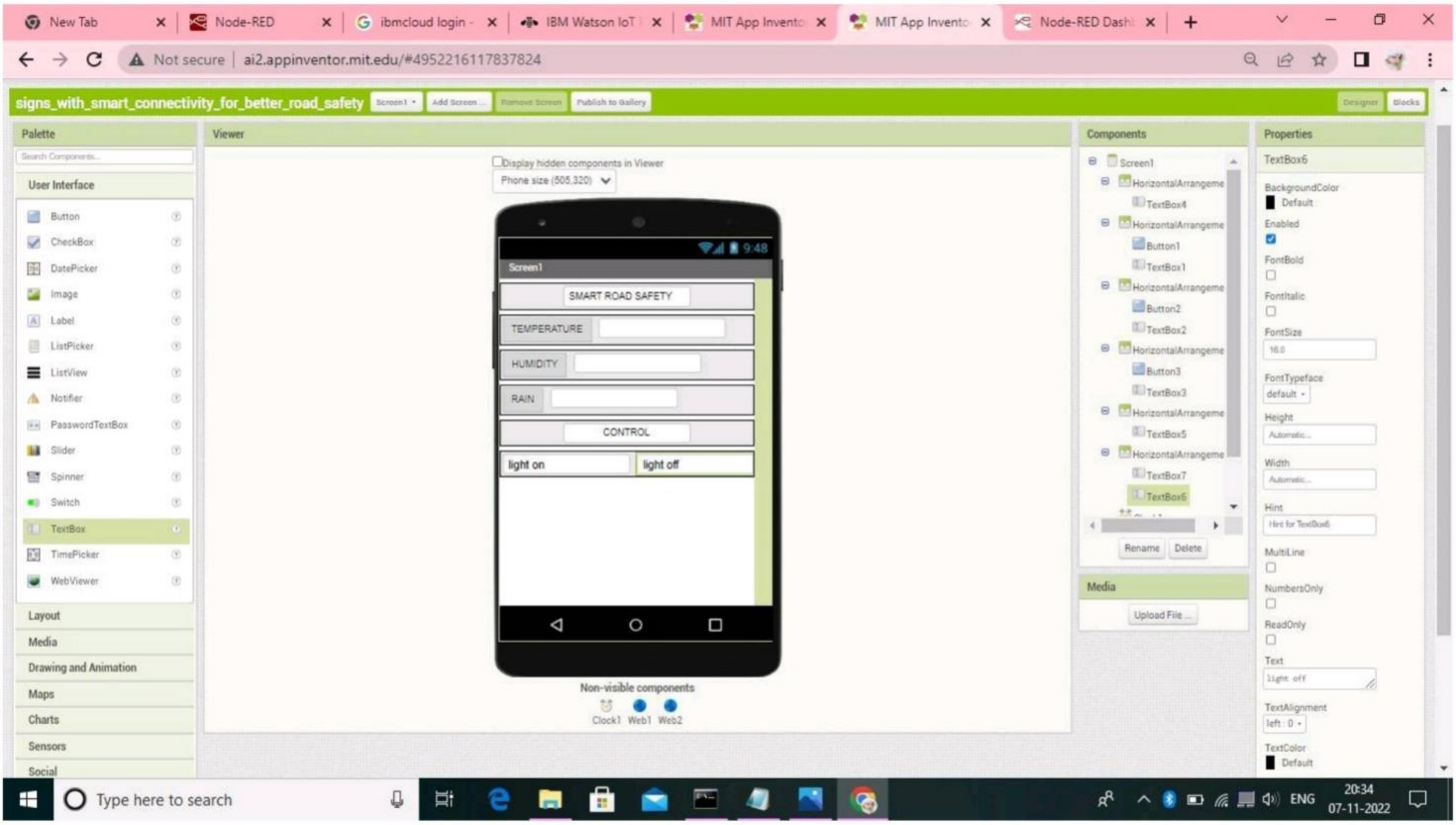
signs_with_smart_connectivity_for_better_road_safety
Palette
Viewer
Components
Properties
Media
SMART ROAD SAFETY
TEMPERATURE
HUMIDITY
RAIN
CONTROL
light on
light off
Non-visible components
Clock1
Web1
Web2