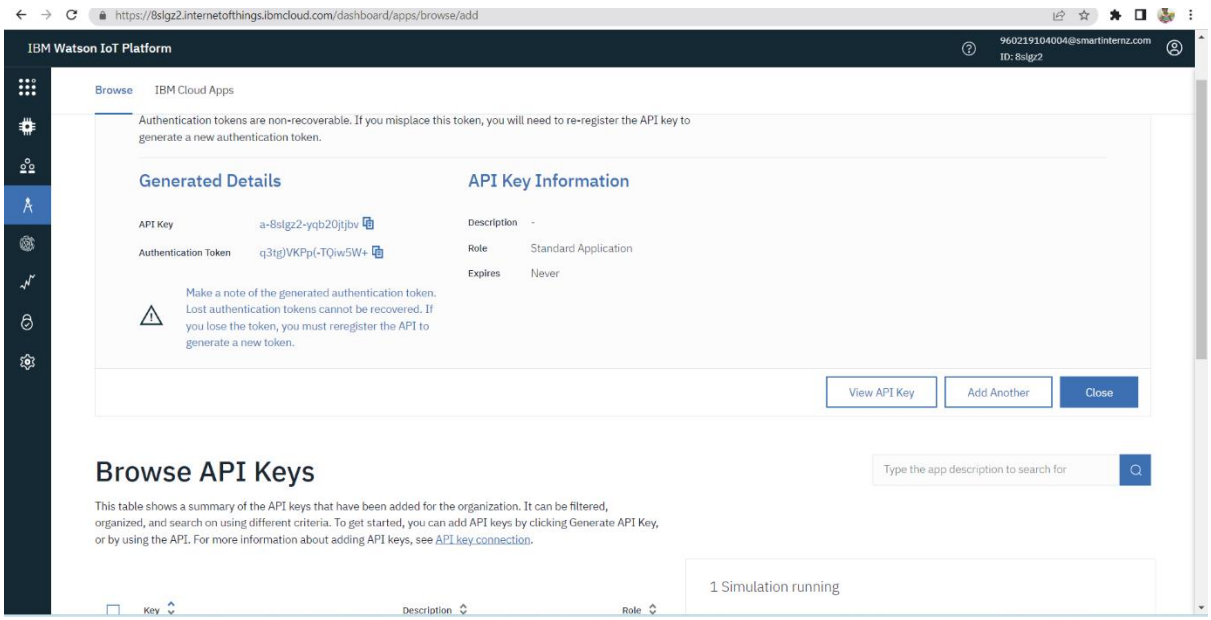
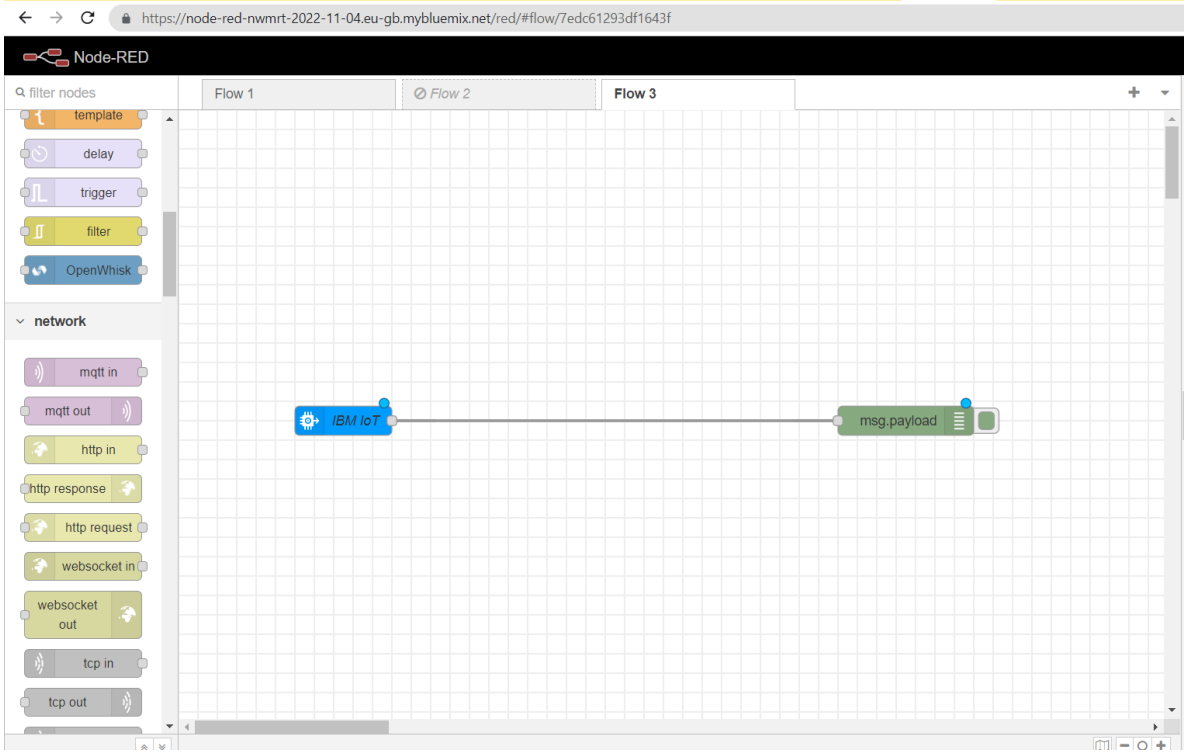
Sprint-2

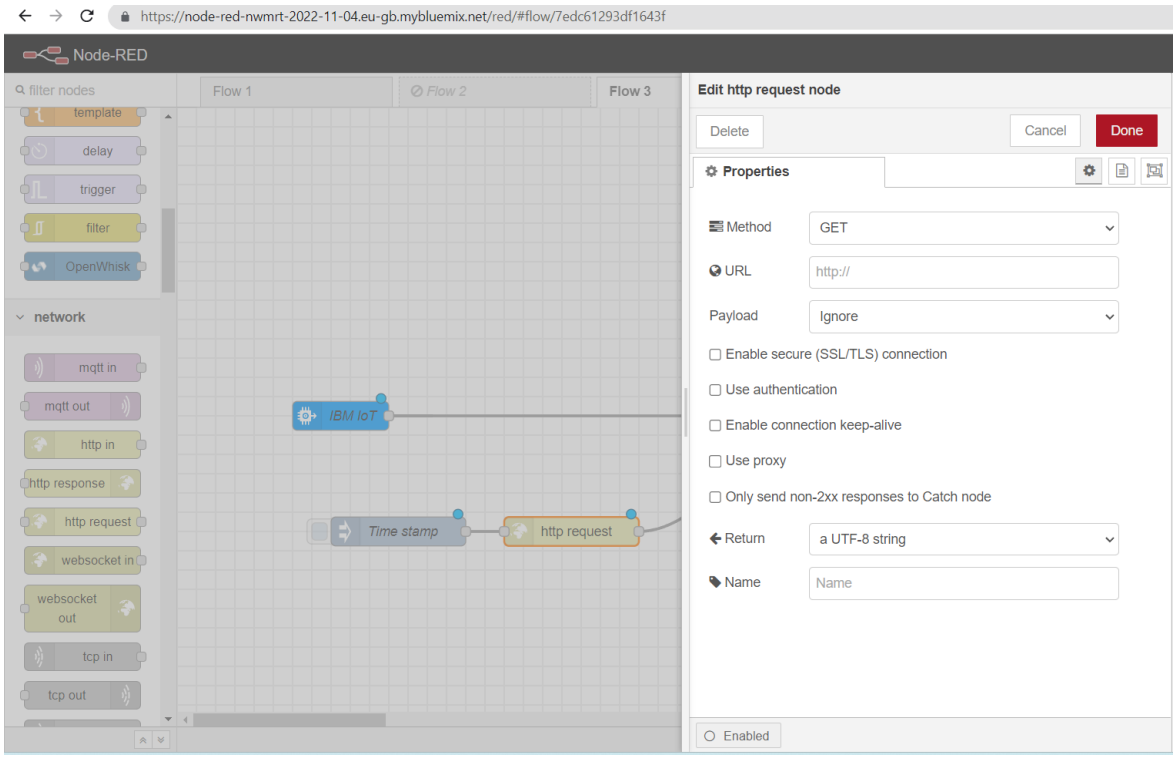
Date	18-11-2022
Team ID	PNT2022TMID33963
Project name	Signs with smart connectivity for better road safety
Maximum marks	20 marks

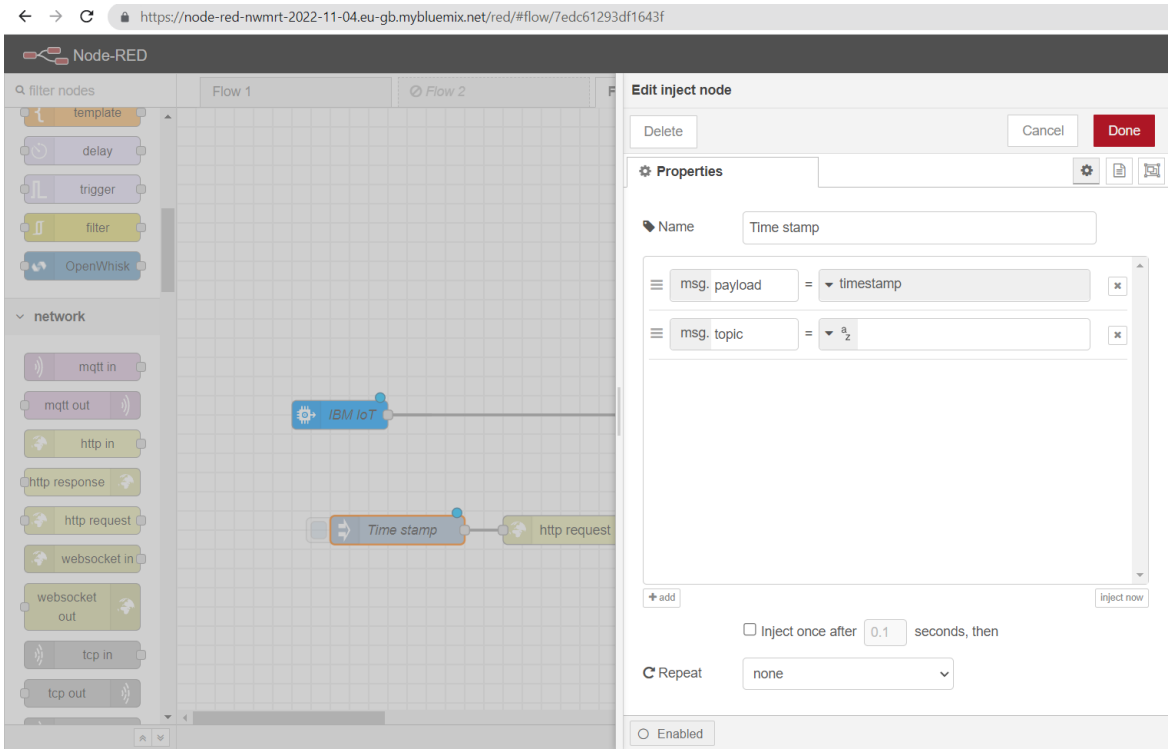
US-1: Configure the connection security and create API keys that are used in the Node-red service for accessingthe IBM IOT platform.

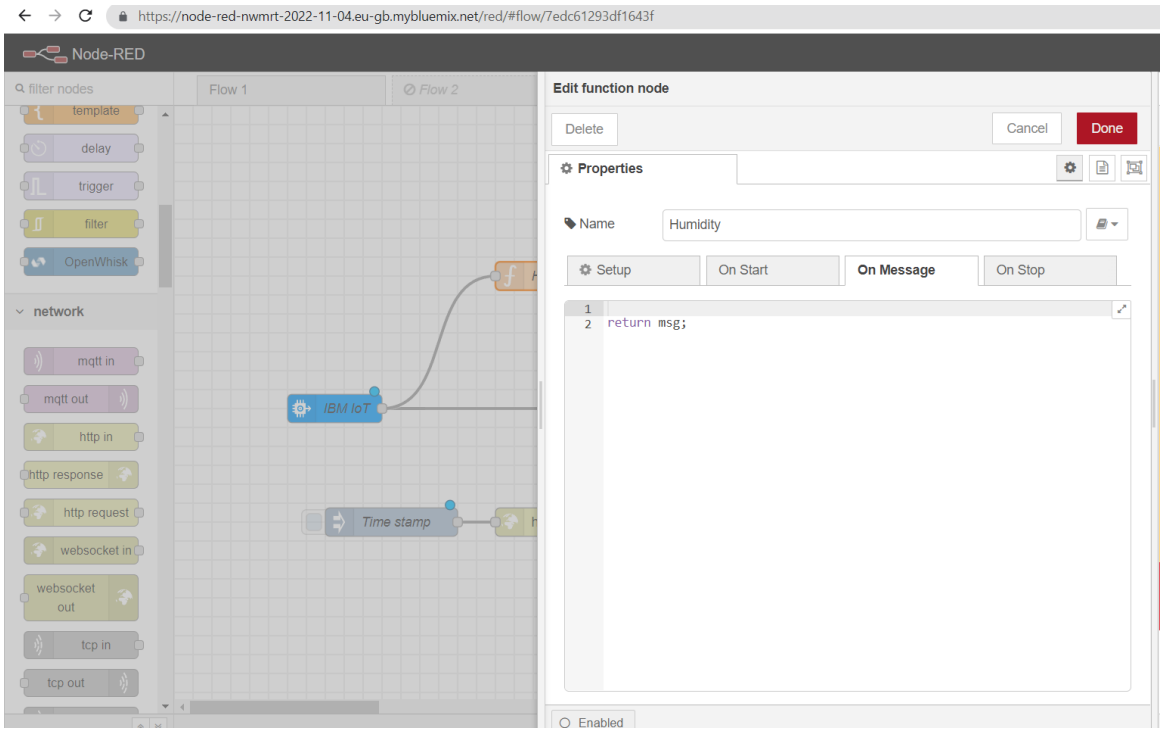


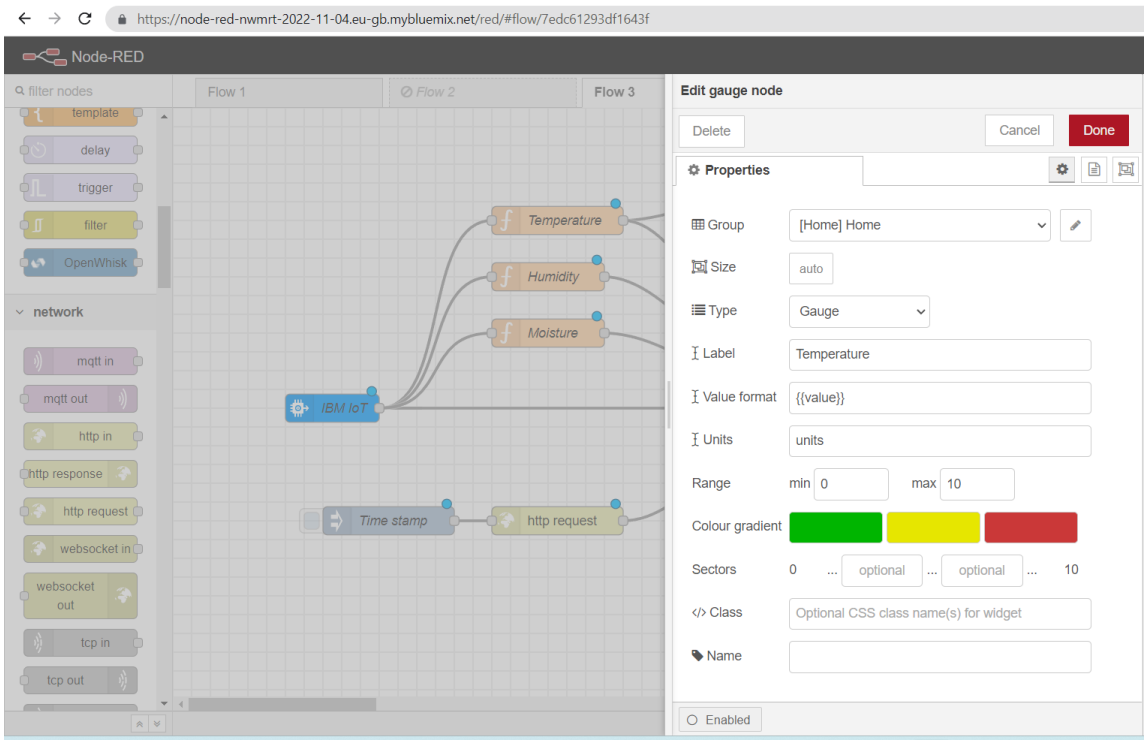
US-2: Create a Node-red service.

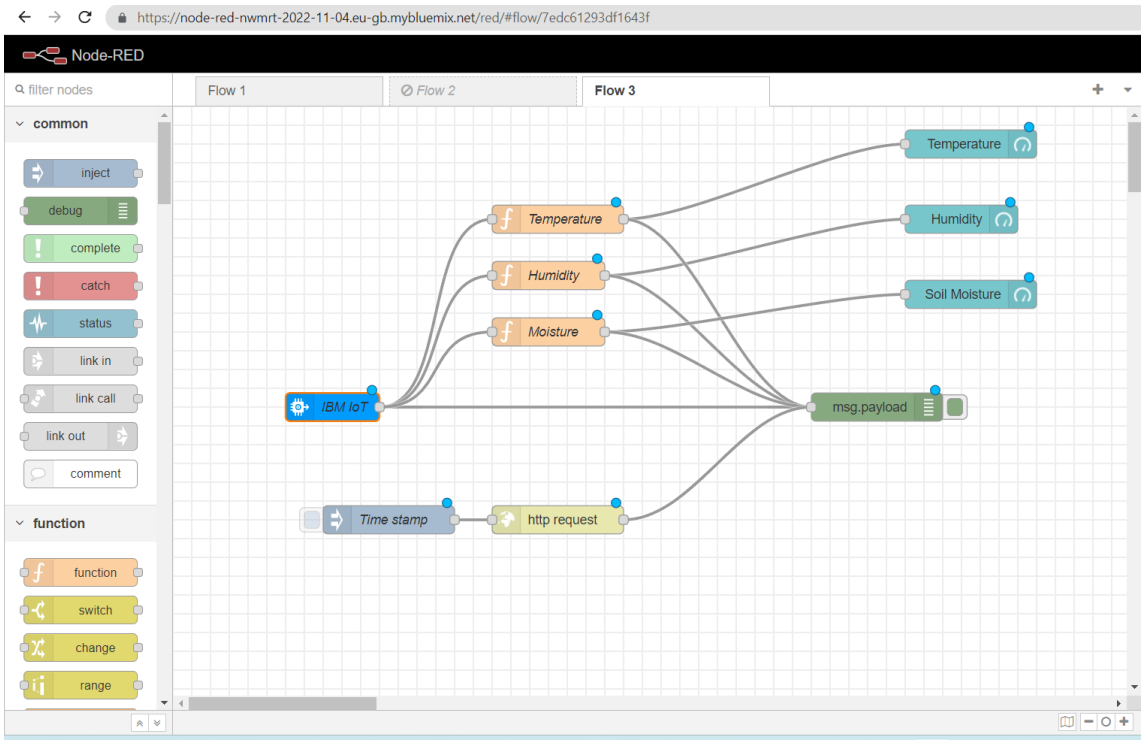





https://node-red-nwmrt-2022-11-04.eu-gb.mybluemix.net/red/#flow/7edc61293df1643f
Node-RED
filter nodes
Flow 1
Flow 2
template
delay
trigger
filter
OpenWhisk
network
mqtt in
mqtt out
http in
http response
http request
websocket in
websocket out
tcp in
tcp out
IBM IoT
Time stamp
http request
Edit inject node
Delete
Cancel
Done
Properties
Name
Time stamp
msg. payload
timestamp
msg. topic
add
inject now
Inject once after
0.1
seconds, then
Repeat
none
Enabled


https://node-red-nwmrt-2022-11-04.eu-gb.mybluemix.net/red/#flow/7edc61293df1643f
Node-RED
filter nodes
Flow 1
Flow 2
template
delay
trigger
filter
OpenWhisk
network
mqtt in
mqtt out
http in
http response
http request
websocket in
websocket out
tcp in
tcp out
IBM IoT
Time stamp
Edit function node
Delete
Cancel
Done
Properties
Name
Humidity
Setup
On Start
On Message
On Stop
1
2
return msg;
Enabled


https://node-red-nwmrt-2022-11-04.eu-gb.mybluemix.net/red/#flow/7edc61293df1643f
Node-RED
filter nodes
Flow 1
Flow 2
Flow 3
template
delay
trigger
filter
OpenWhisk
network
mqtt in
mqtt out
http in
http response
http request
websocket in
websocket out
tcp in
tcp out
Temperature
Humidity
Moisture
IBM IoT
Time stamp
http request
Edit gauge node
Delete
Cancel
Done
Properties
Group
[Home] Home
Size
auto
Type
Gauge
Label
Temperature
Value format
{{value}}
Units
units
Range
min 0
max 10
Colour gradient
Sectors
0 ... optional ... optional ... 10
Class
Optional CSS class name(s) for widget
Name
Enabled

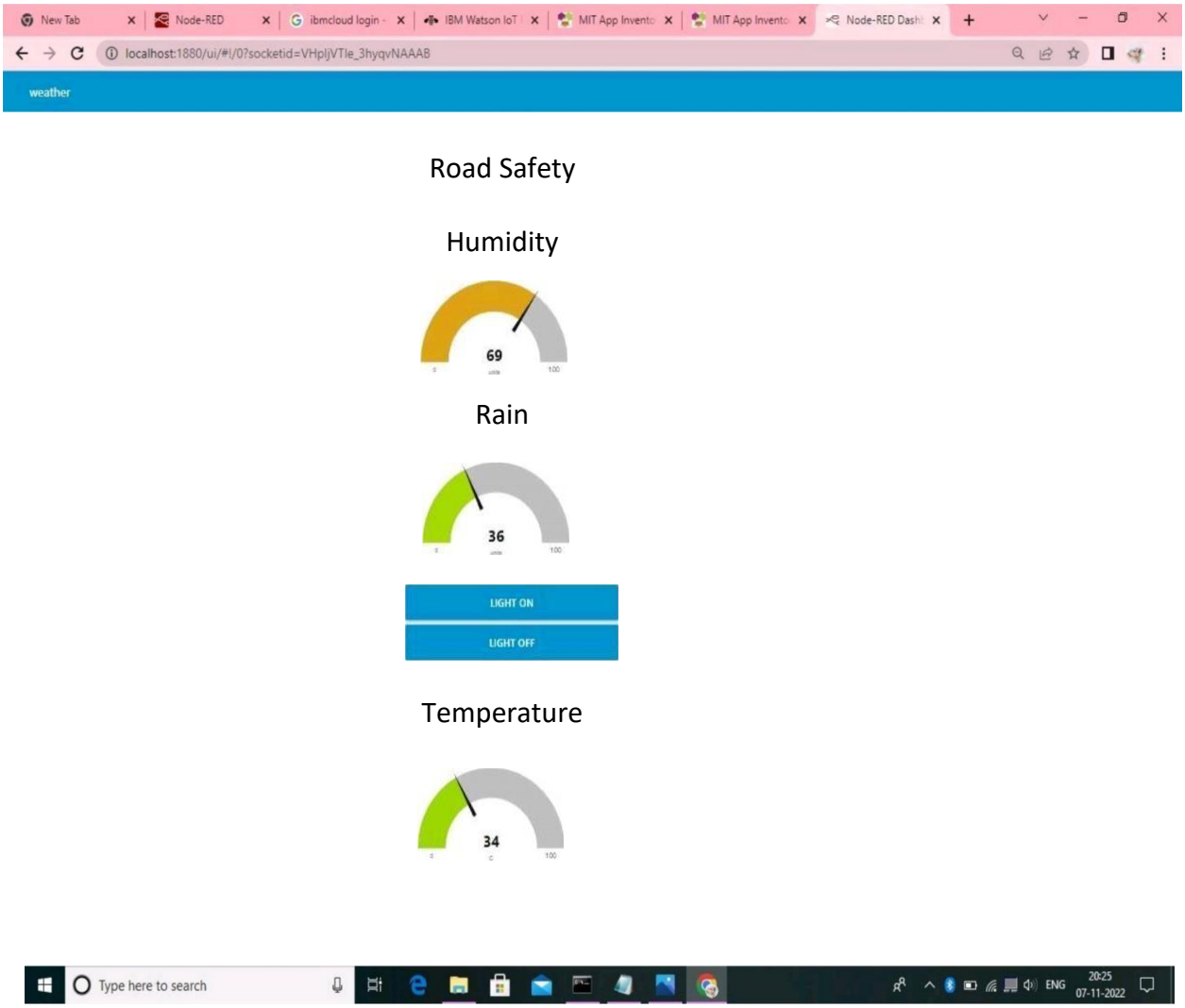

https://node-red-nwmrt-2022-11-04.eu-gb.mybluemix.net/red/#flow/7edc61293df1643f
Node-RED
filter nodes
Flow 1
Flow 2
Flow 3
common
inject
debug
complete
catch
status
link in
link call
link out
comment
function
function
switch
change
range
Temperature
Humidity
Moisture
IBM IoT
Time stamp
http request
Temperature
Humidity
Soil Moisture
msg.payload

Road Safety

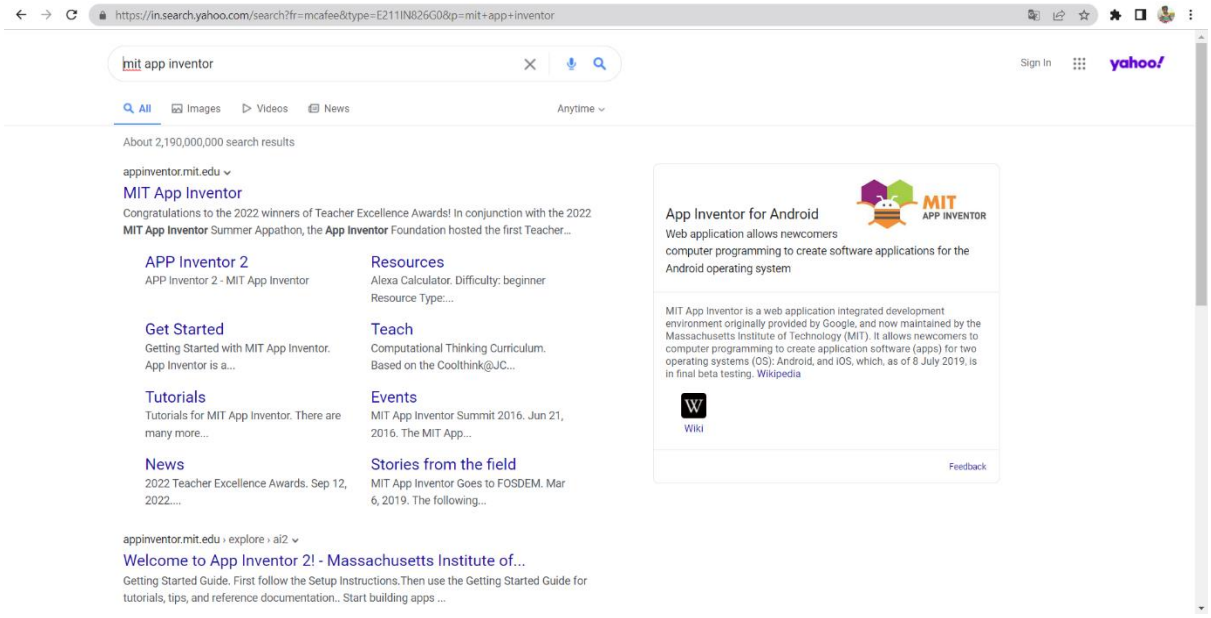
Humidity

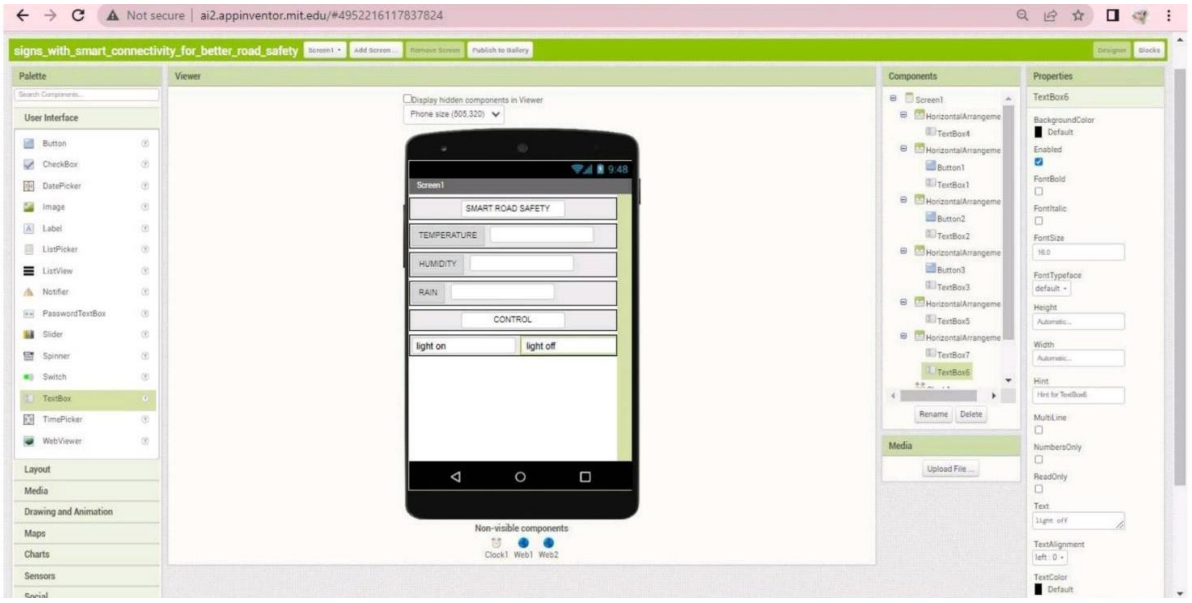
Rain

Temperature



MIT app inverter to design the app:




Not secure | ai2.appinventor.mit.edu/#4952216117837824
signs_with_smart_connectivity_for_better_road_safety
Palette
User Interface
Button
CheckBox
DatePicker
Image
Label
ListPicker
ListView
Notifier
PasswordTextBox
Slider
Spinner
Switch
TextBox
TimePicker
WebViewer
Layout
Media
Drawing and Animation
Maps
Charts
Sensors
Viewer
Display hidden components in Viewer
Phone size (505,320)
Screen1
SMART ROAD SAFETY
TEMPERATURE
HUMIDITY
RAIN
CONTROL
light on
light off
Non-visible components
Clock1
Web1
Web2
Components
Screen1
TextBox4
Button1
TextBox1
Button2
TextBox2
Button3
TextBox3
TextBox5
TextBox7
TextBox6
Rename
Delete
Media
Upload File ...
Properties
TextBox6
BackgroundColor
Default
Enabled
FontBold
FontItalic
FontSize
FontTypeface
default
Height
Width
Hint
MultiLine
NumbersOnly
ReadOnly
Text
light off
TextAlignment
left : 0
TextColor
Default