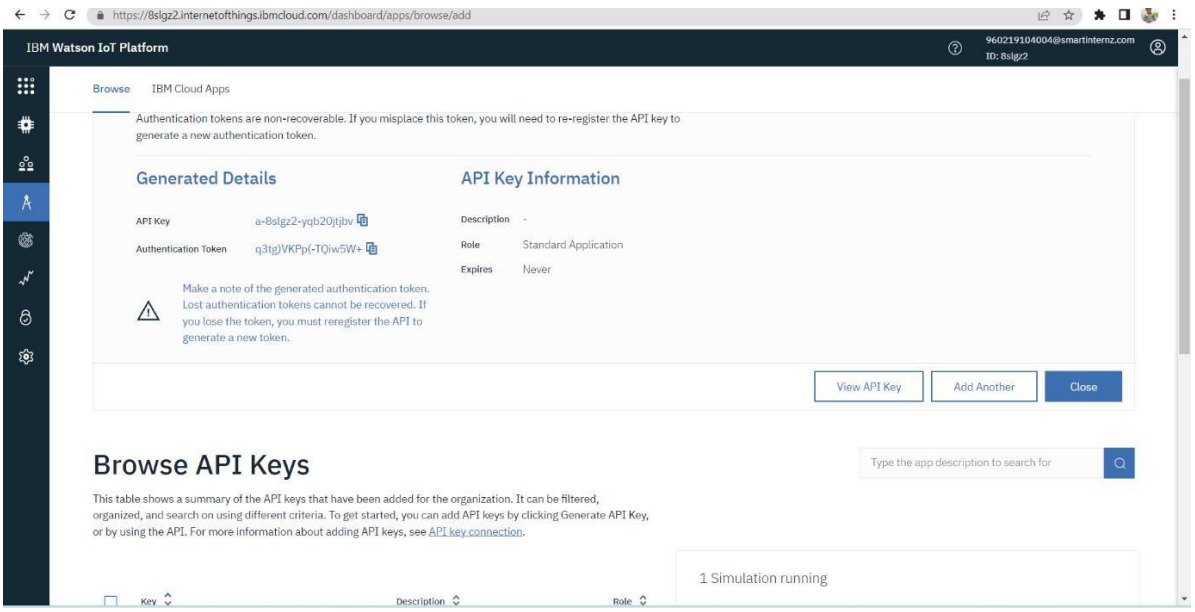
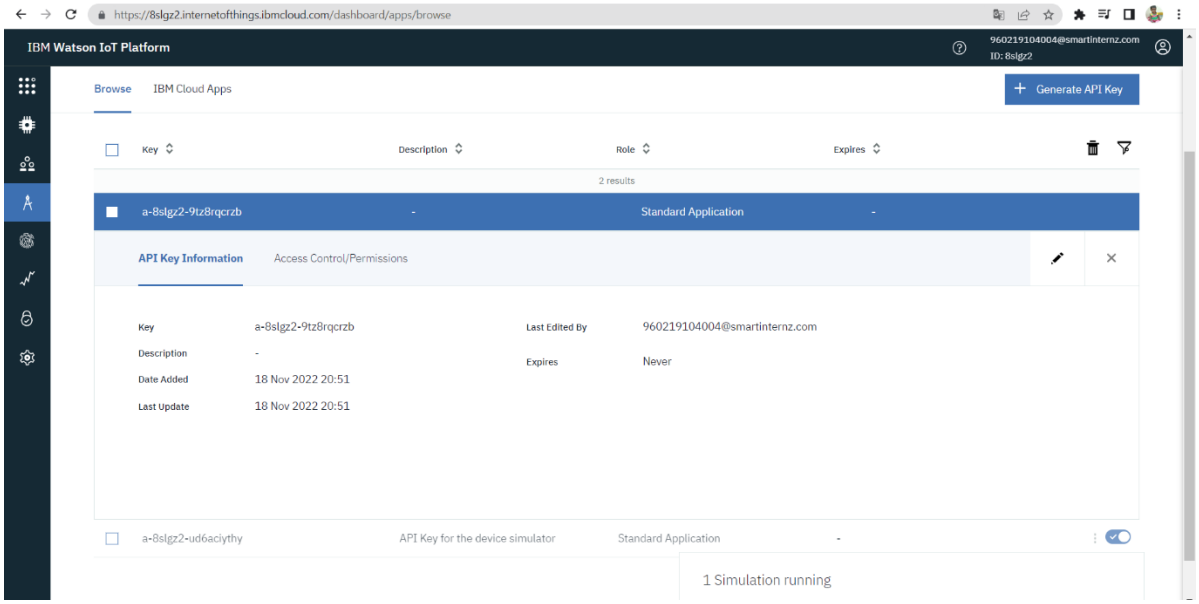
Sprint-2

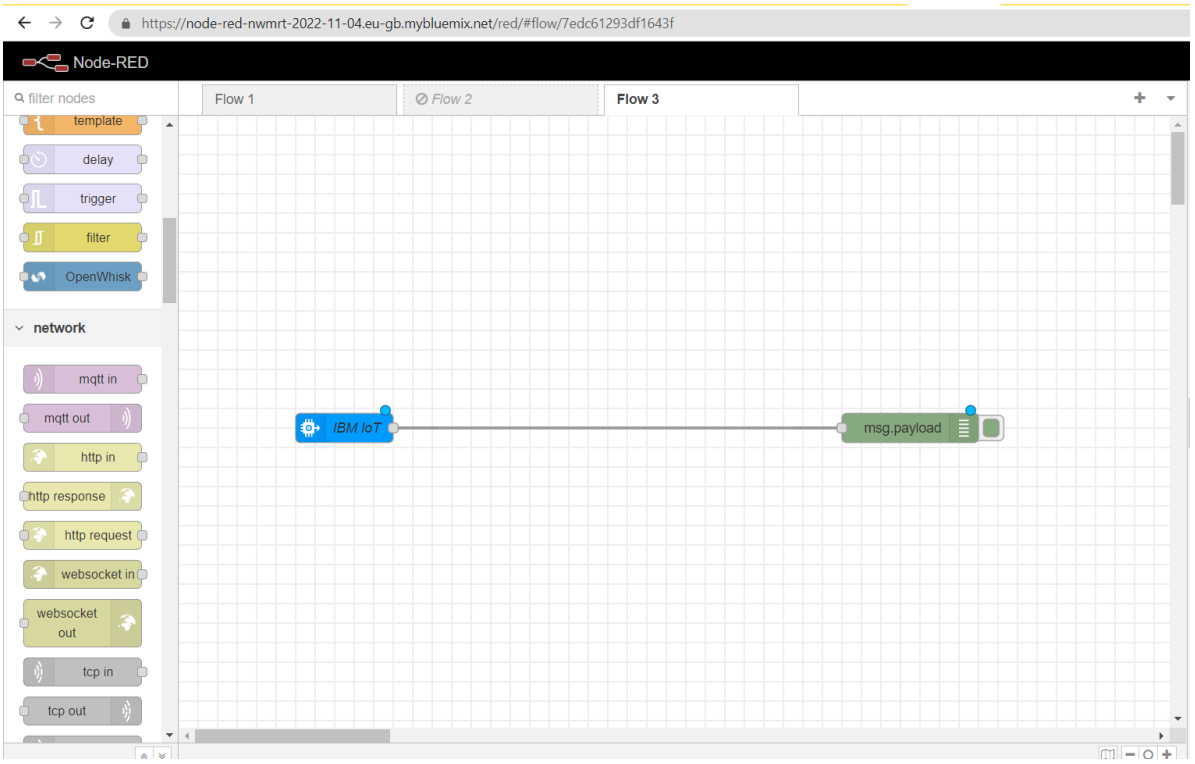
Date	18-11-2022
Team ID	PNT2022TMID33963
Project name	Signs with smart connectivity for better road safety
Maximum marks	20 marks

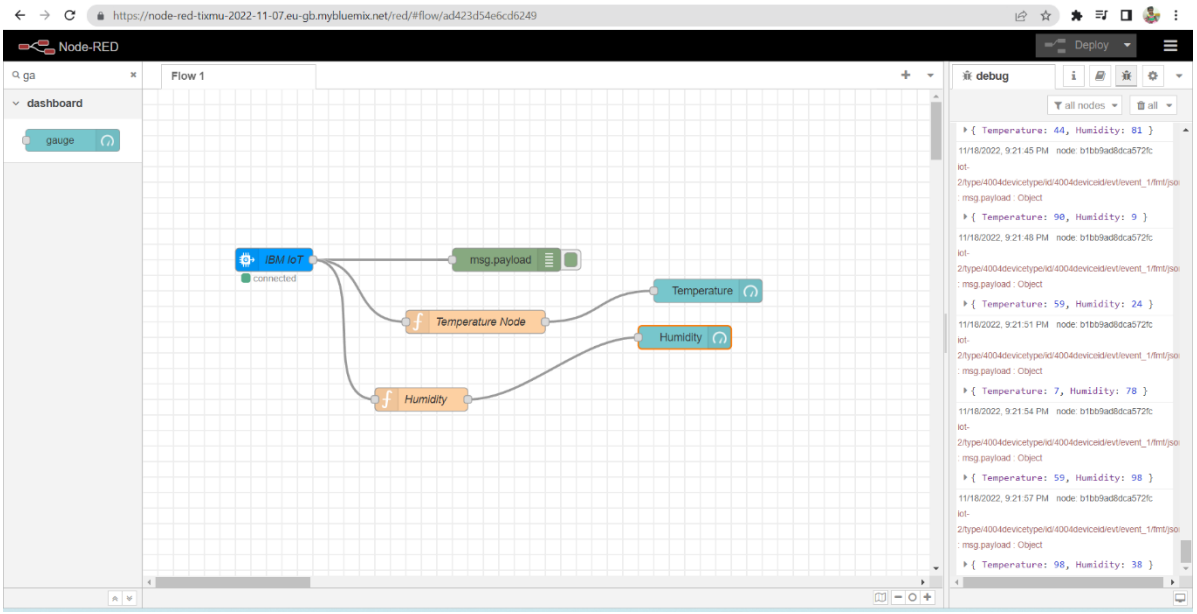
US-1: Configure the connection security and create API keys that are used in the Node-red service for accessing he IBM IOT platform.

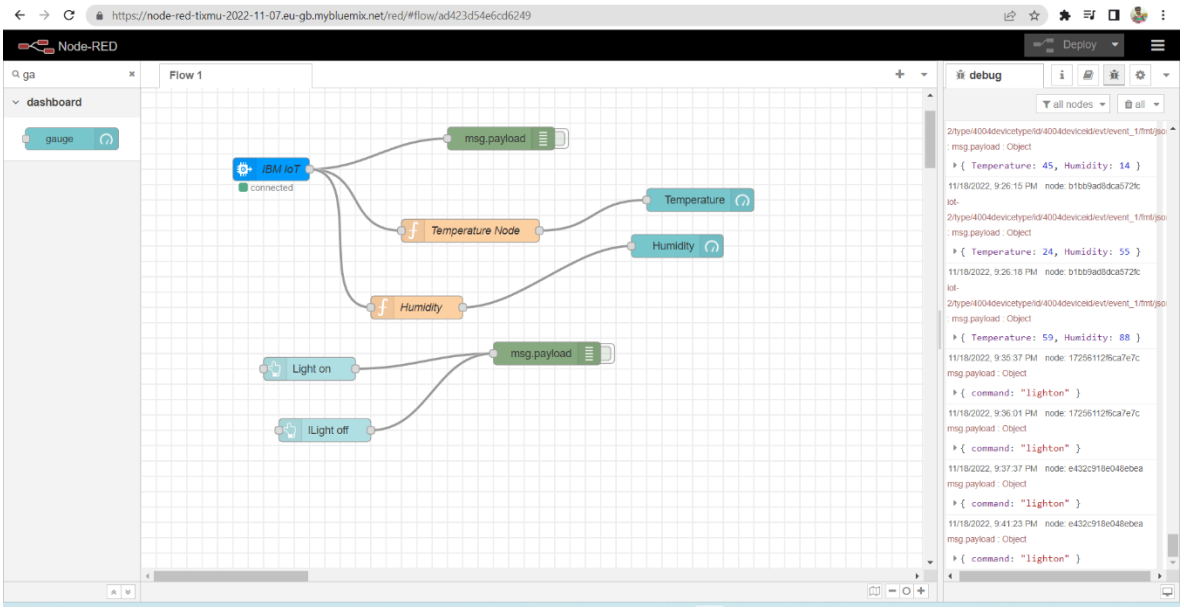


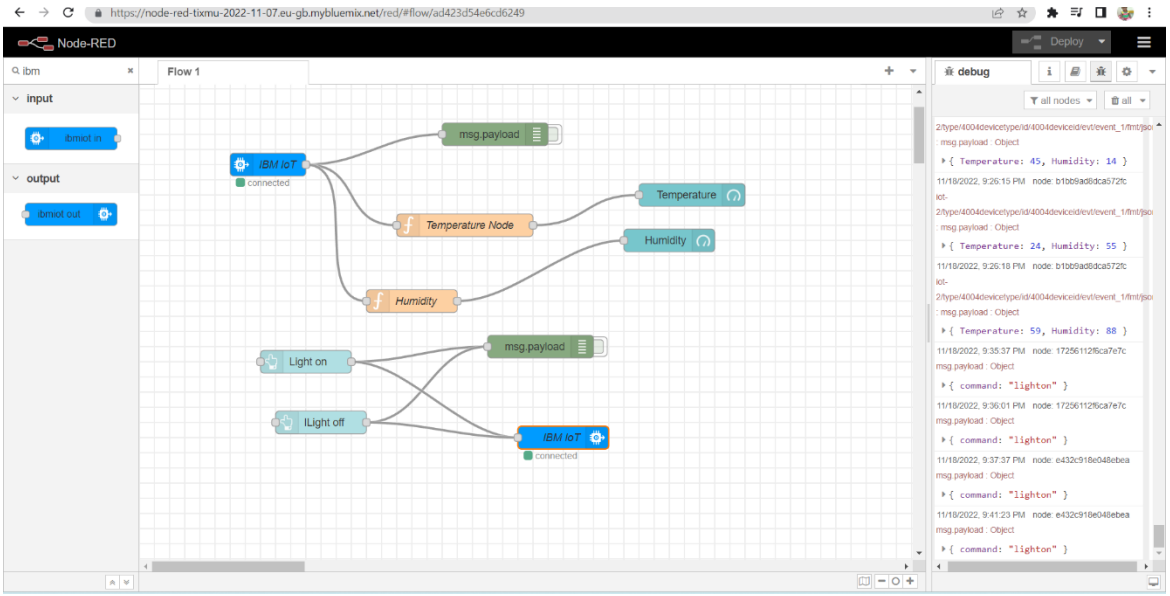


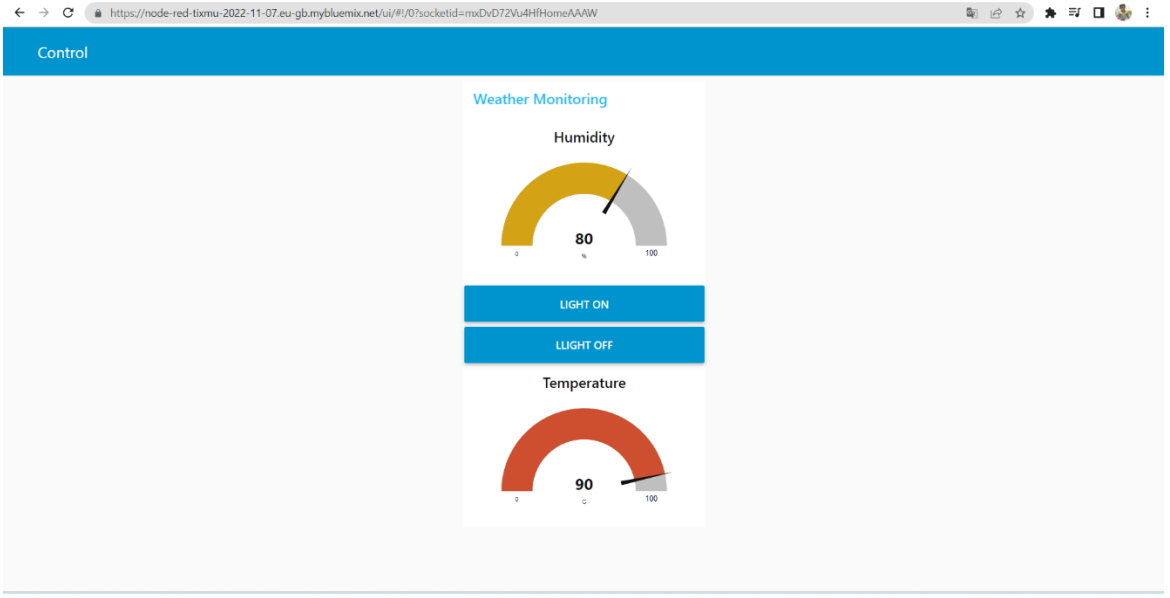
US-2: Create a Node-red service.



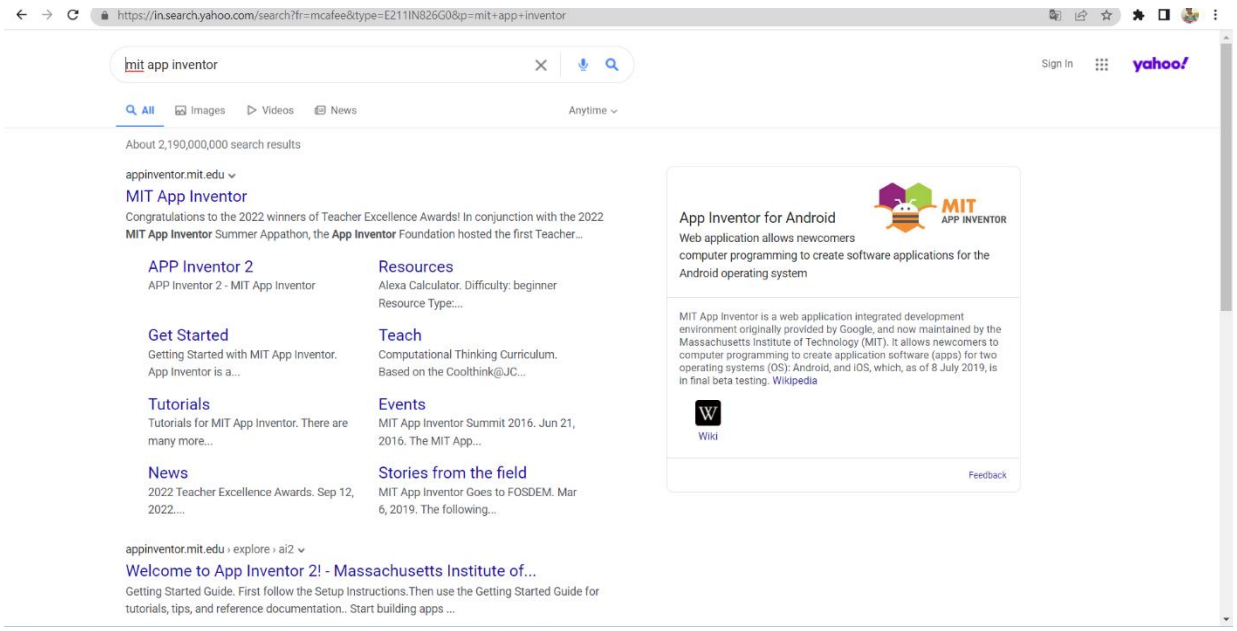


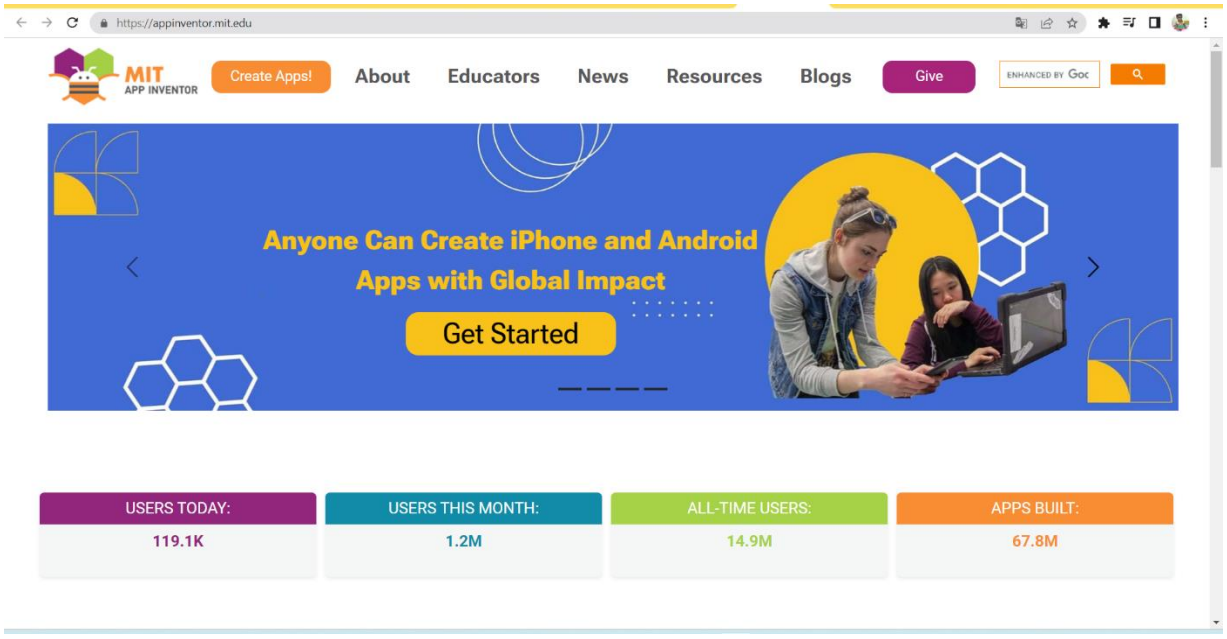

https://node-red-tixmu-2022-11-07.eu-gb.mybluemix.net/red/#flow/ad423d54e6cd6249
Node-RED
Deploy
ga
dashboard
gauge
Flow 1
IBM IoT
connected
msg.payload
Temperature Node
Temperature
Humidity
Humidity
Light on
msg.payload
ILight off
debug
all nodes
{ Temperature: 45, Humidity: 14 }
{ Temperature: 24, Humidity: 55 }
{ Temperature: 59, Humidity: 88 }
{ command: "lighton" }
{ command: "lighton" }
{ command: "lighton" }
{ command: "lighton" }

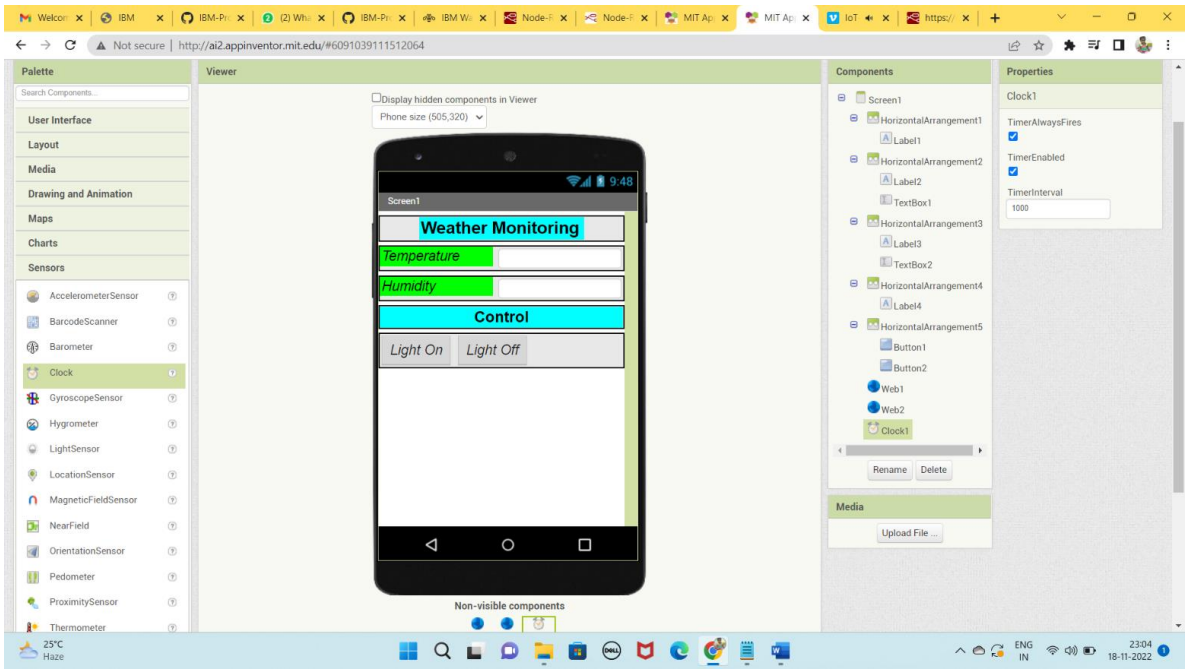

https://node-red-tixmu-2022-11-07.eu-gb.mybluemix.net/red/#flow/ad423d54e6cd6249
Node-RED
Deploy
ibm
input
ibmiot in
output
ibmiot out
Flow 1
IBM IoT
connected
msg.payload
Temperature Node
Temperature
Humidity
Humidity
Light on
msg.payload
ILight off
IBM IoT
connected
debug
all nodes
{ Temperature: 45, Humidity: 14 }
{ Temperature: 24, Humidity: 55 }
{ Temperature: 59, Humidity: 88 }
{ command: "lighton" }
{ command: "lighton" }
{ command: "lighton" }
{ command: "lighton" }

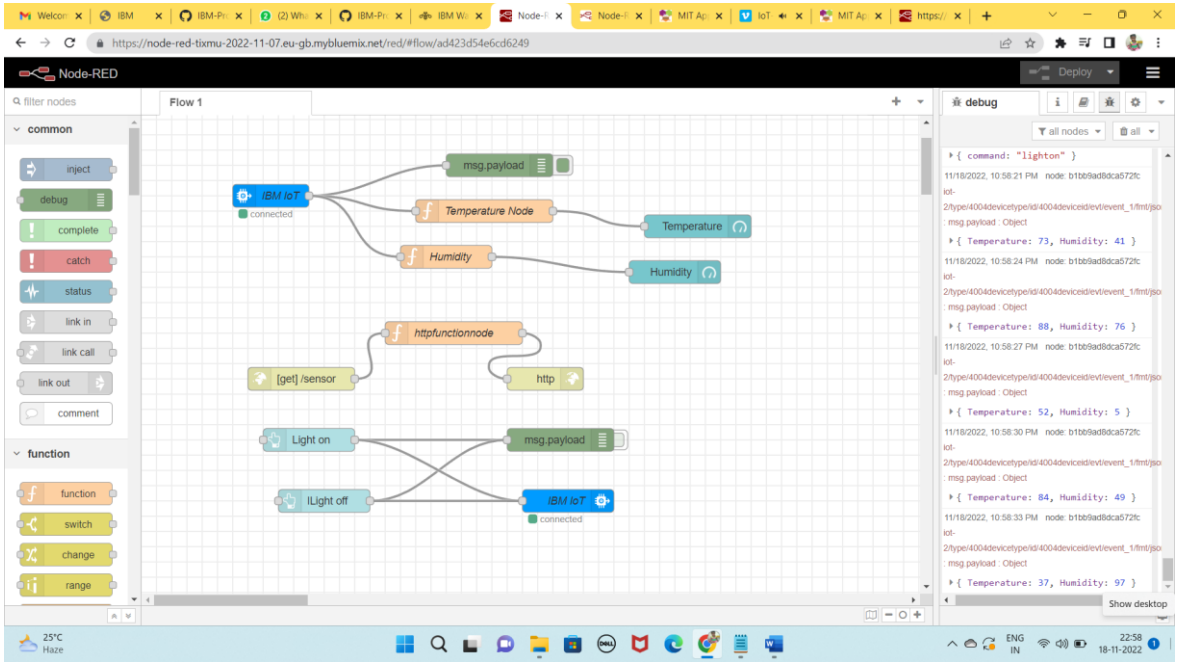

https://node-red-tixmu-2022-11-07.eu-gb.mybluemix.net/ui/#!/0?socketid=mxDvD7ZVu4HfHomeAAAW
Control
Weather Monitoring
Humidity
80
LIGHT ON
LLIGHT OFF
Temperature
90

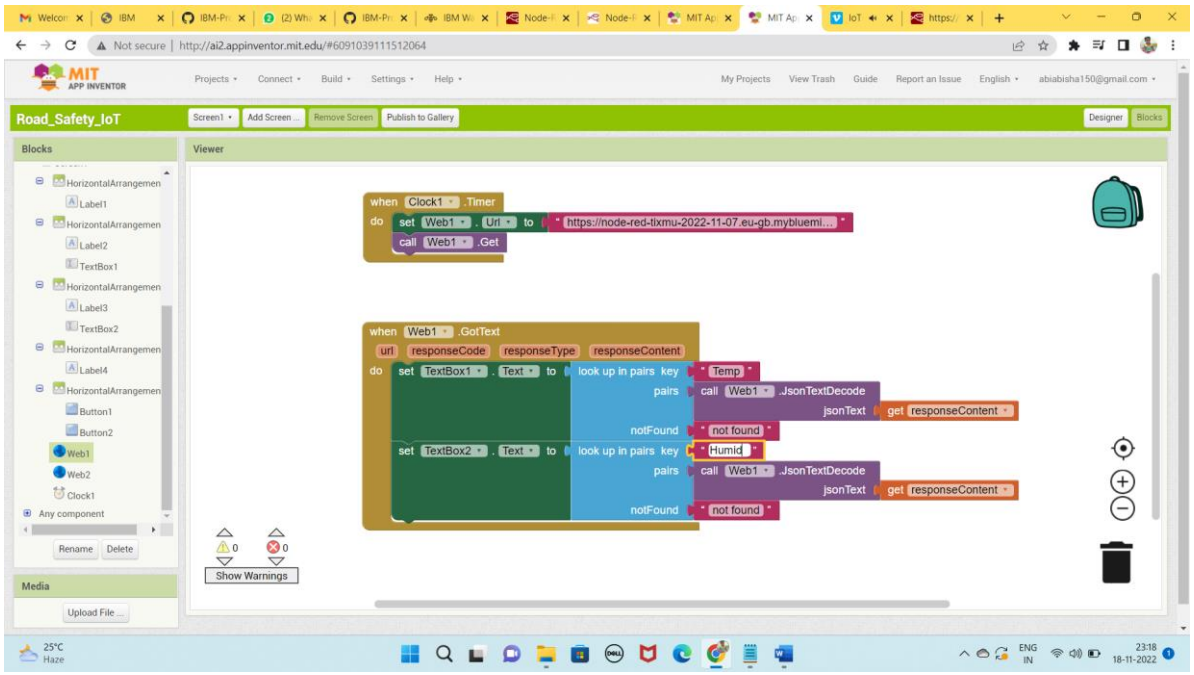
US-3: Mit App Inventor.

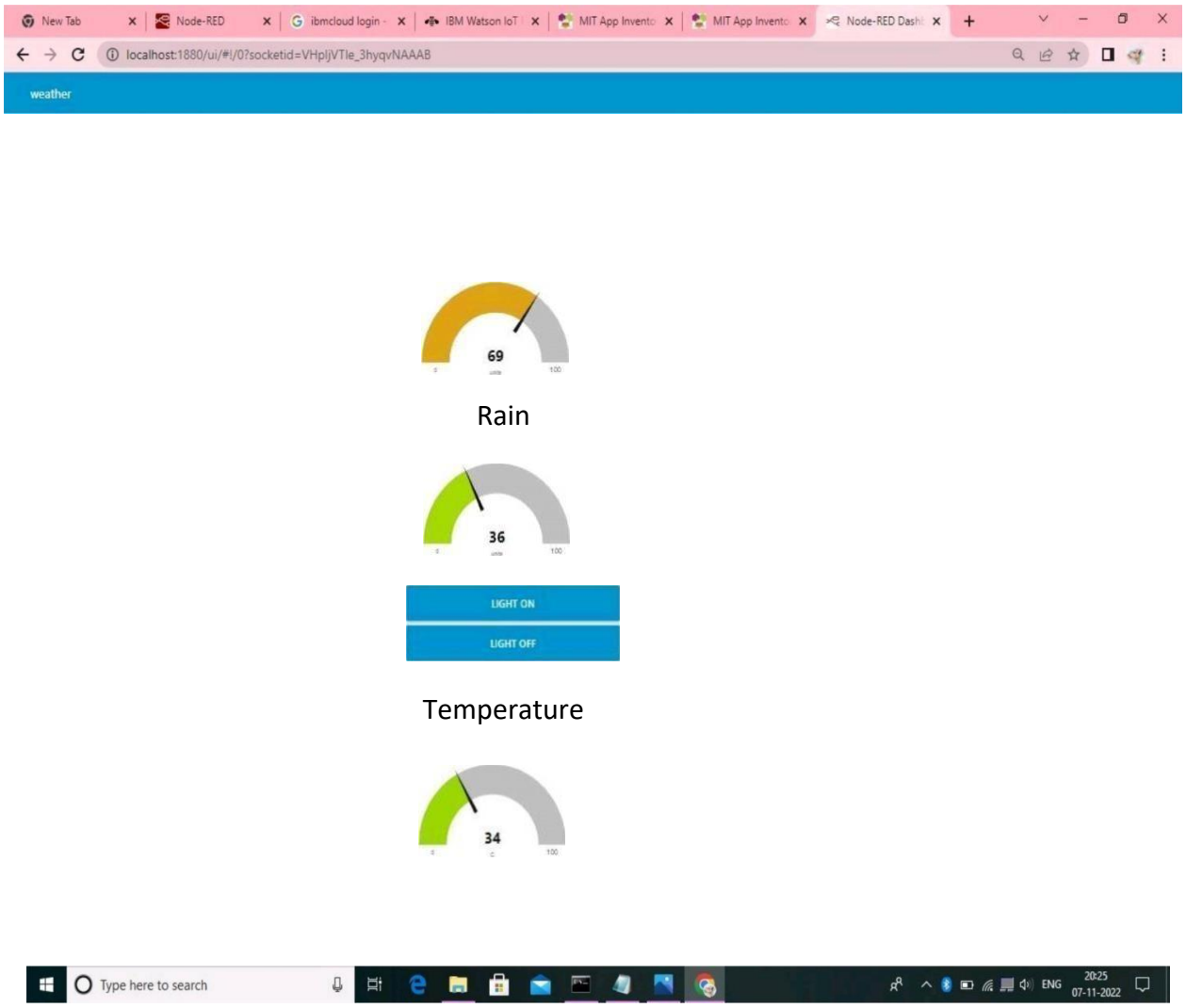




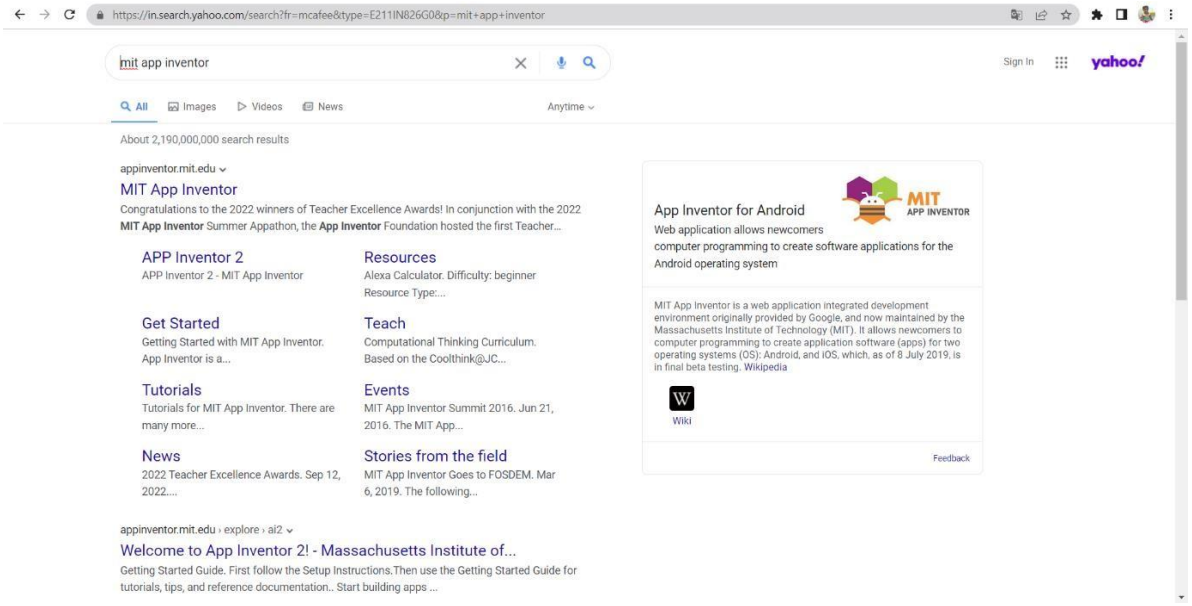

Not secure | http://ai2.appinventor.mit.edu/#6091039111512064
Palette
Viewer
Components
Properties
Display hidden components in Viewer
Phone size (505,320)
Screen1
Weather Monitoring
Temperature
Humidity
Control
Light On
Light Off
Non-visible components
Clock1
TimerAlwaysFires
TimerEnabled
TimerInterval
1000
Media
Upload File ...
Rename
Delete

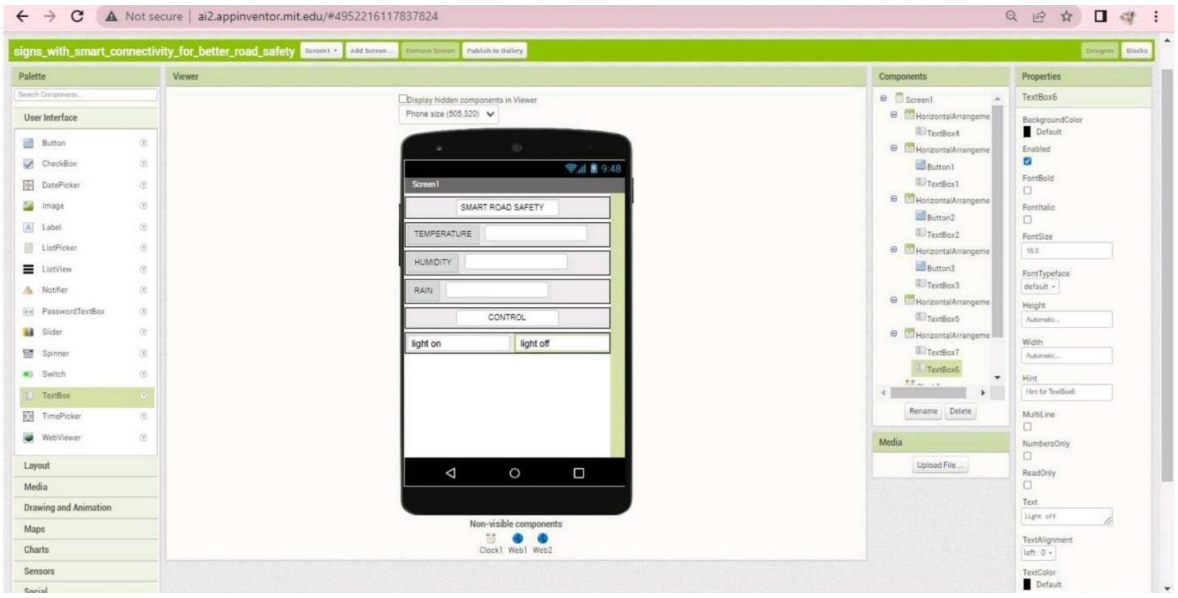

https://node-red-tixmu-2022-11-07.eu-gb.mybluemix.net/red/#flow/ad423d54e6cd6249
Node-RED
Deploy
Flow 1
debug
common
function
inject
debug
complete
catch
status
link in
link call
link out
comment
switch
change
range
IBM IoT
connected
msg.payload
Temperature Node
Temperature
Humidity
Humidity
httpfunctionnode
[get] /sensor
http
Light on
msg.payload
ILight off
IBM IoT
connected
{ command: "lighton" }
{ Temperature: 73, Humidity: 41 }
{ Temperature: 88, Humidity: 76 }
{ Temperature: 52, Humidity: 5 }
{ Temperature: 84, Humidity: 49 }
{ Temperature: 37, Humidity: 97 }
Show desktop


Not secure | http://ai2.appinventor.mit.edu/#6091039111512064
MIT APP INVENTOR
Projects
Connect
Build
Settings
Help
My Projects
View Trash
Guide
Report an Issue
English
abiabisha150@gmail.com
Road_Safety_IoT
Screen1
Add Screen ...
Remove Screen
Publish to Gallery
Designer
Blocks
Blocks
Viewer
HorizontalArrangemen
Label1
Label2
TextBox1
Label3
TextBox2
Label4
Button1
Button2
Web1
Web2
Clock1
Any component
Rename
Delete
Media
Upload File ...
when Clock1 .Timer
do set Web1 . Url to https://node-red-tixmu-2022-11-07.eu-gb.mybluemi...
call Web1 .Get
when Web1 .GotText
url responseCode responseType responseContent
do set TextBox1 . Text to look up in pairs key Temp
pairs call Web1 .JsonTextDecode
jsonText get responseContent
notFound not found
set TextBox2 . Text to look up in pairs key Humid
pairs call Web1 .JsonTextDecode
jsonText get responseContent
notFound not found
0
0
Show Warnings
25°C
Haze
ENG
IN
23:18
18-11-2022



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
TextAlignment
left : 0
TextColor
Default