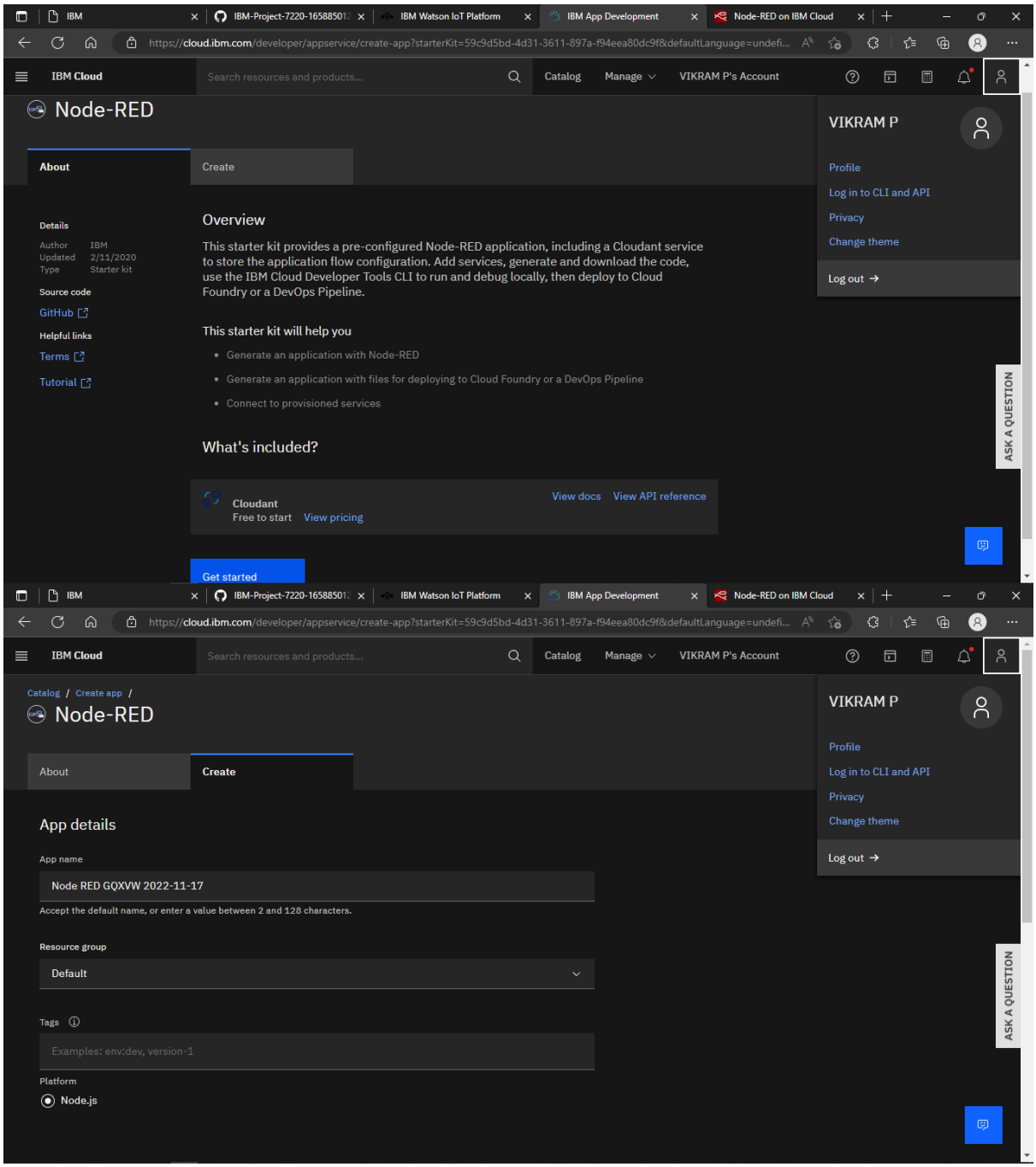
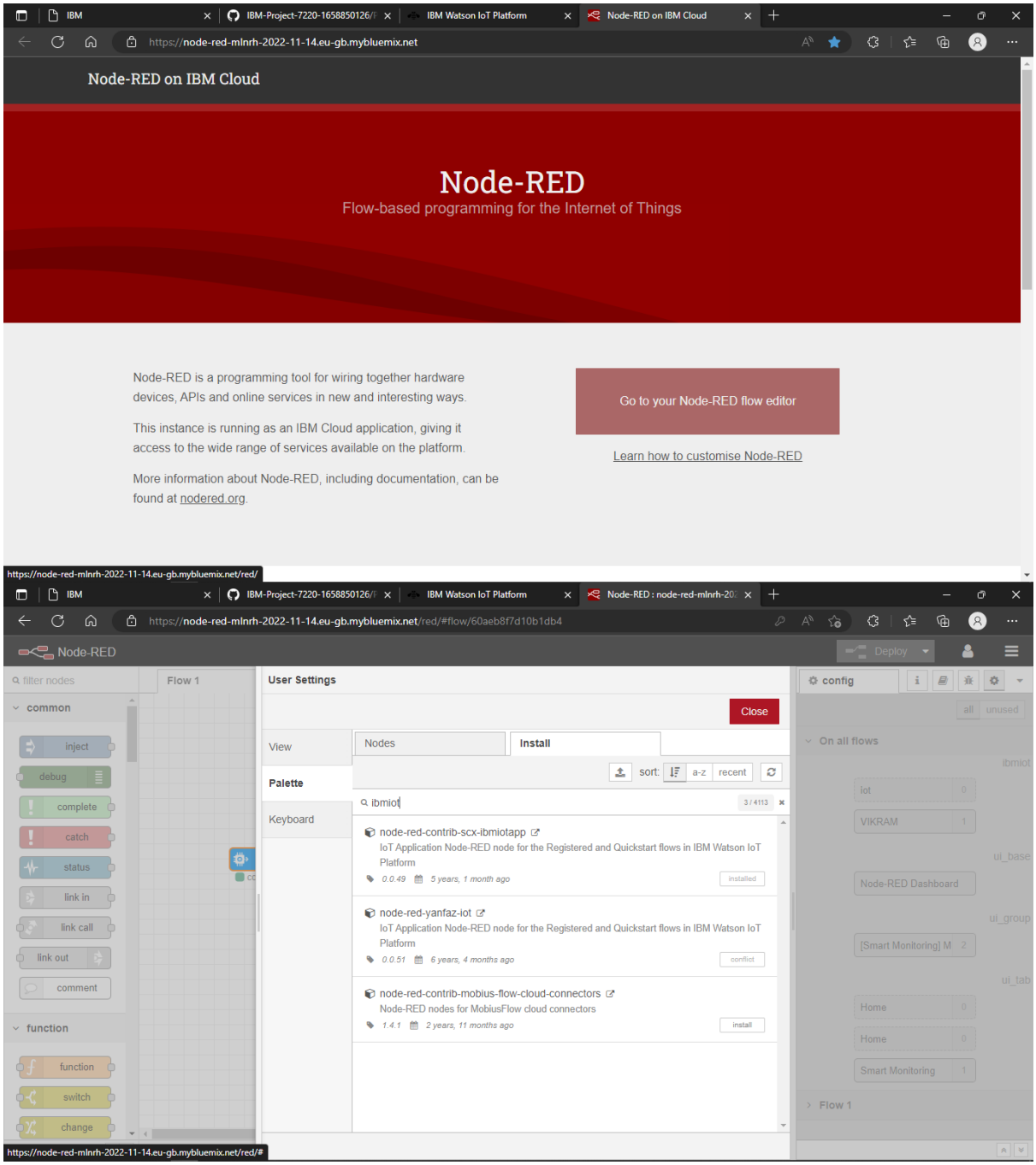
ROJECT DEVELOPMENT PHASE
Delivery Of sprint 3

Team ID	PNT2022TMID06971
Project Name	Hazardous Area Monitoring For Industrial Plant Powered By IoT

NODE RED :




IBM
IBM-Project-7220-1658850126/i
IBM Watson IoT Platform
Node-RED on IBM Cloud
https://node-red-mlnrh-2022-11-14.eu-gb.mybluemix.net
Node-RED on IBM Cloud
Node-RED
Flow-based programming for the Internet of Things
Node-RED is a programming tool for wiring together hardware devices, APIs and online services in new and interesting ways.
This instance is running as an IBM Cloud application, giving it access to the wide range of services available on the platform.
More information about Node-RED, including documentation, can be found at nodered.org.
Go to your Node-RED flow editor
Learn how to customise Node-RED
https://node-red-mlnrh-2022-11-14.eu-gb.mybluemix.net/red/
IBM
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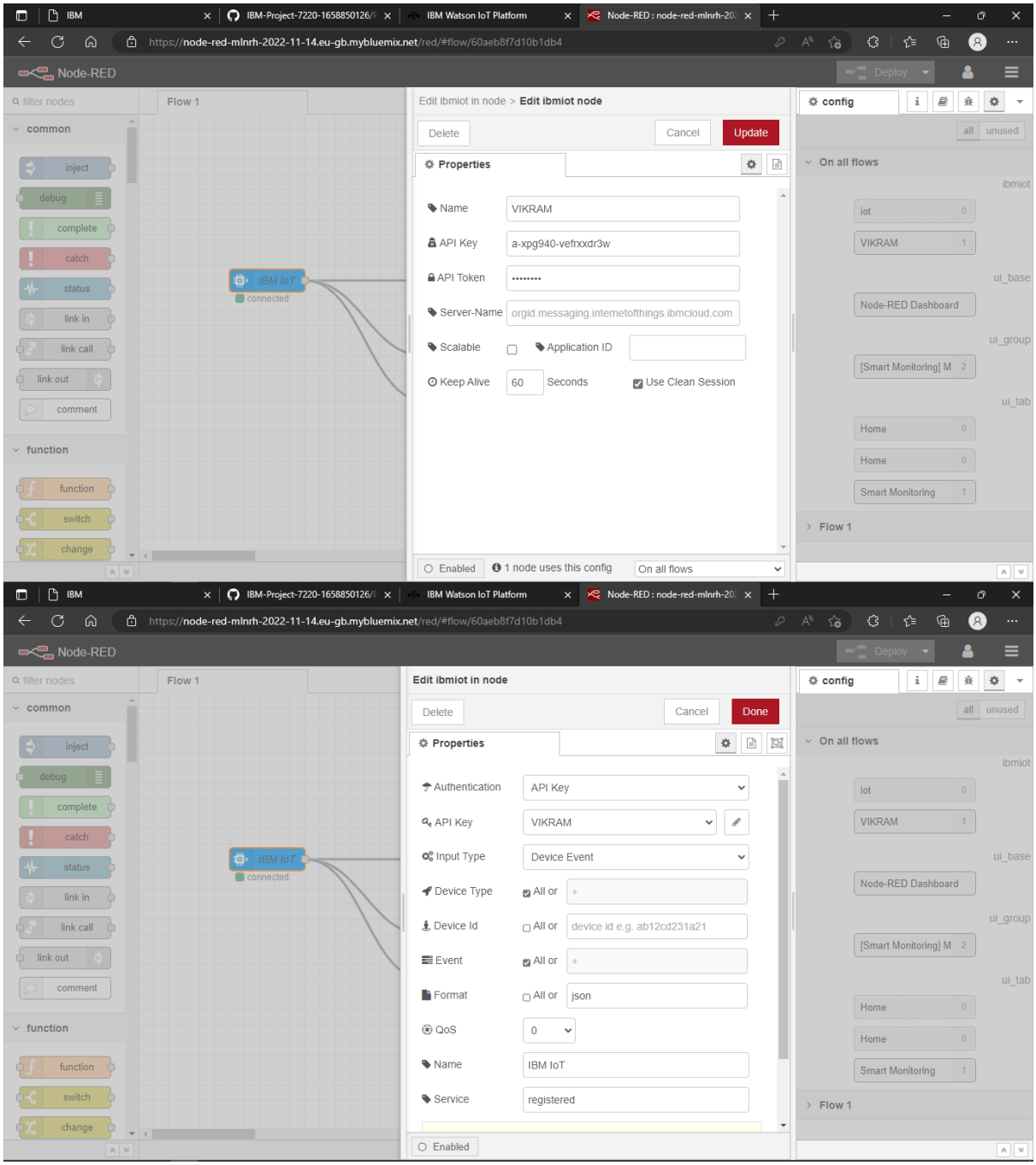
IBM Watson IoT Platform
Node-RED : node-red-mlnrh-20
https://node-red-mlnrh-2022-11-14.eu-gb.mybluemix.net/red/#flow/60aeb8f7d10b1db4
Node-RED
Deploy
filter nodes
Flow 1
common
inject
debug
complete
catch
status
link in
link call
link out
comment
function
function
switch
change
User Settings
Close
View
Palette
Keyboard
Nodes
Install
sort:
a-z
recent
ibmiot
3 / 4113
node-red-contrib-scx-ibmiotapp
IoT Application Node-RED node for the Registered and Quickstart flows in IBM Watson IoT Platform
0.0.49
5 years, 1 month ago
installed
node-red-yanfaz-iot
IoT Application Node-RED node for the Registered and Quickstart flows in IBM Watson IoT Platform
0.0.51
6 years, 4 months ago
conflict
node-red-contrib-mobius-flow-cloud-connectors
Node-RED nodes for MobiusFlow cloud connectors
1.4.1
2 years, 11 months ago
install
config
all
unused
On all flows
iot
VIKRAM
Node-RED Dashboard
[Smart Monitoring] M
Home
Home
Smart Monitoring
Flow 1
https://node-red-mlnrh-2022-11-14.eu-gb.mybluemix.net/red/#


IBM
IBM-Project-7220-1658850126/i
IBM Watson IoT Platform
Node-RED : node-red-mlnrh-20
https://node-red-mlnrh-2022-11-14.eu-gb.mybluemix.net/red/#flow/60aeb8f7d10b1db4
Node-RED
Deploy
filter nodes
Flow 1
common
inject
debug
complete
catch
status
link in
link call
link out
comment
function
function
switch
change
IBM IoT
connected
Edit ibmiot in node > Edit ibmiot node
Delete
Cancel
Update
Properties
Name
VIKRAM
API Key
a-xpg940-vefrxxdr3w
API Token
Server-Name
orgid.messaging.internetofthings.ibmcloud.com
Scalable
Application ID
Keep Alive
60
Seconds
Use Clean Session
Enabled
1 node uses this config
On all flows
config
all
unused
On all flows
ibmiot
iot
VIKRAM
ui_base
Node-RED Dashboard
ui_group
[Smart Monitoring] M
ui_tab
Home
Home
Smart Monitoring
Flow 1
IBM
IBM-Project-7220-1658850126/i
IBM Watson IoT Platform
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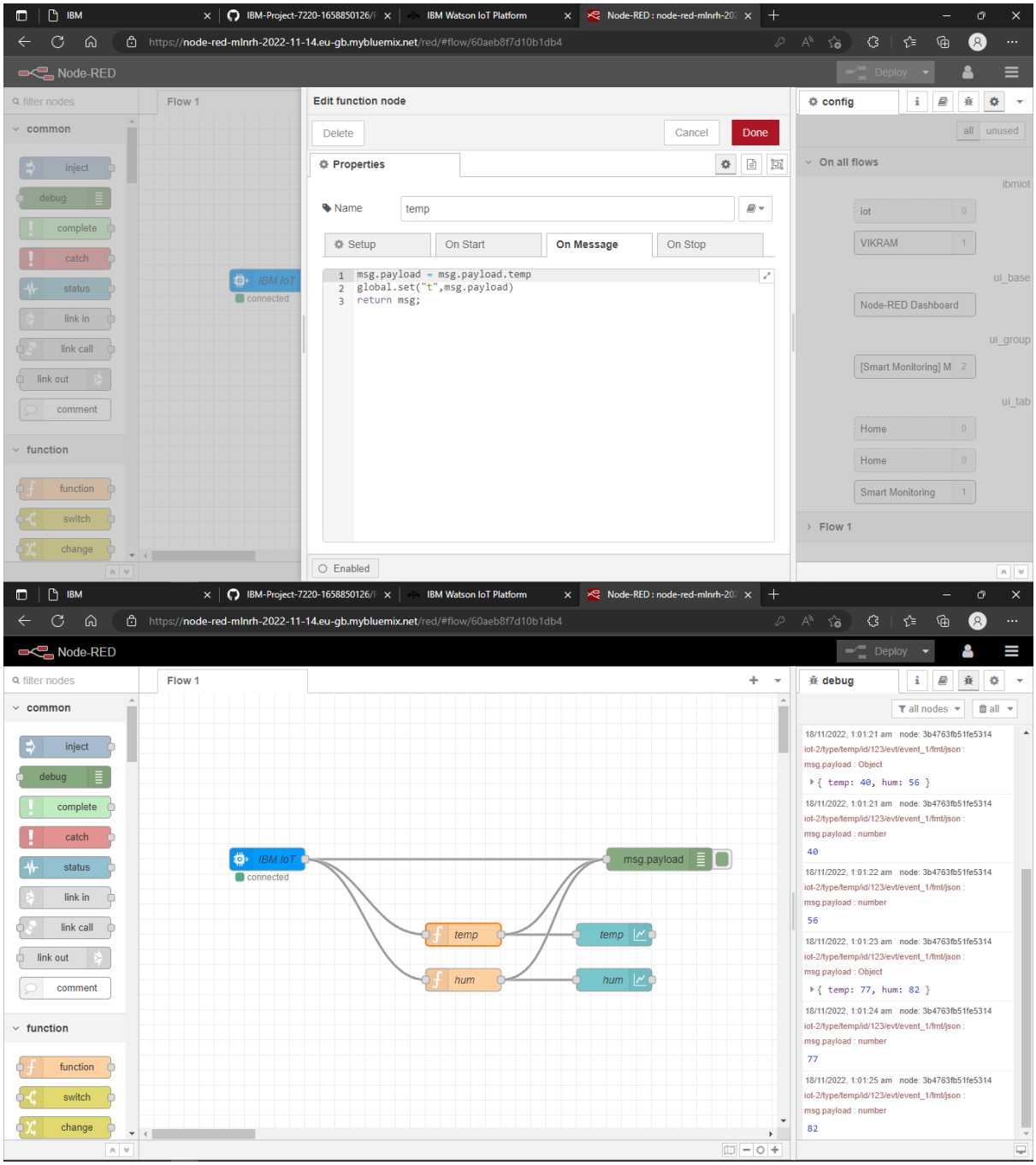
Node-RED
Deploy
filter nodes
Flow 1
common
inject
debug
complete
catch
status
link in
link call
link out
comment
function
function
switch
change
IBM IoT
connected
Edit ibmiot in node
Delete
Cancel
Done
Properties
Authentication
API Key
API Key
VIKRAM
Input Type
Device Event
Device Type
All or
Device Id
All or
device id e.g. ab12cd231a21
Event
All or
Format
All or
json
QoS
0
Name
IBM IoT
Service
registered
Enabled
config
all
unused
On all flows
ibmiot
iot
VIKRAM
ui_base
Node-RED Dashboard
ui_group
[Smart Monitoring] M
ui_tab
Home
Home
Smart Monitoring
Flow 1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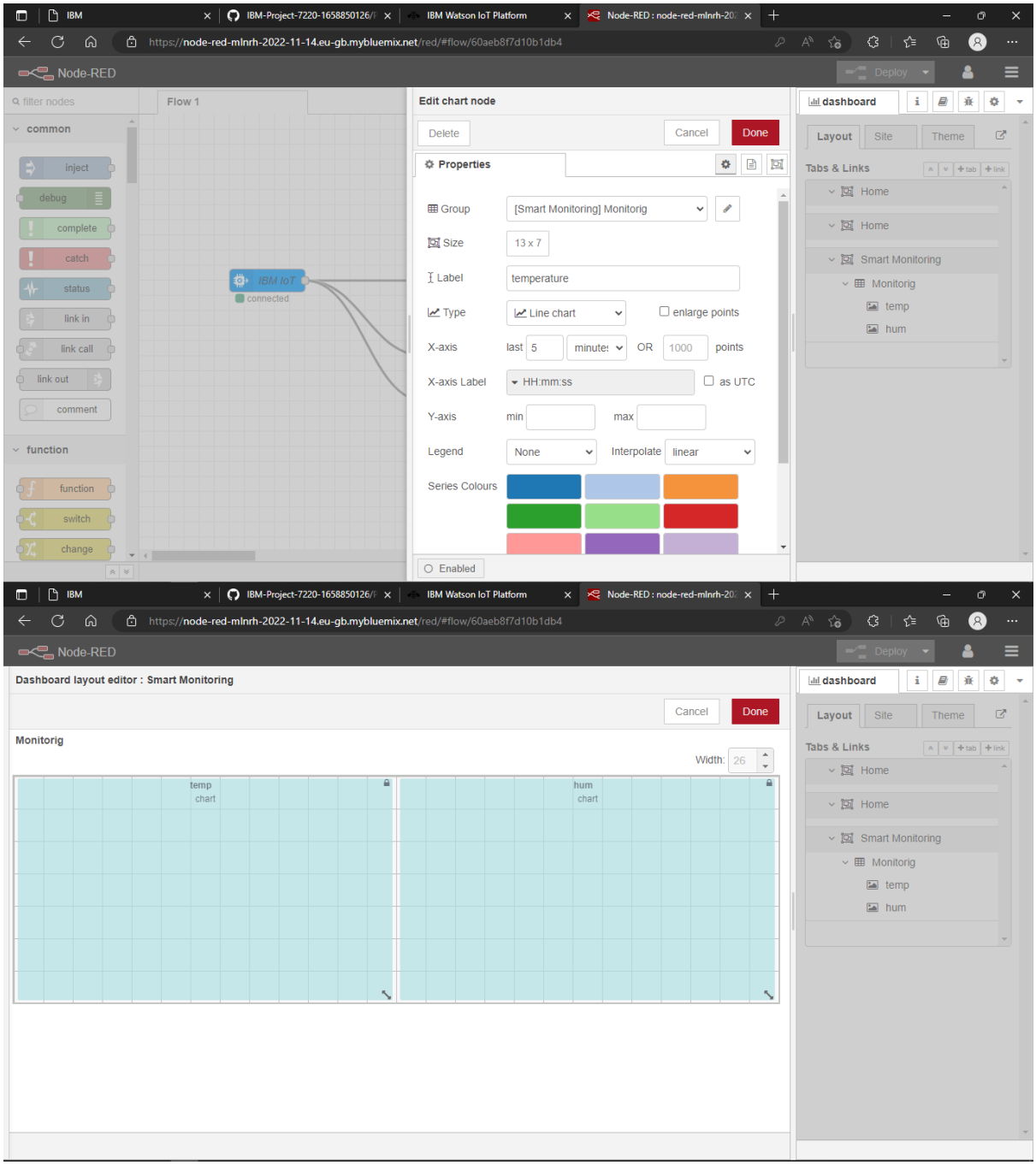
Node-RED
Deploy
filter nodes
Flow 1
common
inject
debug
complete
catch
status
link in
link call
link out
comment
function
function
switch
change
IBM IoT
connected
Edit function node
Delete
Cancel
Done
Properties
Name
temp
Setup
On Start
On Message
On Stop
1 msg.payload = msg.payload.temp
2 global.set("t",msg.payload)
3 return msg;
Enabled
config
all
unused
On all flows
ibmiot
iot
0
VIKRAM
1
ui_base
Node-RED Dashboard
ui_group
[Smart Monitoring] M
2
ui_tab
Home
0
Home
0
Smart Monitoring
1
Flow 1
IBM IoT
connected
msg.payload
temp
temp
hum
hum
debug
all nodes
all
18/11/2022, 1:01:21 am node: 3b4763fb51fe5314
iot-2/type/temp/id/123/evt/event_1/fmt/json :
msg.payload : Object
{ temp: 40, hum: 56 }
18/11/2022, 1:01:21 am node: 3b4763fb51fe5314
iot-2/type/temp/id/123/evt/event_1/fmt/json :
msg.payload : number
40
18/11/2022, 1:01:22 am node: 3b4763fb51fe5314
iot-2/type/temp/id/123/evt/event_1/fmt/json :
msg.payload : number
56
18/11/2022, 1:01:23 am node: 3b4763fb51fe5314
iot-2/type/temp/id/123/evt/event_1/fmt/json :
msg.payload : Object
{ temp: 77, hum: 82 }
18/11/2022, 1:01:24 am node: 3b4763fb51fe5314
iot-2/type/temp/id/123/evt/event_1/fmt/json :
msg.payload : number
77
18/11/2022, 1:01:25 am node: 3b4763fb51fe5314
iot-2/type/temp/id/123/evt/event_1/fmt/json :
msg.payload : number
82


IBM
IBM-Project-7220-1658850126/
IBM Watson IoT Platform
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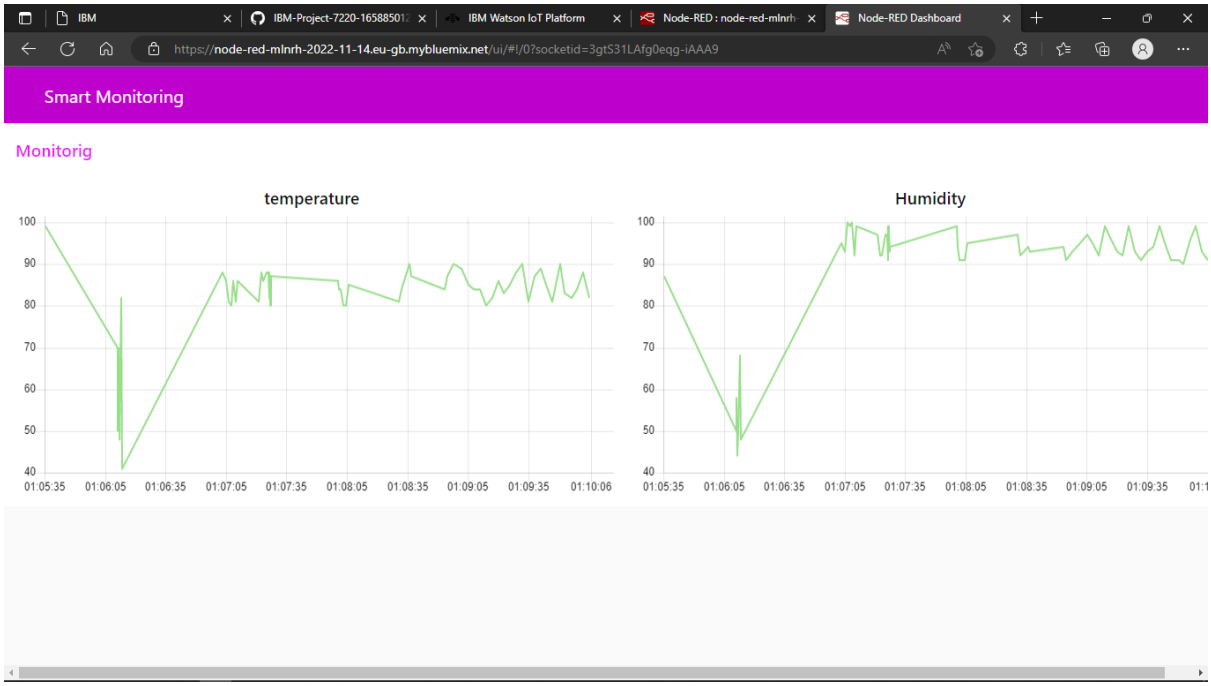
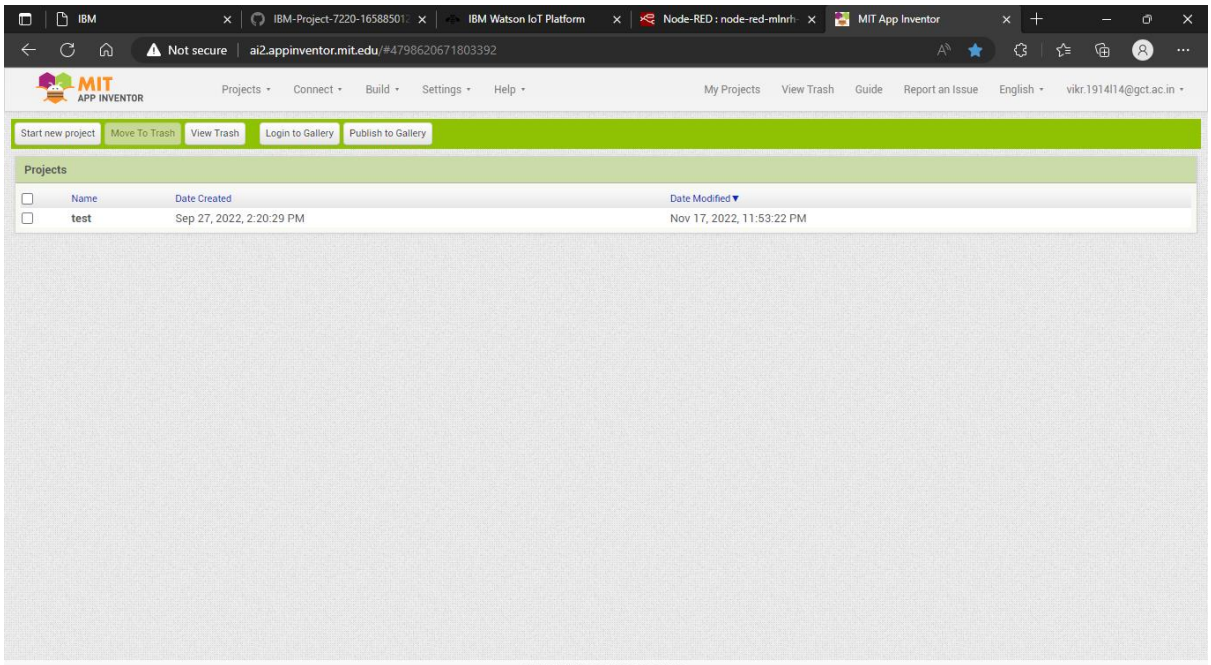
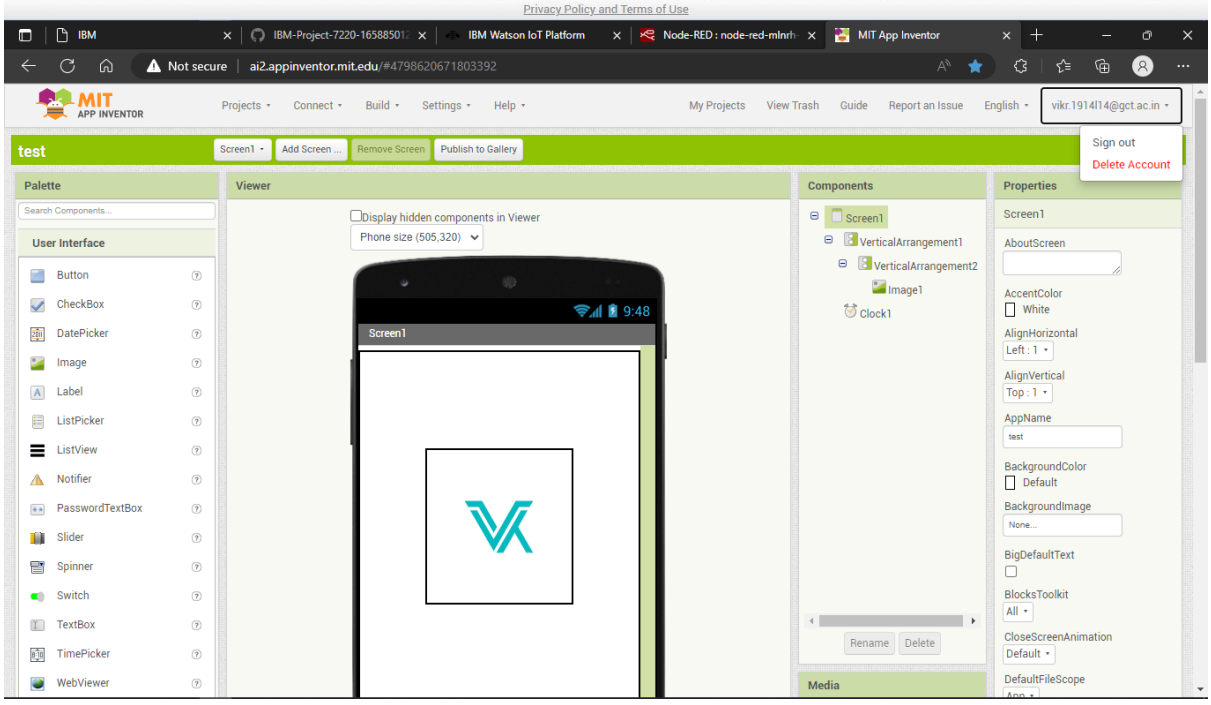
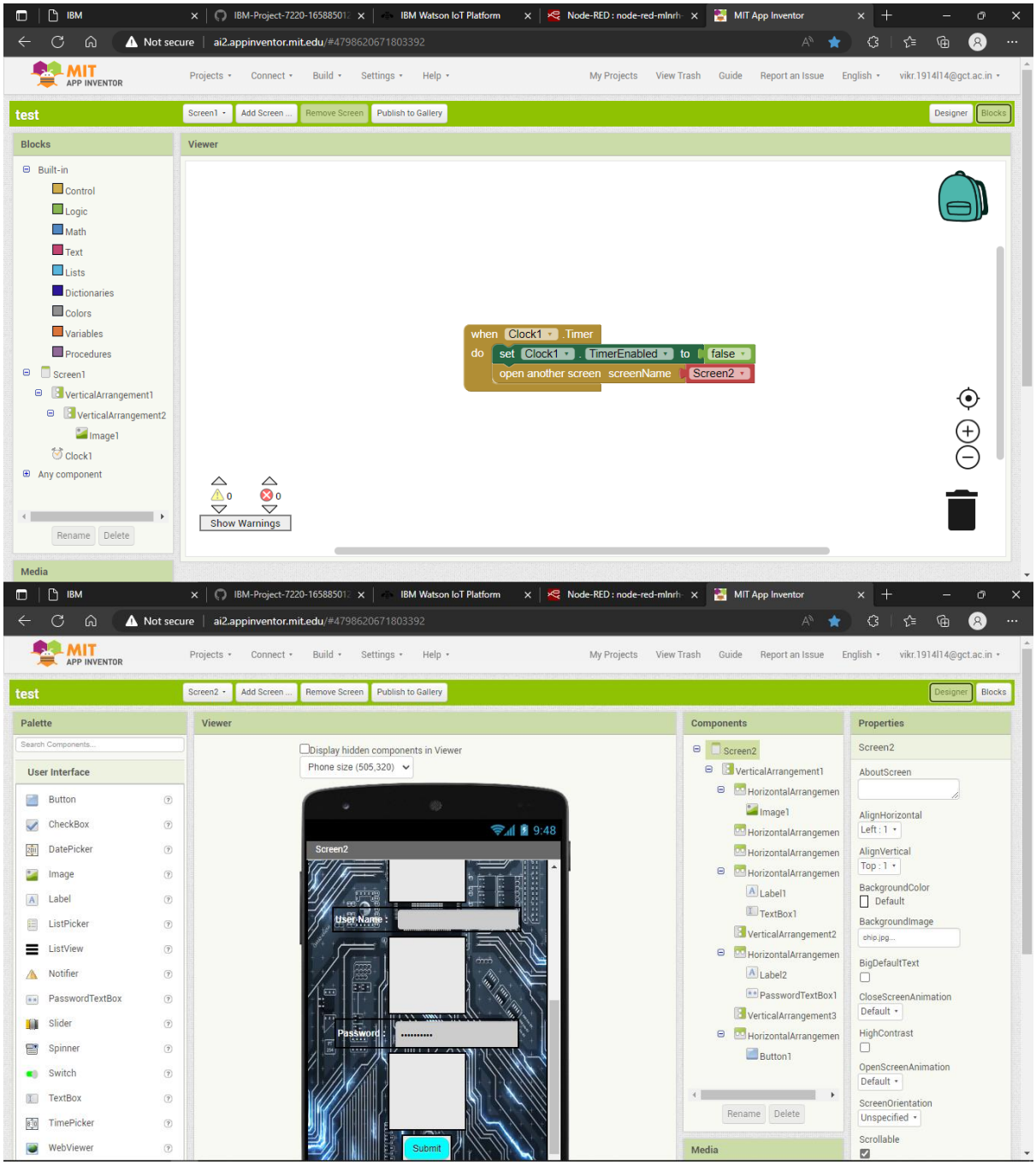
debug
complete
catch
status
link in
link call
link out
comment
function
function
switch
change
IBM IoT
connected
Edit chart node
Delete
Cancel
Done
Properties
Group
[Smart Monitoring] Monitorig
Size
13 x 7
Label
temperature
Type
Line chart
enlarge points
X-axis
last
5
minute
OR
1000
points
X-axis Label
HH:mm:ss
as UTC
Y-axis
min
max
Legend
None
Interpolate
linear
Series Colours
Enabled
dashboard
Layout
Site
Theme
Tabs & Links
Home
Home
Smart Monitoring
Monitorig
temp
hum
Dashboard layout editor : Smart Monitoring
Cancel
Done
Monitorig
Width:
26
temp
chart
hum
chart
Home
Home
Smart Monitoring
Monitorig
temp
hum


IBM
IBM-Project-7220-16588501
IBM Watson IoT Platform
Node-RED : node-red-mlnrh
Node-RED Dashboard
https://node-red-mlnrh-2022-11-14.eu-gb.mybluemix.net/ui/#!/0?socketid=3gtS31LAfg0eqg-iAAA9
Smart Monitoring
Monitorig
temperature
100
90
80
70
60
50
40
01:05:35
01:06:05
01:06:35
01:07:05
01:07:35
01:08:05
01:08:35
01:09:05
01:09:35
01:10:06
Humidity
100
90
80
70
60
50
40
01:05:35
01:06:05
01:06:35
01:07:05
01:07:35
01:08:05
01:08:35
01:09:05
01:09:35

MIT APP INVENTER :






IBM
IBM-Project-7220-16588501
IBM Watson IoT Platform
Node-RED : node-red-mlnrh
MIT App Inventor
Not secure
ai2.appinventor.mit.edu/#4798620671803392
MIT APP INVENTOR
Projects
Connect
Build
Settings
Help
My Projects
View Trash
Guide
Report an Issue
English
vikr.1914l14@gct.ac.in
test
Screen1
Add Screen ...
Remove Screen
Publish to Gallery
Designer
Blocks
Blocks
Built-in
Control
Logic
Math
Text
Lists
Dictionaries
Colors
Variables
Procedures
Screen1
VerticalArrangement1
VerticalArrangement2
Image1
Clock1
Any component
Rename
Delete
Media
Viewer
when Clock1 .Timer
do set Clock1 . TimerEnabled to false
open another screen screenName Screen2
0
0
Show Warnings
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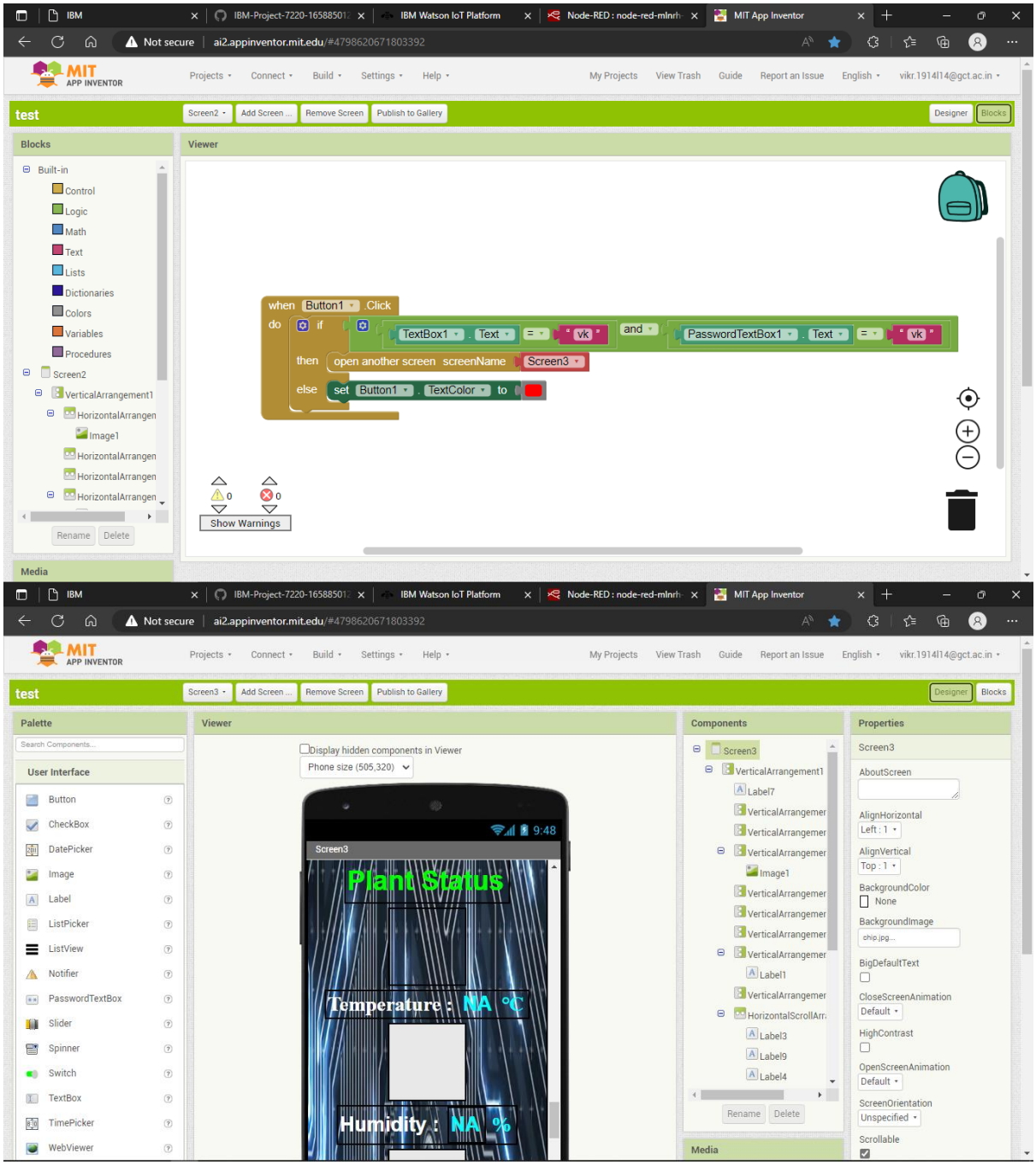
Screen2
Add Screen ...
Remove Screen
Publish to Gallery
Designer
Blocks
Palette
Search Components...
User Interface
Button
CheckBox
DatePicker
Image
Label
ListPicker
ListView
Notifier
PasswordTextBox
Slider
Spinner
Switch
TextBox
TimePicker
WebViewer
Viewer
Display hidden components in Viewer
Phone size (505,320)
9:48
Screen2
User Name :
Password :
Submit
Components
Screen2
VerticalArrangement1
HorizontalArrangemen
Image1
HorizontalArrangemen
HorizontalArrangemen
HorizontalArrangemen
Label1
TextBox1
VerticalArrangement2
HorizontalArrangemen
Label2
PasswordTextBox1
VerticalArrangement3
HorizontalArrangemen
Button1
Rename
Delete
Media
Properties
Screen2
AboutScreen
AlignHorizontal
Left : 1
AlignVertical
Top : 1
BackgroundColor
Default
BackgroundImage
chip.jpg...
BigDefaultText
CloseScreenAnimation
Default
HighContrast
OpenScreenAnimation
Default
ScreenOrientation
Unspecified
Scrollable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Control
Logic
Math
Text
Lists
Dictionaries
Colors
Variables
Procedures
Screen2
VerticalArrangement1
HorizontalArrangen
Image1
HorizontalArrangen
HorizontalArrangen
HorizontalArrangen
Rename
Delete
Media
Viewer
when Button1 .Click
do if
TextBox1 . Text = " vk " and PasswordTextBox1 . Text = " vk "
then open another screen screenName Screen3
else set Button1 . TextColor to
0
0
Show Warnings
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Remove Screen
Publish to Gallery
Designer
Blocks
Palette
Search Components...
User Interface
Button
CheckBox
DatePicker
Image
Label
ListPicker
ListView
Notifier
PasswordTextBox
Slider
Spinner
Switch
TextBox
TimePicker
WebViewer
Viewer
Display hidden components in Viewer
Phone size (505,320)
9:48
Screen3
Plant Status
Temperature : NA °C
Humidity : NA %
Components
Screen3
VerticalArrangement1
Label7
Image1
Label1
HorizontalScrollArr
Label3
Label9
Label4
Rename
Delete
Media
Properties
Screen3
AboutScreen
AlignHorizontal
Left : 1
AlignVertical
Top : 1
BackgroundColor
None
BackgroundImage
chip.jpg...
BigDefaultText
CloseScreenAnimation
Default
HighContrast
OpenScreenAnimation
Default
ScreenOrientation
Unspecified
Scrollable