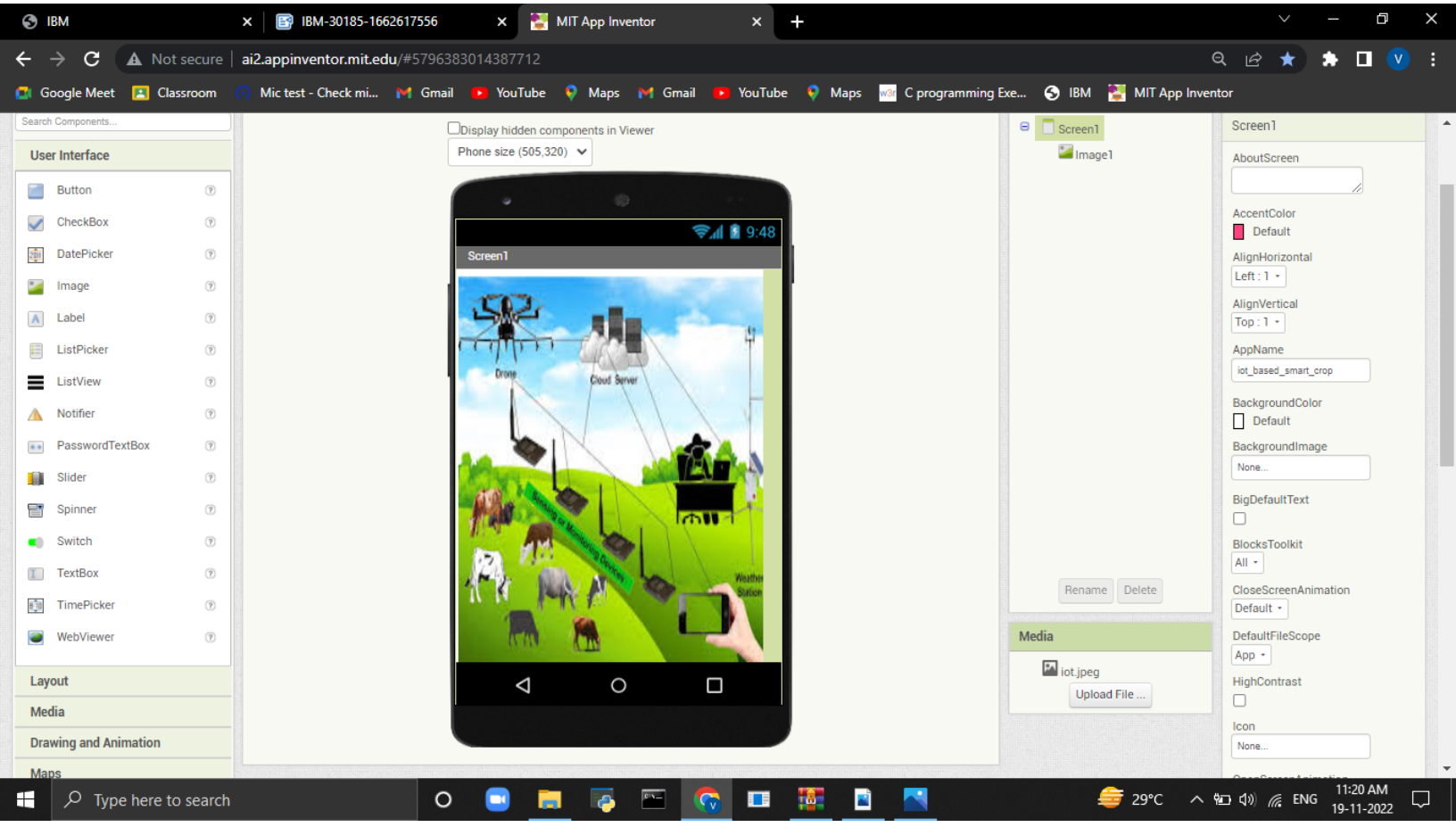
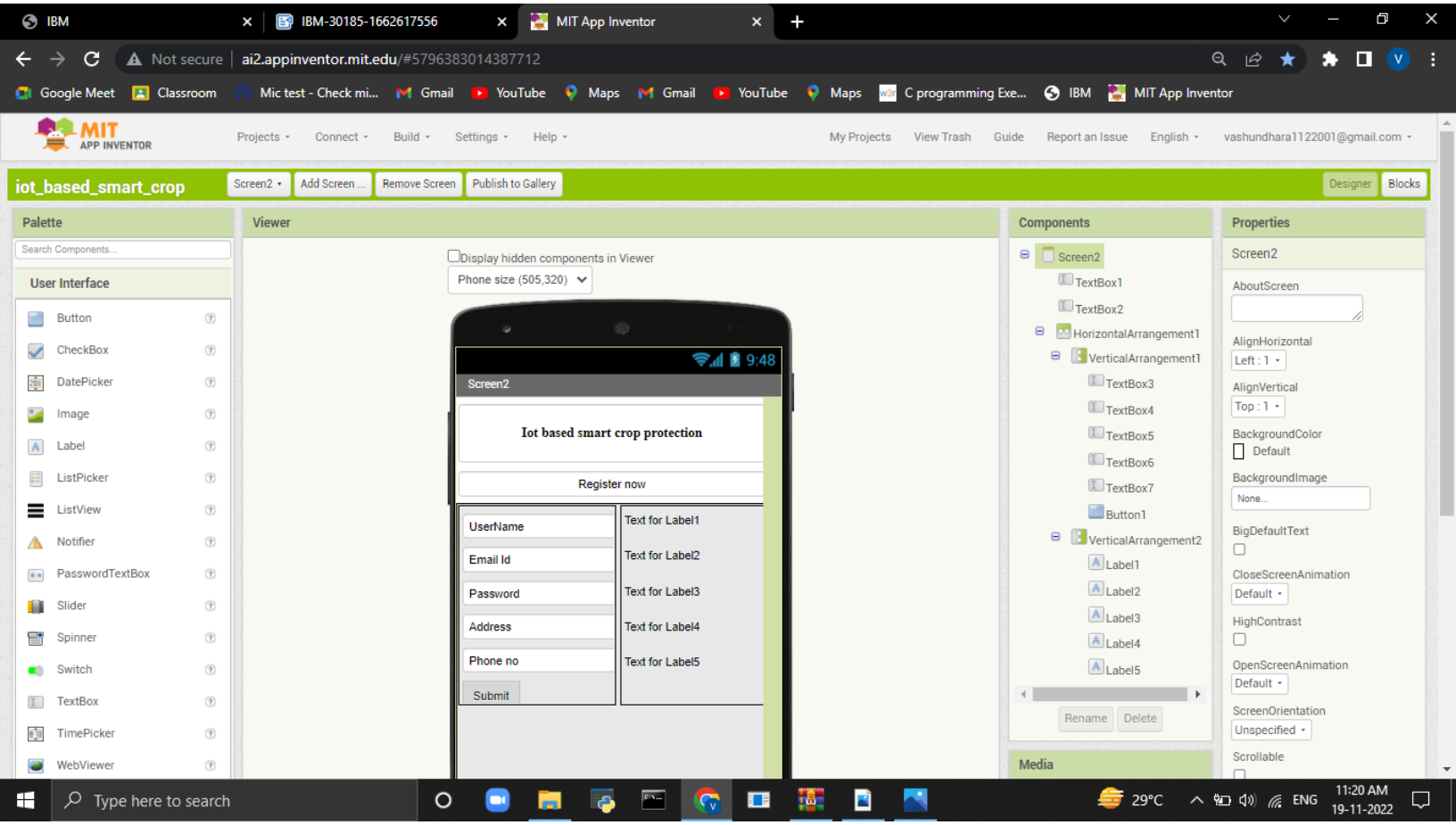
project development phase

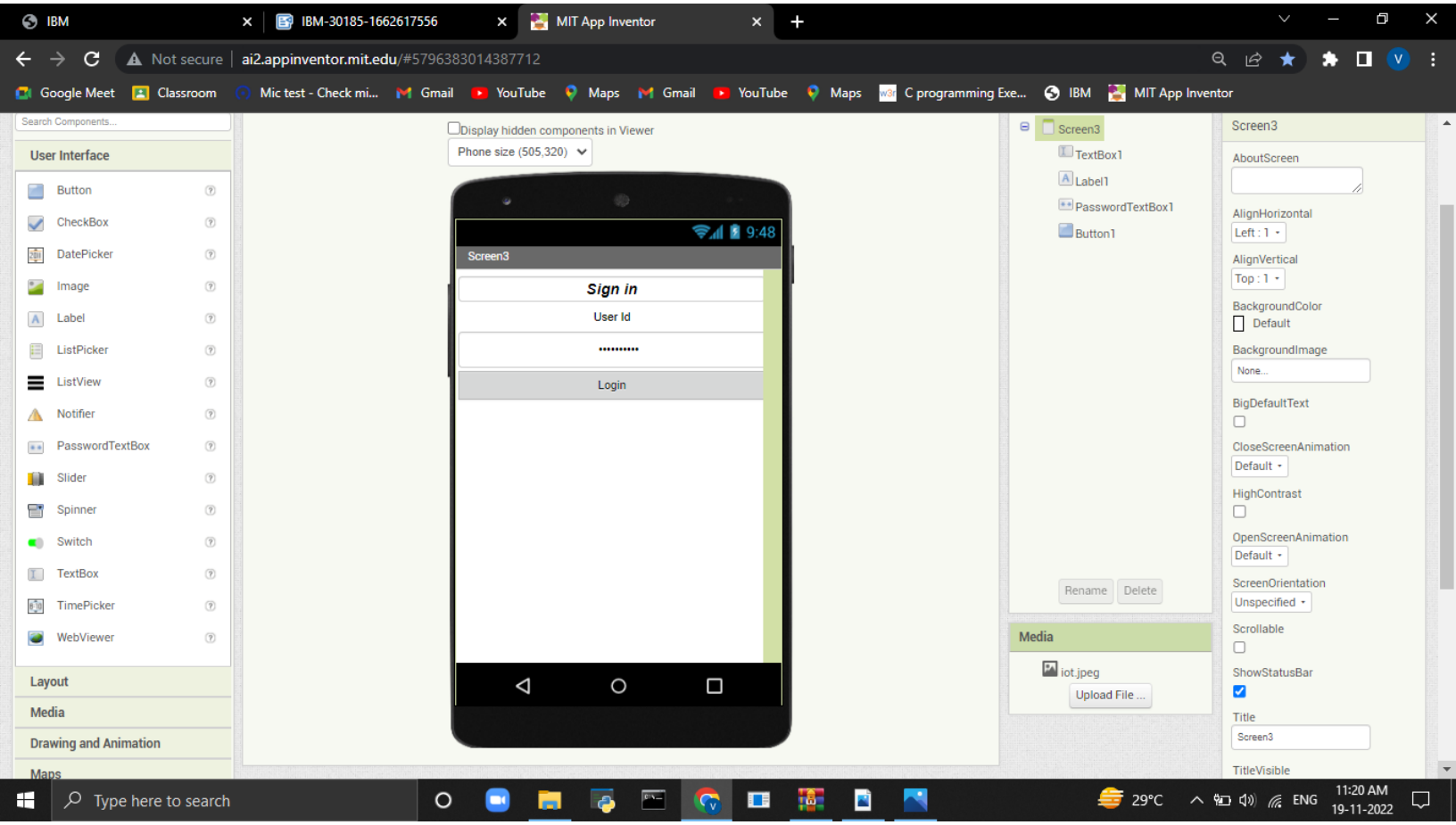
sprint 1

Date	14 NOV 2022
Team ID	PNT2022TMID11461
Project Name	IOT Based Smart Crop Protection System For Agriculture

To develop a web application using node red using node red




IBM
IBM-30185-1662617556
MIT App Inventor
Not secure | ai2.appinventor.mit.edu/#5796383014387712
Google Meet
Classroom
Mic test - Check mi...
Gmail
YouTube
Maps
Gmail
YouTube
Maps
C programming Exe...
IBM
MIT App Inventor
MIT APP INVENTOR
Projects
Connect
Build
Settings
Help
My Projects
View Trash
Guide
Report an Issue
English
vashundhara1122001@gmail.com
iot_based_smart_crop
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
Iot based smart crop protection
Register now
UserName
Email Id
Password
Address
Phone no
Submit
Text for Label1
Text for Label2
Text for Label3
Text for Label4
Text for Label5
Components
Screen2
TextBox1
TextBox2
HorizontalArrangement1
VerticalArrangement1
TextBox3
TextBox4
TextBox5
TextBox6
TextBox7
Button1
VerticalArrangement2
Label1
Label2
Label3
Label4
Label5
Rename
Delete
Media
Properties
Screen2
AboutScreen
AlignHorizontal
Left : 1
AlignVertical
Top : 1
BackgroundColor
Default
BackgroundImage
None...
BigDefaultText
CloseScreenAnimation
Default
HighContrast
OpenScreenAnimation
Default
ScreenOrientation
Unspecified
Scrollable
Type here to search
29°C
ENG
11:20 AM
19-11-2022


IBM
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Google Meet
Classroom
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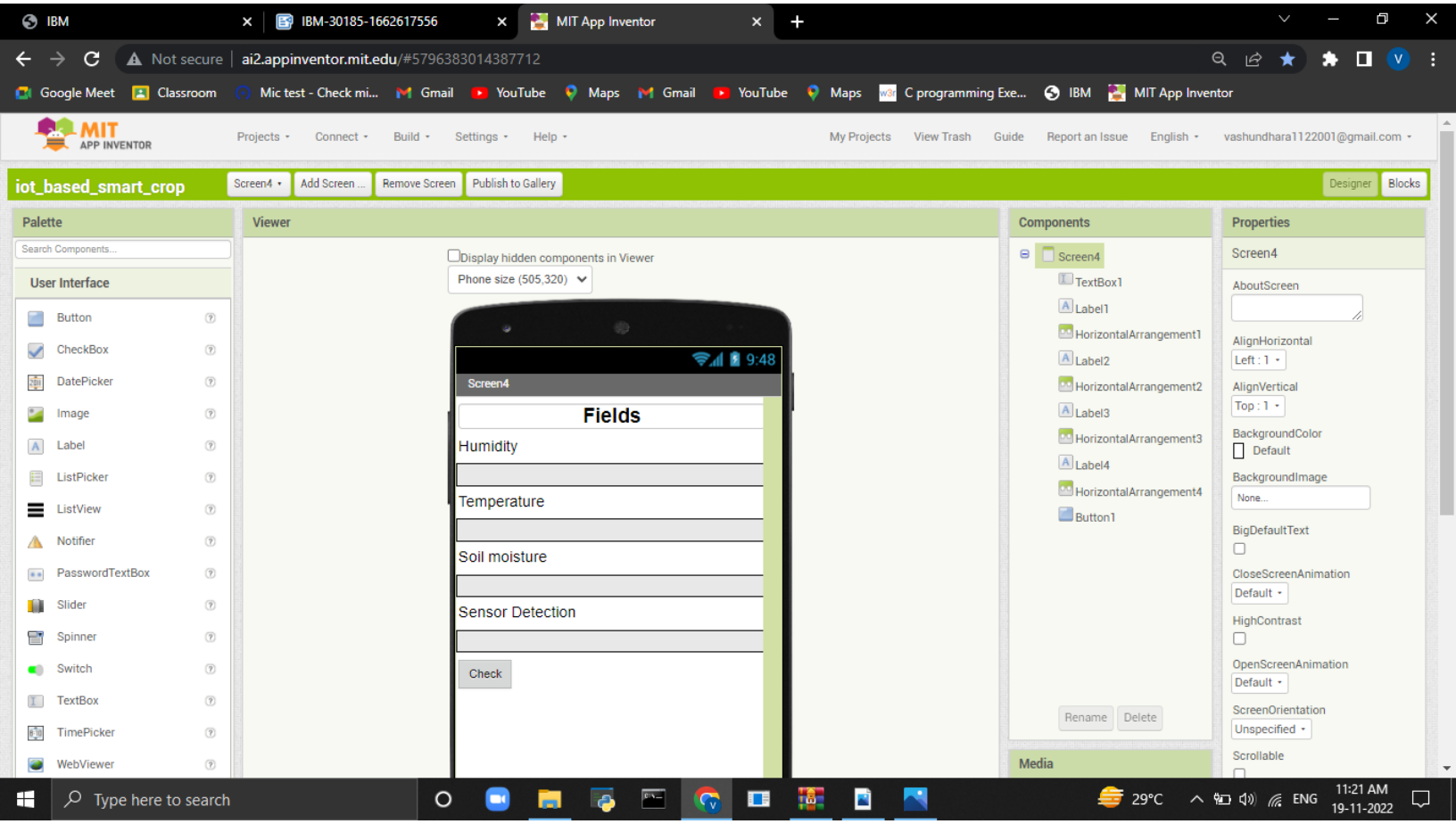
Maps
C programming Exe...
IBM
MIT App Inventor
Search Components...
User Interface
Button
CheckBox
DatePicker
Image
Label
ListPicker
ListView
Notifier
PasswordTextBox
Slider
Spinner
Switch
TextBox
TimePicker
WebViewer
Layout
Media
Drawing and Animation
Maps
Display hidden components in Viewer
Phone size (505,320)
9:48
Screen3
Sign in
User Id
Login
Screen3
TextBox1
Label1
PasswordTextBox1
Button1
Rename
Delete
Media
iot.jpeg
Upload File ...
Screen3
AboutScreen
AlignHorizontal
Left : 1
AlignVertical
Top : 1
BackgroundColor
Default
BackgroundImage
None...
BigDefaultText
CloseScreenAnimation
Default
HighContrast
OpenScreenAnimation
Default
ScreenOrientation
Unspecified
Scrollable
ShowStatusBar
Title
Screen3
TitleVisible
Type here to search
29°C
ENG
11:20 AM
19-11-2022


IBM
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Projects
Connect
Build
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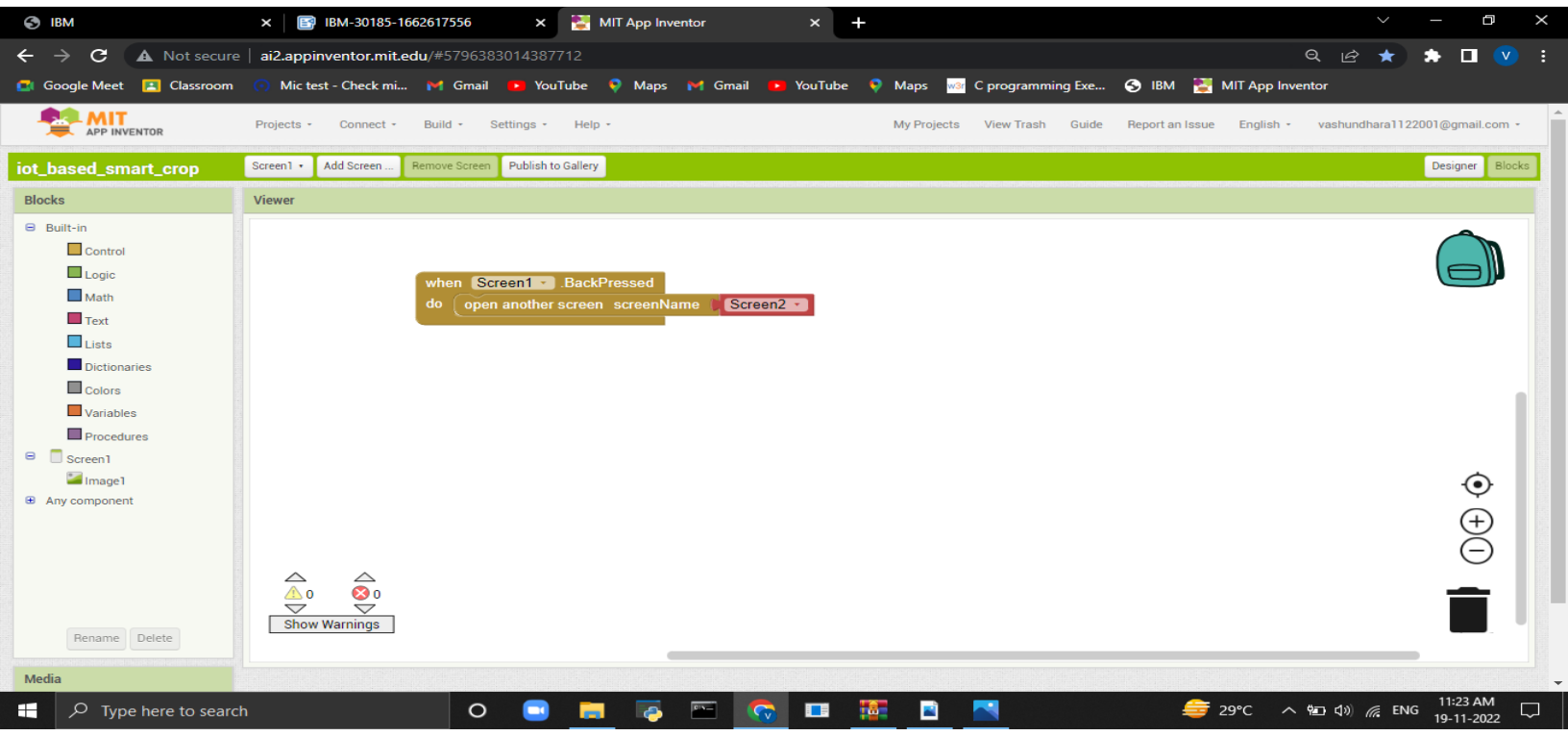
iot_based_smart_crop
Screen4
Add Screen ...
Remove Screen
Publish to Gallery
Designer
Blocks
Palette
User Interface
Button
CheckBox
DatePicker
Image
Label
ListPicker
ListView
Notifier
PasswordTextBox
Slider
Spinner
Switch
TextBox
TimePicker
WebViewer
Viewer
Display hidden components in Viewer
Phone size (505,320)
9:48
Screen4
Fields
Humidity
Temperature
Soil moisture
Sensor Detection
Check
Components
Screen4
TextBox1
Label1
HorizontalArrangement1
Label2
HorizontalArrangement2
Label3
HorizontalArrangement3
Label4
HorizontalArrangement4
Button1
Rename
Delete
Media
Properties
Screen4
AboutScreen
AlignHorizontal
Left : 1
AlignVertical
Top : 1
BackgroundColor
Default
BackgroundImage
None...
BigDefaultText
CloseScreenAnimation
Default
HighContrast
OpenScreenAnimation
Default
ScreenOrientation
Unspecified
Scrollable
Type here to search
29°C
ENG
11:21 AM
19-11-2022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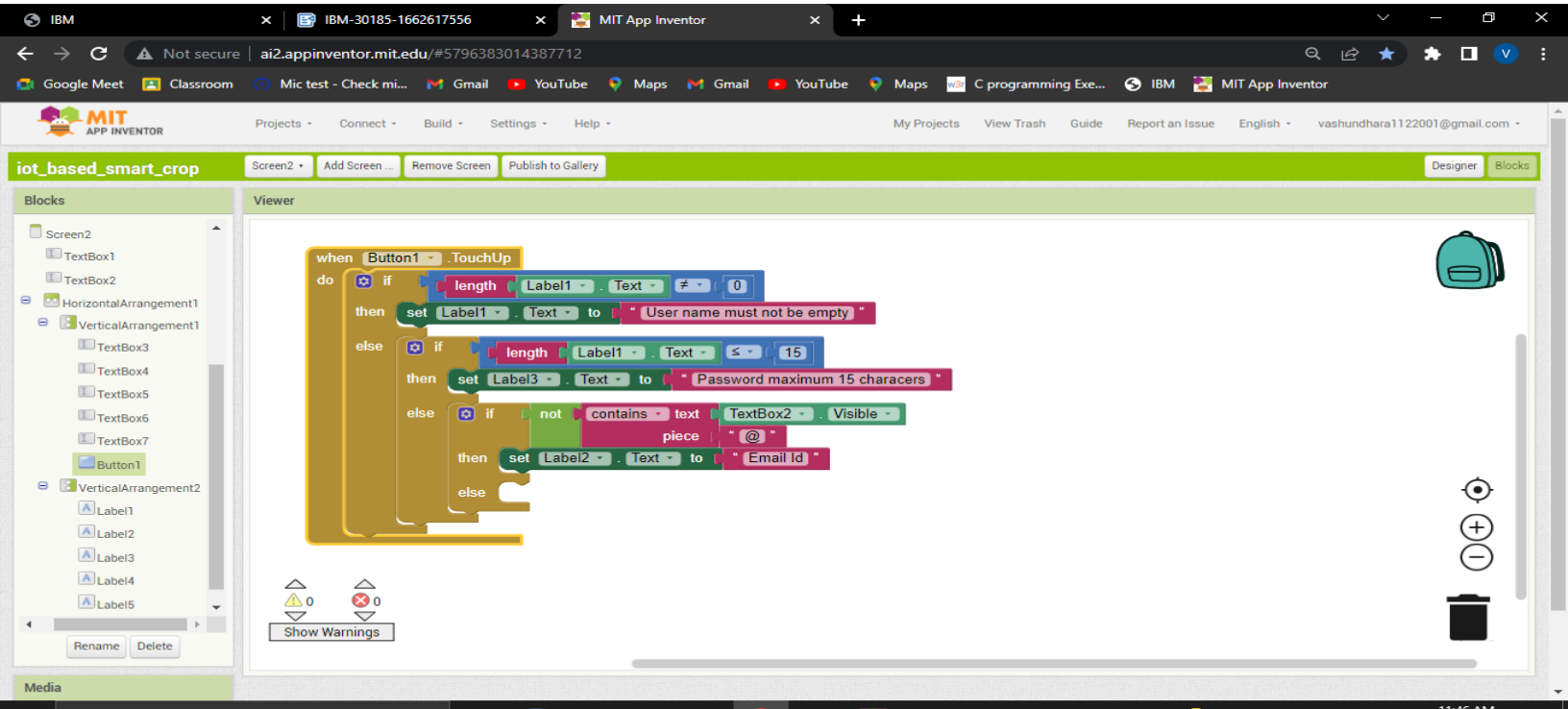
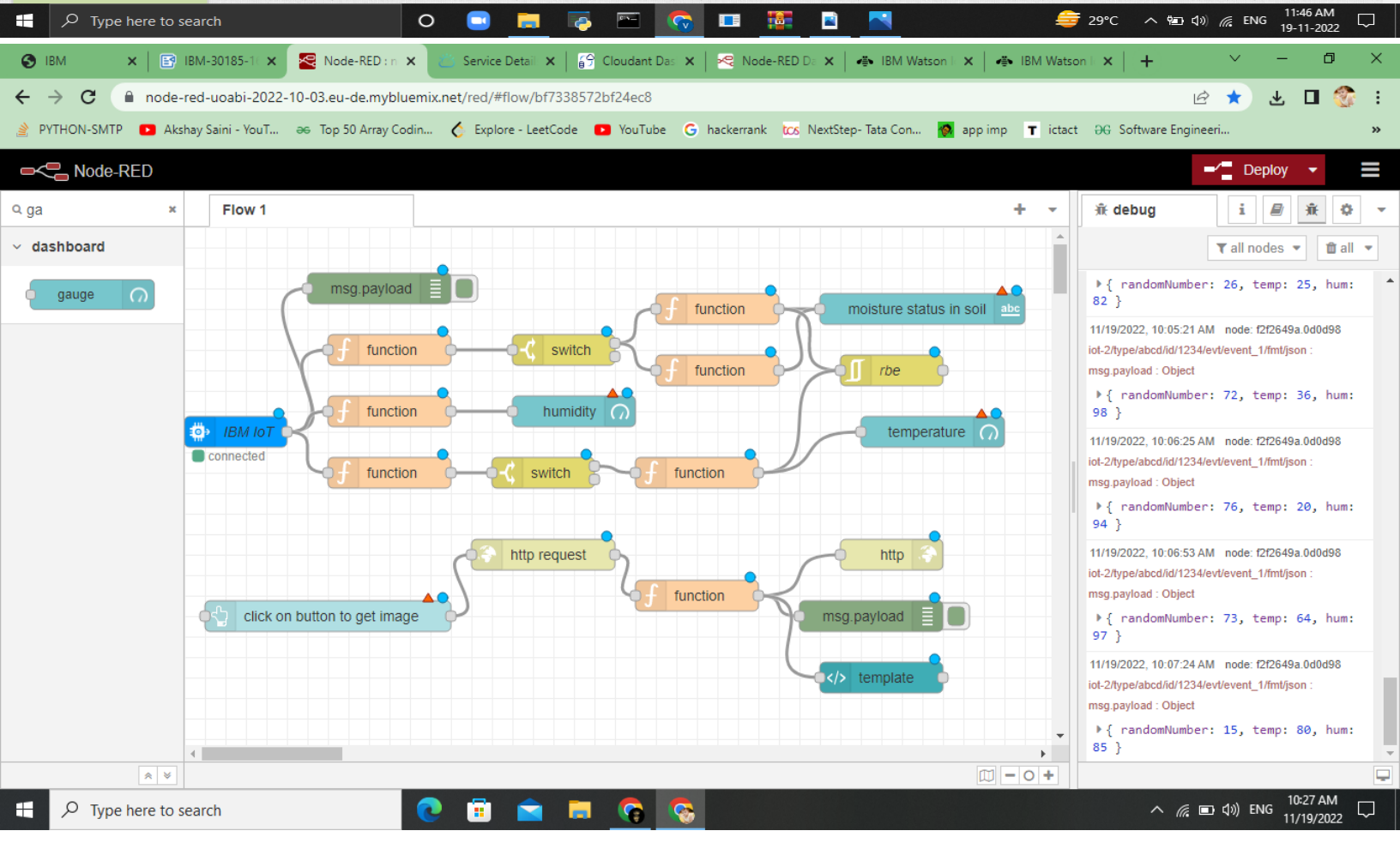
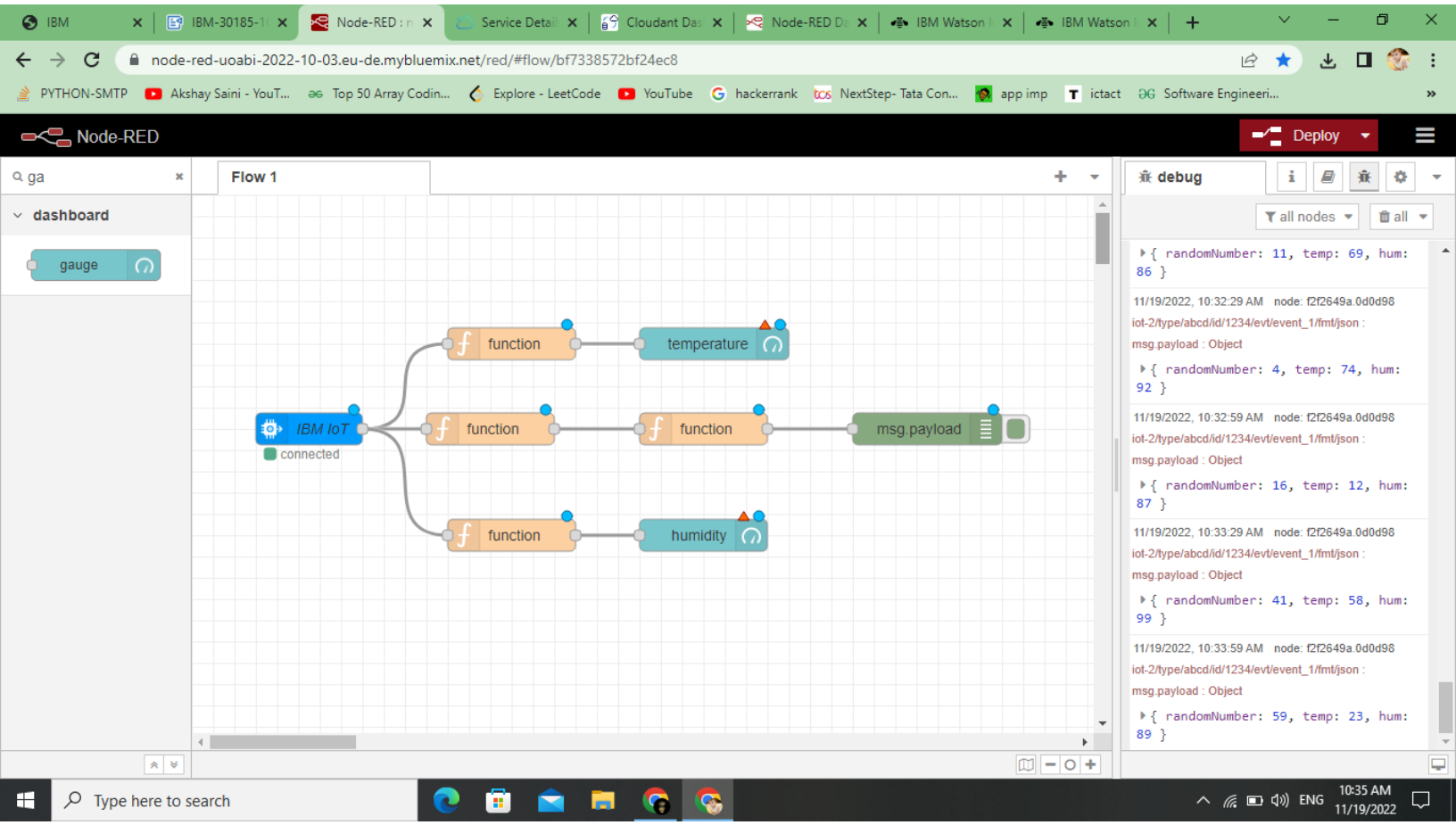
Screen1
Add Screen ...
Remove Screen
Publish to Gallery
Designer
Blocks
Blocks
Built-in
Control
Logic
Math
Text
Lists
Dictionaries
Colors
Variables
Procedures
Screen1
Image1
Any component
Rename
Delete
Media
Viewer
when Screen1 .BackPressed
do open another screen screenName Screen2
0
0
Show Warnings
Type here to search
29°C
ENG
11:23 AM
19-11-2022


IBM
IBM-30185-1662617556
MIT App Inventor
ai2.appinventor.mit.edu/#5796383014387712
iot_based_smart_crop
Screen2
Add Screen ...
Remove Screen
Publish to Gallery
Designer
Blocks
Viewer
when Button1 .TouchUp
do if length Label1 . Text ≠ 0
then set Label1 . Text to " User name must not be empty "
else if length Label1 . Text ≤ 15
then set Label3 . Text to " Password maximum 15 characers "
else if not contains text TextBox2 . Visible
piece " @ "
then set Label2 . Text to " Email Id "
else
Show Warnings
Rename
Delete
Media

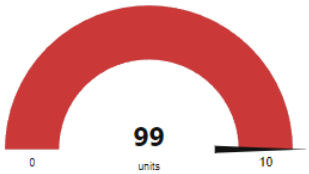

Node-RED
node-red-uoabi-2022-10-03.eu-de.mybluemix.net/red/#flow/bf7338572bf24ec8
Deploy
Flow 1
dashboard
gauge
msg.payload
function
switch
humidity
IBM IoT
connected
moisture status in soil
rbe
temperature
http request
http
click on button to get image
template
debug
all nodes
{ randomNumber: 26, temp: 25, hum: 82 }
{ randomNumber: 72, temp: 36, hum: 98 }
{ randomNumber: 76, temp: 20, hum: 94 }
{ randomNumber: 73, temp: 64, hum: 97 }
{ randomNumber: 15, temp: 80, hum: 85 }


IBM
Node-RED
node-red-uoabi-2022-10-03.eu-de.mybluemix.net/red/#flow/bf7338572bf24ec8
Node-RED
Deploy
ga
dashboard
gauge
Flow 1
function
temperature
IBM IoT
connected
function
function
msg.payload
function
humidity
debug
all nodes
all
{ randomNumber: 11, temp: 69, hum: 86 }
11/19/2022, 10:32:29 AM node: f2f2649a.0d0d98
iot-2/type/abcd/id/1234/evt/event_1/fmt/json : msg.payload : Object
{ randomNumber: 4, temp: 74, hum: 92 }
11/19/2022, 10:32:59 AM node: f2f2649a.0d0d98
iot-2/type/abcd/id/1234/evt/event_1/fmt/json : msg.payload : Object
{ randomNumber: 16, temp: 12, hum: 87 }
11/19/2022, 10:33:29 AM node: f2f2649a.0d0d98
iot-2/type/abcd/id/1234/evt/event_1/fmt/json : msg.payload : Object
{ randomNumber: 41, temp: 58, hum: 99 }
11/19/2022, 10:33:59 AM node: f2f2649a.0d0d98
iot-2/type/abcd/id/1234/evt/event_1/fmt/json : msg.payload : Object
{ randomNumber: 59, temp: 23, hum: 89 }
Type here to search
ENG
10:35 AM
11/19/2022

smart crop protection

crop protection

Humidity



MOTOR ON

MOTOR OFF

sensor data

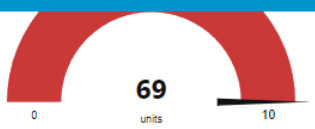
Type here to search

30°C Cloudy

ENG

02:08
16-11-2022

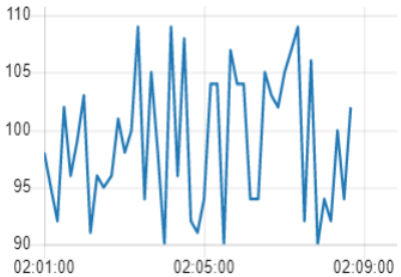
smart crop protection



MOTOR ON

MOTOR OFF

sensor data



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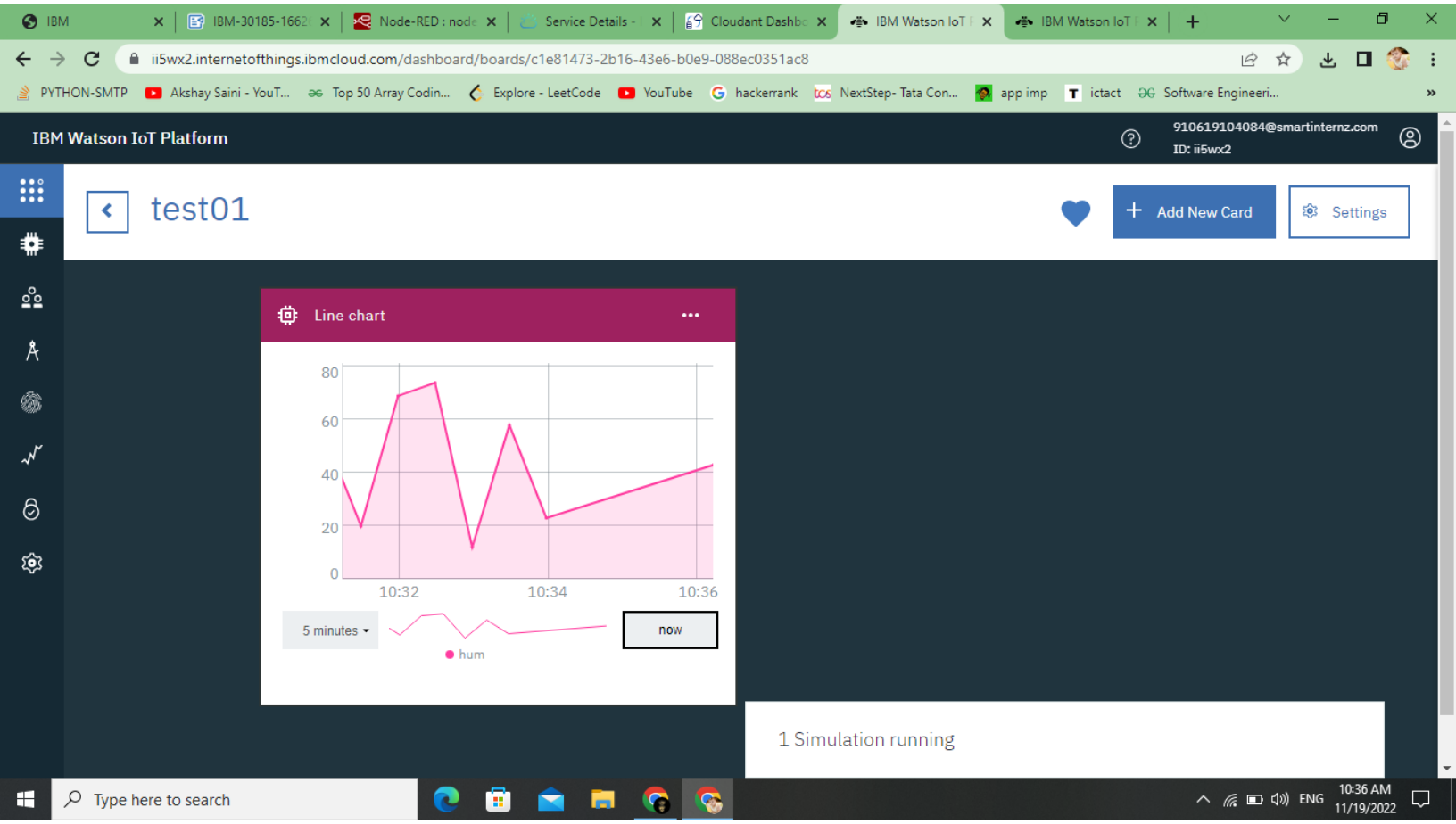
30°C Cloudy

ENG

02:08
16-11-2022


IBM
IBM-30185-1662
Node-RED : node
Service Details -
Cloudant Dashbo
IBM Watson IoT
IBM Watson IoT
ii5wx2.internetofthings.ibmcloud.com/dashboard/boards/c1e81473-2b16-43e6-b0e9-088ec0351ac8
PYTHON-SMTP
Akshay Saini - YouT...
Top 50 Array Codin...
Explore - LeetCode
YouTube
hackerrank
NextStep- Tata Con...
app imp
ictact
Software Engineeri...
IBM Watson IoT Platform
910619104084@smartinternz.com
ID: ii5wx2
test01
Add New Card
Settings
Line chart
80
60
40
20
0
10:32
10:34
10:36
5 minutes
now
hum
1 Simulation running
Type here to search
ENG
10:36 AM
11/19/2022