

# SPRINT - III

<b>Date</b>	<b>14.11.2022</b>
<b>Team ID</b>	<b>PNT2022TMID01185</b>
<b>Project Name</b>	<b>Smart Farmer - IoT Enabled Smart Farming Application</b>

## Create IBM Watson IoT Platform:

The screenshot displays the IBM Cloud console for the 'Internet of Things Platform-86' resource. The interface includes a top navigation bar with the IBM Cloud logo and a search bar. The left sidebar shows the 'Manage' section with sub-options for 'Plan' and 'Connections'. The main content area features a large graphic of a microchip with data lines, followed by the heading 'Let's get started with IBM Watson IoT Platform' and a brief description: 'Securely connect, control, and manage devices. Quickly build IoT applications that analyze data from the physical world.' Below this are 'Launch' and 'Docs' buttons. A section titled 'Ready for the next level?' introduces the 'IBM Watson IoT Platform Journey' with three service plans: Lite, Non-Production, and Production. Each plan includes a description and a list of features or pricing details.

Service Plan	Description	Features/Pricing
<b>Lite</b>	The Lite service plan provides a lightweight development environment to get you started with the connectivity capabilities of Watson IoT Platform.	<ul style="list-style-type: none"><li>Free</li><li>200 MB data-transfer limit</li></ul>
<b>Non-Production</b>	The Non-Production service plan is a full-featured, fully-integrated offering that enables you to explore Watson IoT Platform to see how the service can fit into your IoT environment.	<ul style="list-style-type: none"><li>Starts at \$500 per month</li><li>Capacity limit based on device type</li></ul>
<b>Production</b>	The Production service is a fully managed SaaS offering that enables you to manage and analyze enterprise IoT data.	<ul style="list-style-type: none"><li>Includes IBM Service &amp; Support</li><li>Pricing based on number of devices per</li></ul>

## Enabling the Watson service:

The screenshot shows the IBM Watson IoT Platform interface. The top navigation bar includes 'Browse', 'Action', 'Device Types', and 'Interfaces'. A sidebar on the left contains various icons for navigation. The main content area displays a table of devices. One device, 'viv3', is selected and its details are shown in a modal window. The device is in a 'Disconnected' state. Below the table, there is a section for '0 Simulations running'.

Device ID	Status	Device Type	Class ID	Date Added	Descriptive Location
viv3	Disconnected	viv3	Device	Oct 5, 2022 8:37 AM	

Device Details:

- Device ID: viv3
- Device Type: viv3
- Date Added: Oct 5, 2022 8:37 AM
- Added By: 211419106302@smartinternz.com
- Connection Status: Disconnected

## Creating Node-Red service:

The screenshot shows the Node-RED on IBM Cloud landing page. The page has a dark red header with the text 'Node-RED' and 'Flow-based programming for the Internet of Things'. Below the header, there is a section with text describing Node-RED as a programming tool for wiring together hardware devices, APIs and online services. A button labeled 'Go to your Node-RED flow editor' is present. At the bottom, there is a link to 'Learn how to customise Node-RED'.

Node-RED is a programming tool for wiring together hardware devices, APIs and online services in new and interesting ways.

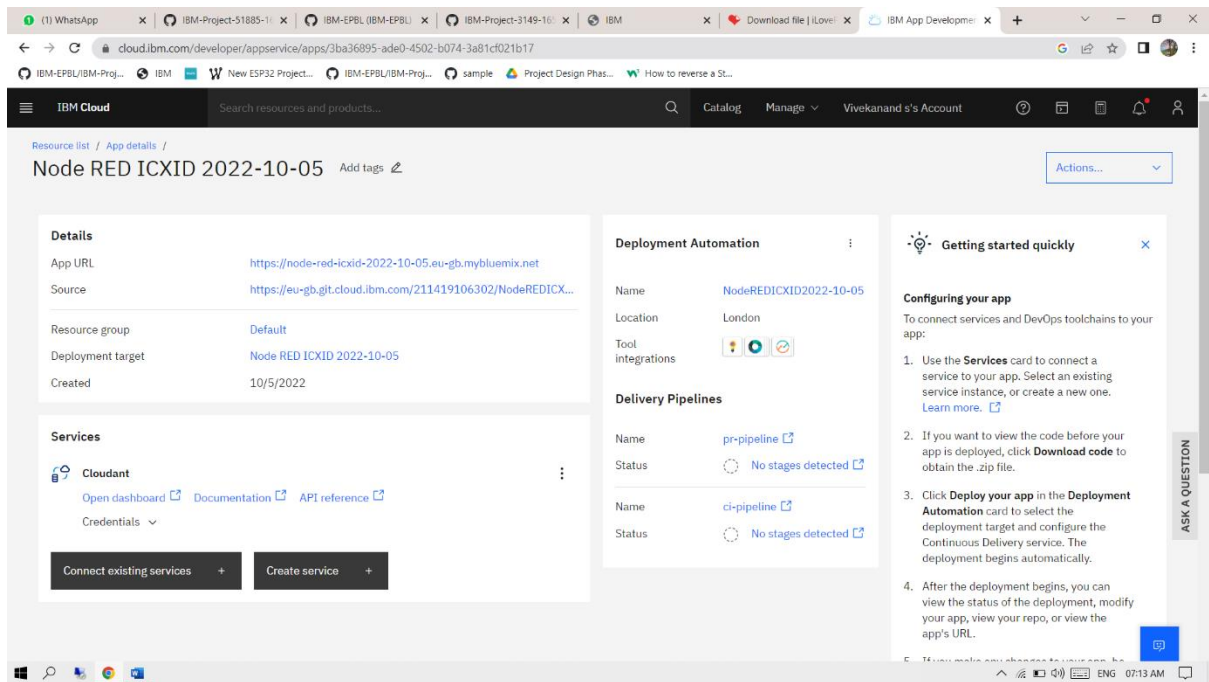
This instance is running as an IBM Cloud application, giving it access to the wide range of services available on the platform.

More information about Node-RED, including documentation, can be found at [nodered.org](https://nodered.org).

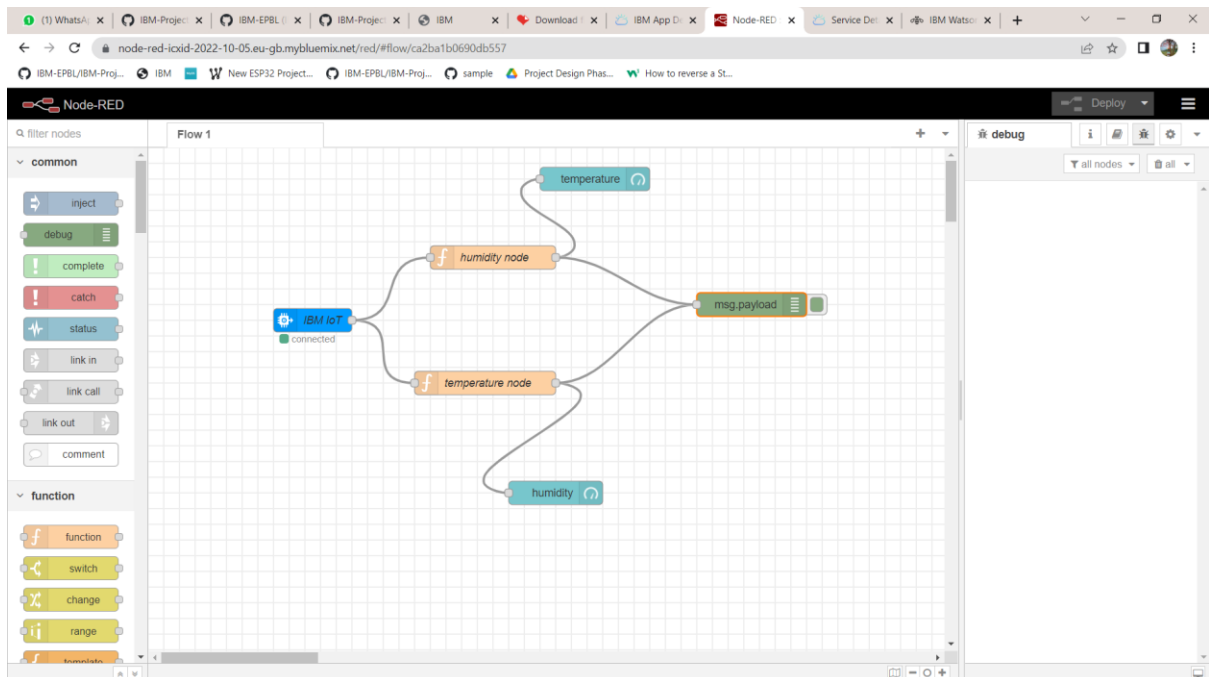
[Go to your Node-RED flow editor](#)

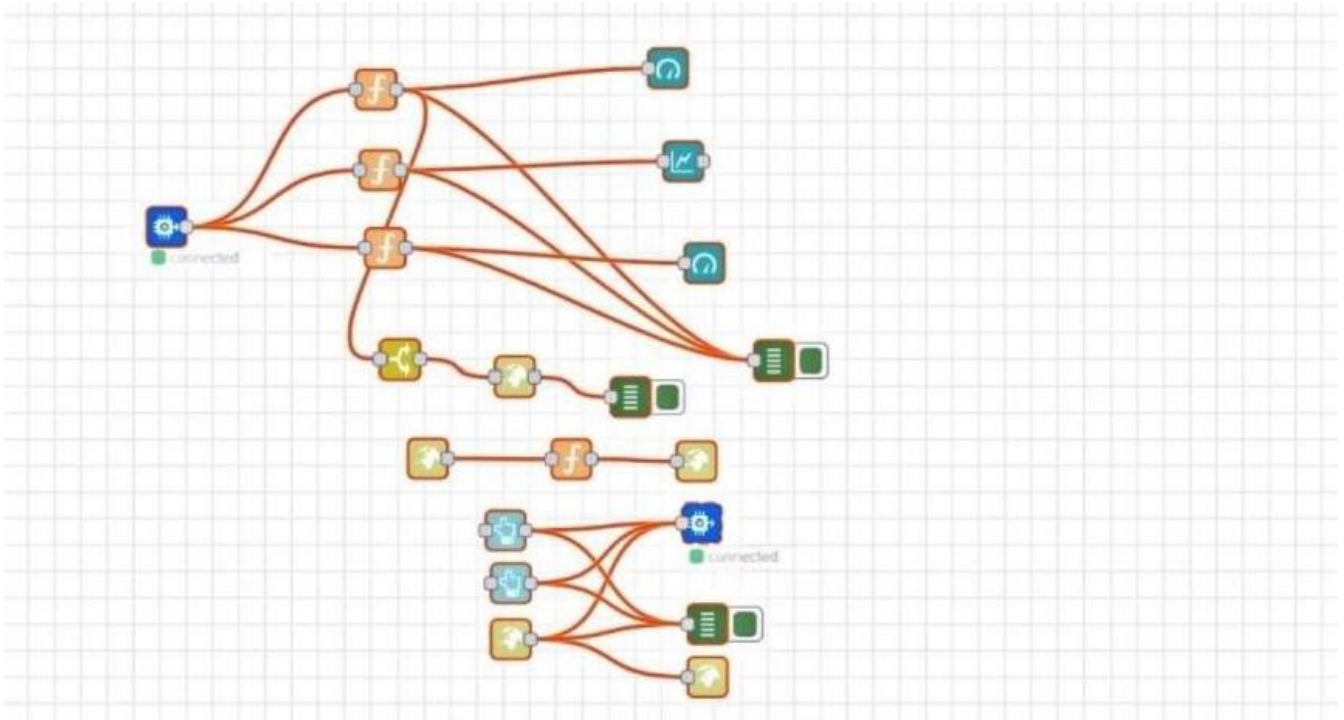
[Learn how to customise Node-RED](#)

Customising your instance of Node-RED

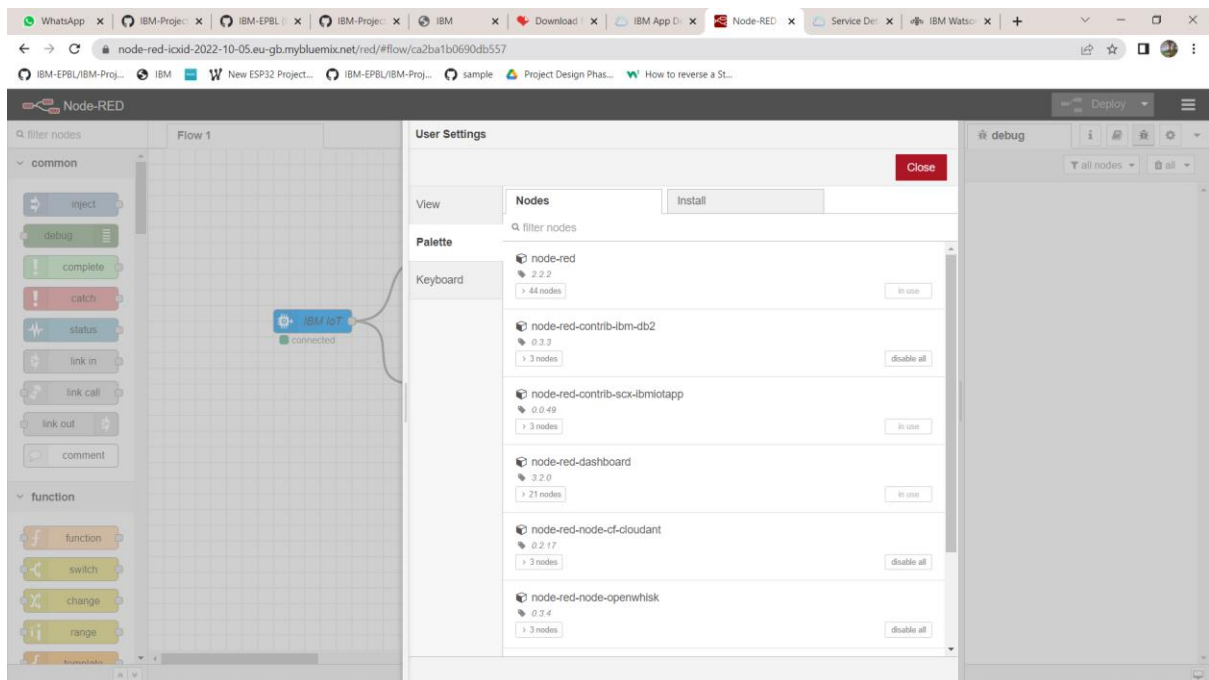


## Making the project flow:





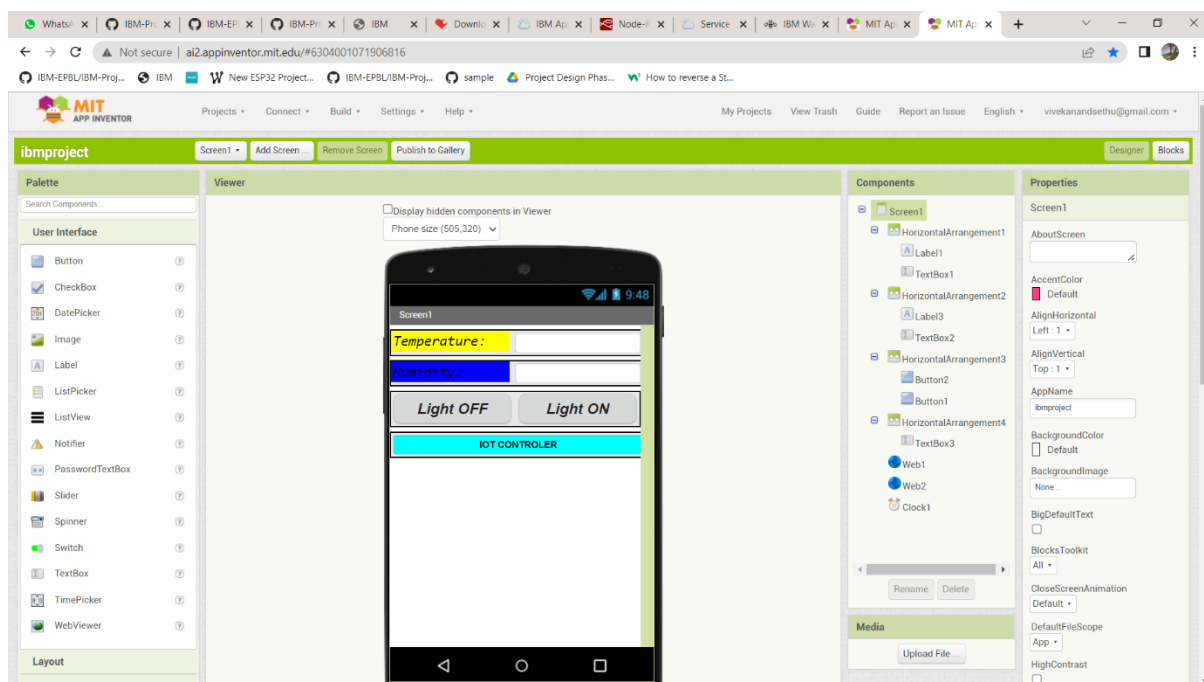
## installing the required palette:



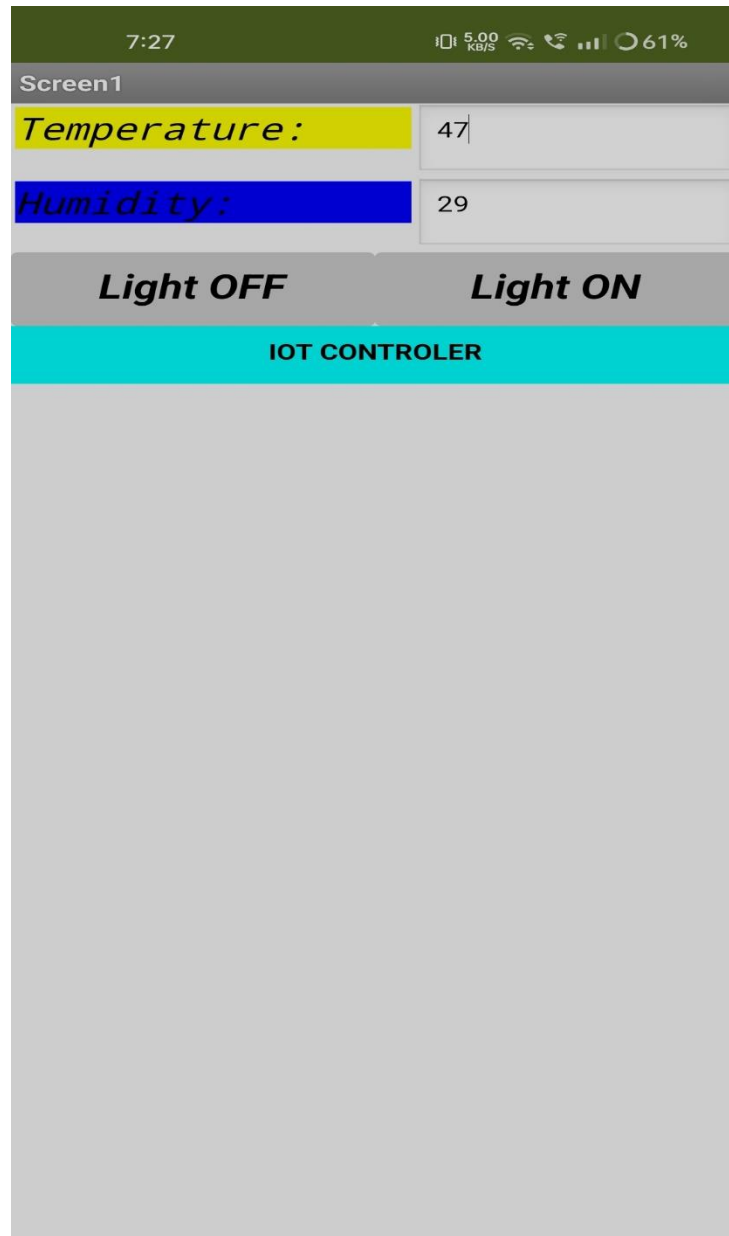
## Getting data from IBM Watson:



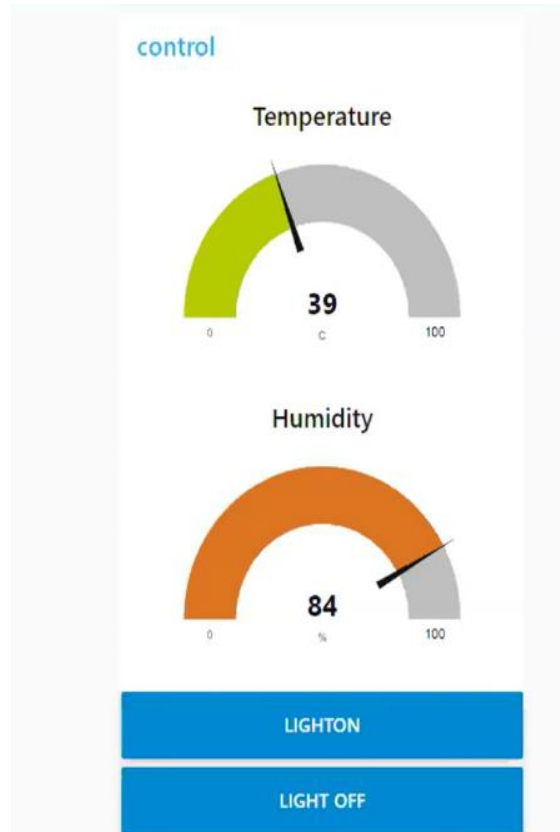
## Connecting with MIT app inventor:



## Deploying it as mobile application:



## User display with the web application:



Reference URL:

[http://node-red-stari-2022-11-14.eu-gb.mybluemix.net/ui/#/0?socketid-SWP/6aUsnA6\\_dLMSAAAB](http://node-red-stari-2022-11-14.eu-gb.mybluemix.net/ui/#/0?socketid-SWP/6aUsnA6_dLMSAAAB)