

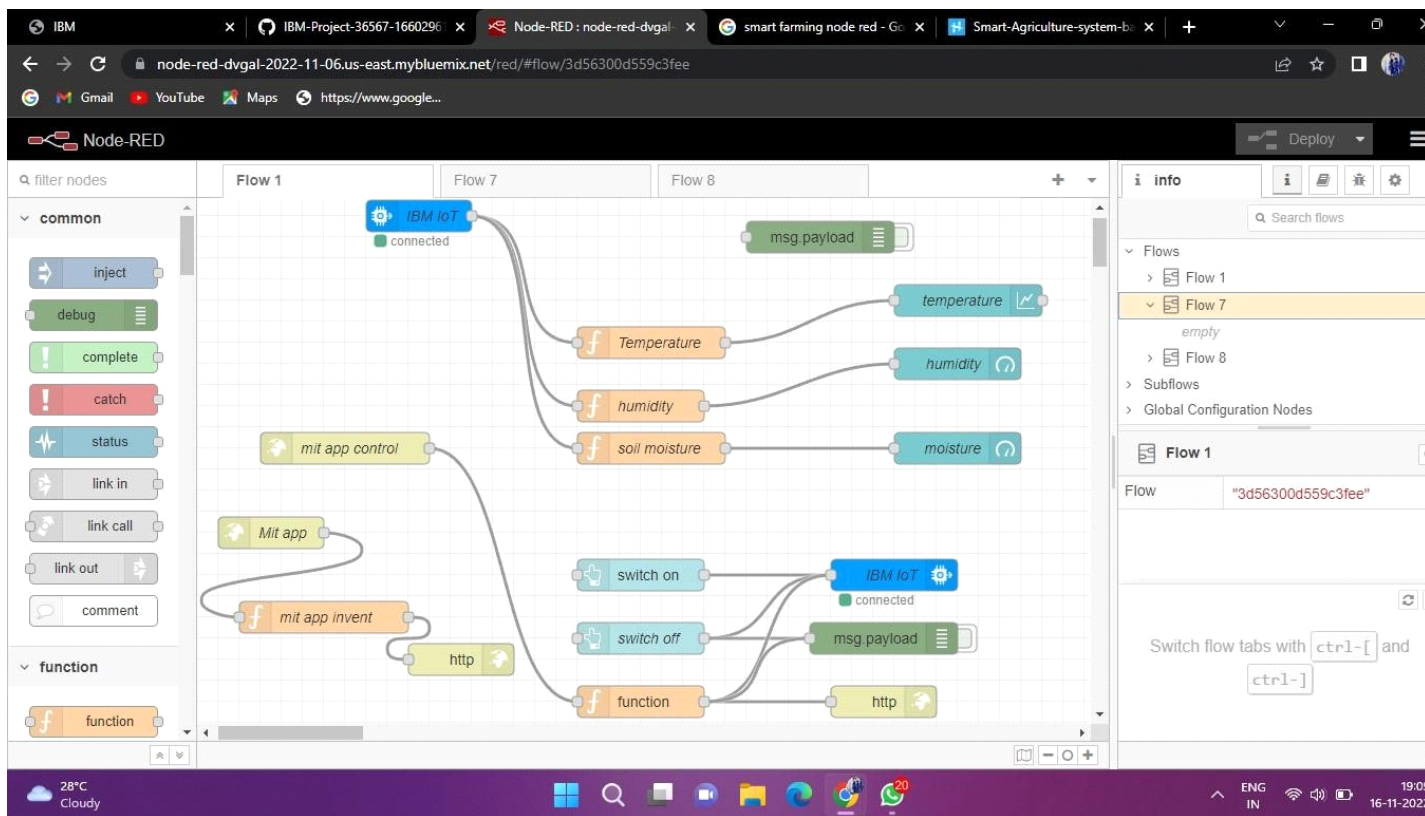
**SMART FARMER – IOT ENABLEDD SMART FARMING**  
**APPLICATION**  
**PROJECT DEVELOPMENT – DELIVERY OF**  
**SPRINT – 4**

<b>DATE</b>	19 NOVEMBER 2022
<b>TITLE</b>	SMART FARMER – IOT ENABLED SMART FARMING APPLICATION
<b>TEAM ID</b>	PNT2022TMID11808
<b>TEAM LEADER NAME</b>	Tharun Raj T R
<b>TEAM MEMBER NAME</b>	RanjithV Mohith M Shailesh Kanna R

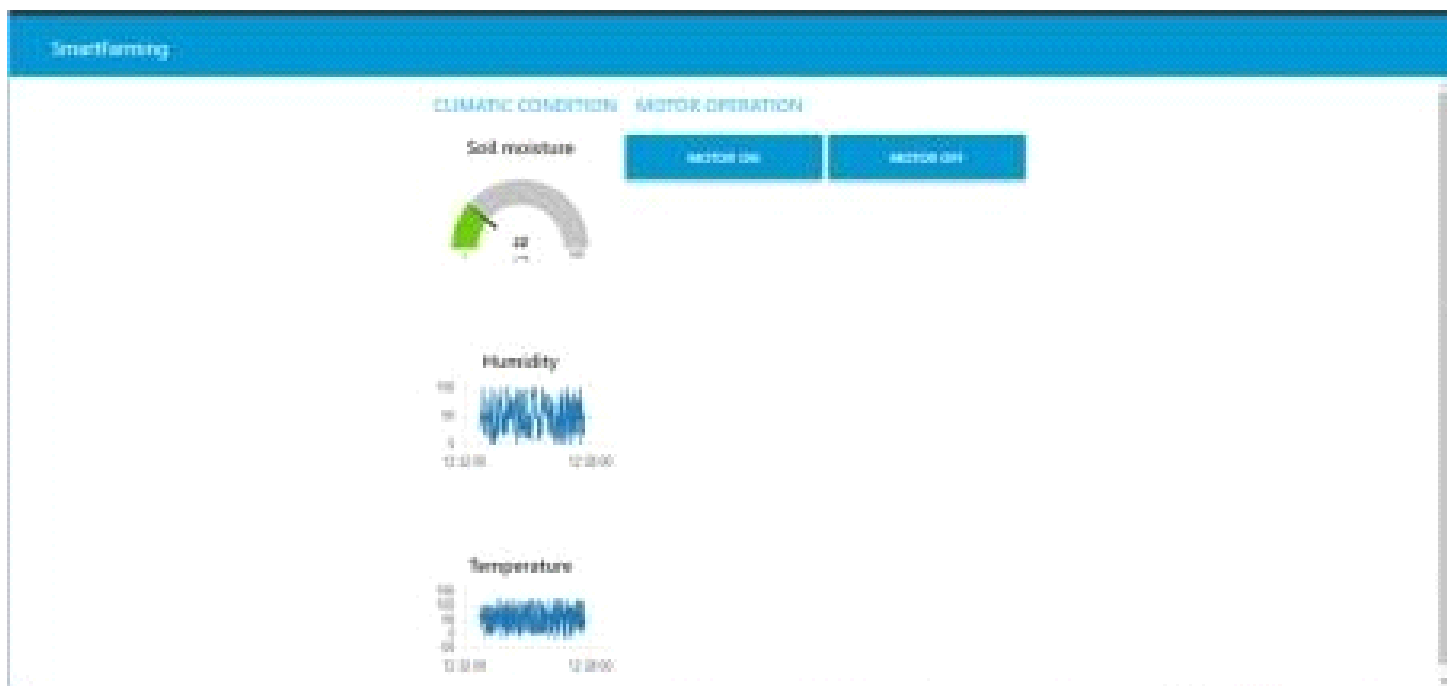
**STEP 1:**

**BUILD A WEB APPLICATION USINGNODERED**  
**SERVICES:**

**NODE-RED**



**OUTPUT :**



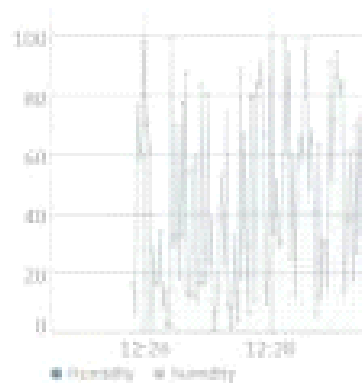
## STEP 2:

### IBM WATSON DEVICE PLATFORM

The screenshot displays the IBM Cloud console interface. At the top, the browser address bar shows the URL `cloud.ibm.com/services/datacatalog/crn%3Av1%3Abluemix%3Apublic%3Adatacatalog%3Aeu-de%3Aa%2F4ec960ce57ea4ac1b76b493ebd613157%3A6bbd678c-2691-4...`. The console header includes the IBM Cloud logo, a search bar, and navigation links for Catalog, Manage, and SNEHA L's Account. The main content area is titled "Watson Knowledge Catalog-tc" with a green "Active" status and an "Add tags" link. A sidebar on the left shows "Manage" and "Plan" options. The central panel features a diagram illustrating the architecture: "IBM Watson Knowledge Catalog in Cloud Pak for Data" is shown as a blue cube on top of a "IBM Cloud Pak for Data Unifying platform" (a grid of blue cubes), which sits on "IBM Cloud Based cloud infrastructure" (a base layer). Text below the diagram states: "IBM Watson Knowledge Catalog is one of the core services in Cloud Pak for Data and an essential part of the data fabric. Watson Knowledge Catalog provides a metadata-based knowledge core, data self-service, and unified governance." A blue button labeled "Launch in IBM Cloud Pak for Data" is positioned below the text. At the bottom of the console, a "Helpful links" section is visible. The Windows taskbar at the very bottom shows the date and time as 20:31 on 16-11-2022, along with system icons for temperature (27°C Cloudy), network, and volume.

## OUTPUT SCREENSHOT:

Line chart



Gauge



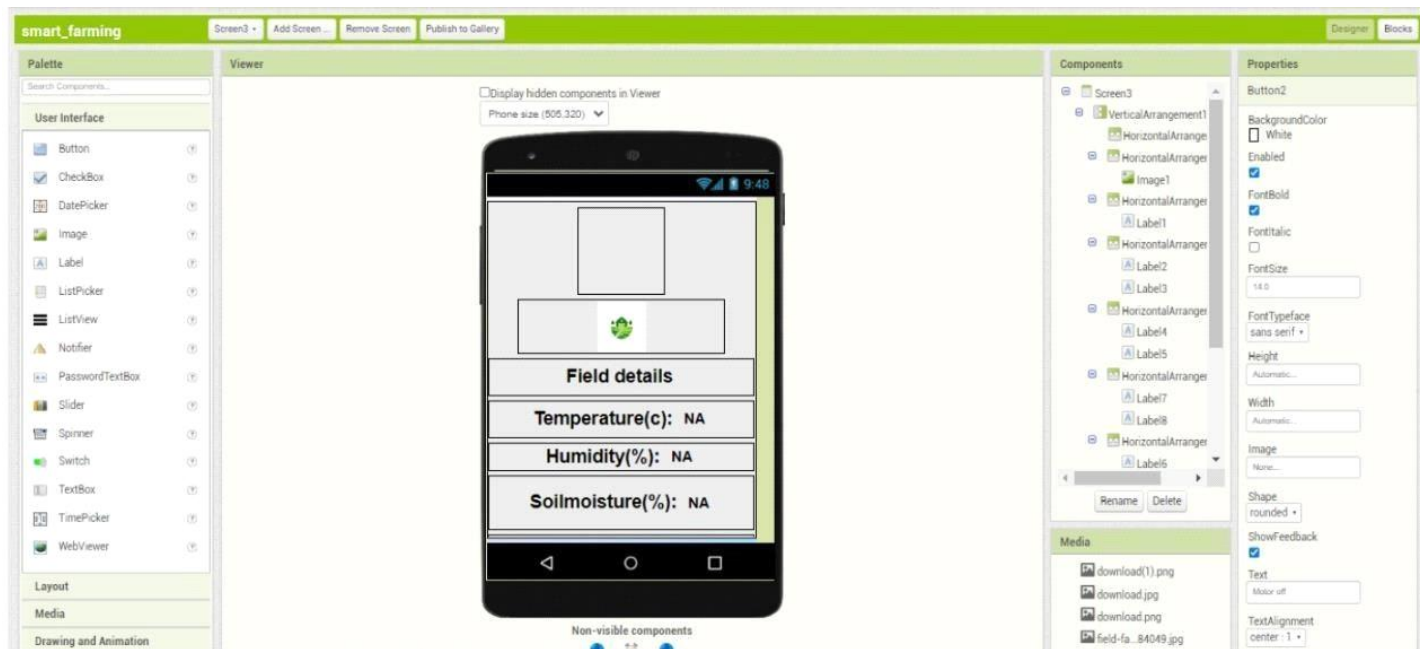
Donut chart



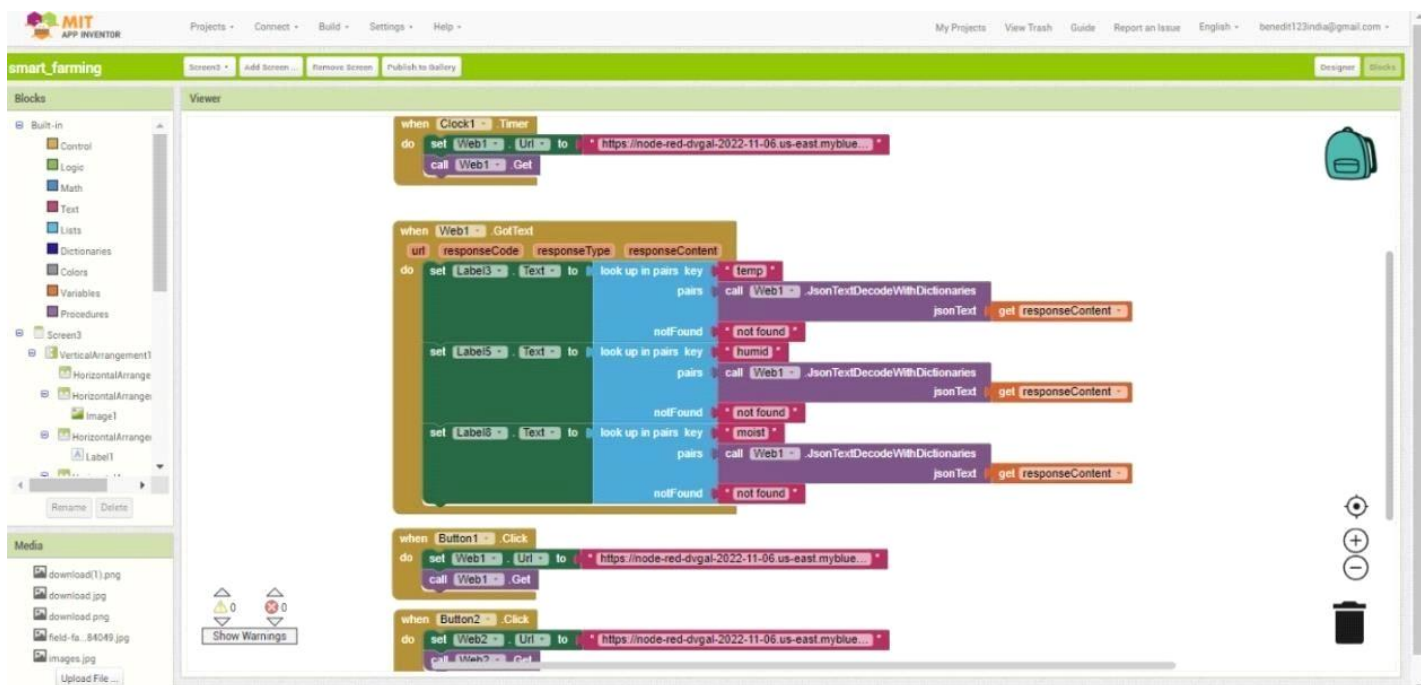
**STEP 3:**

**PYTHON SCRIPT**





## BLOCKS:



## MOBILE SCREEN:

