

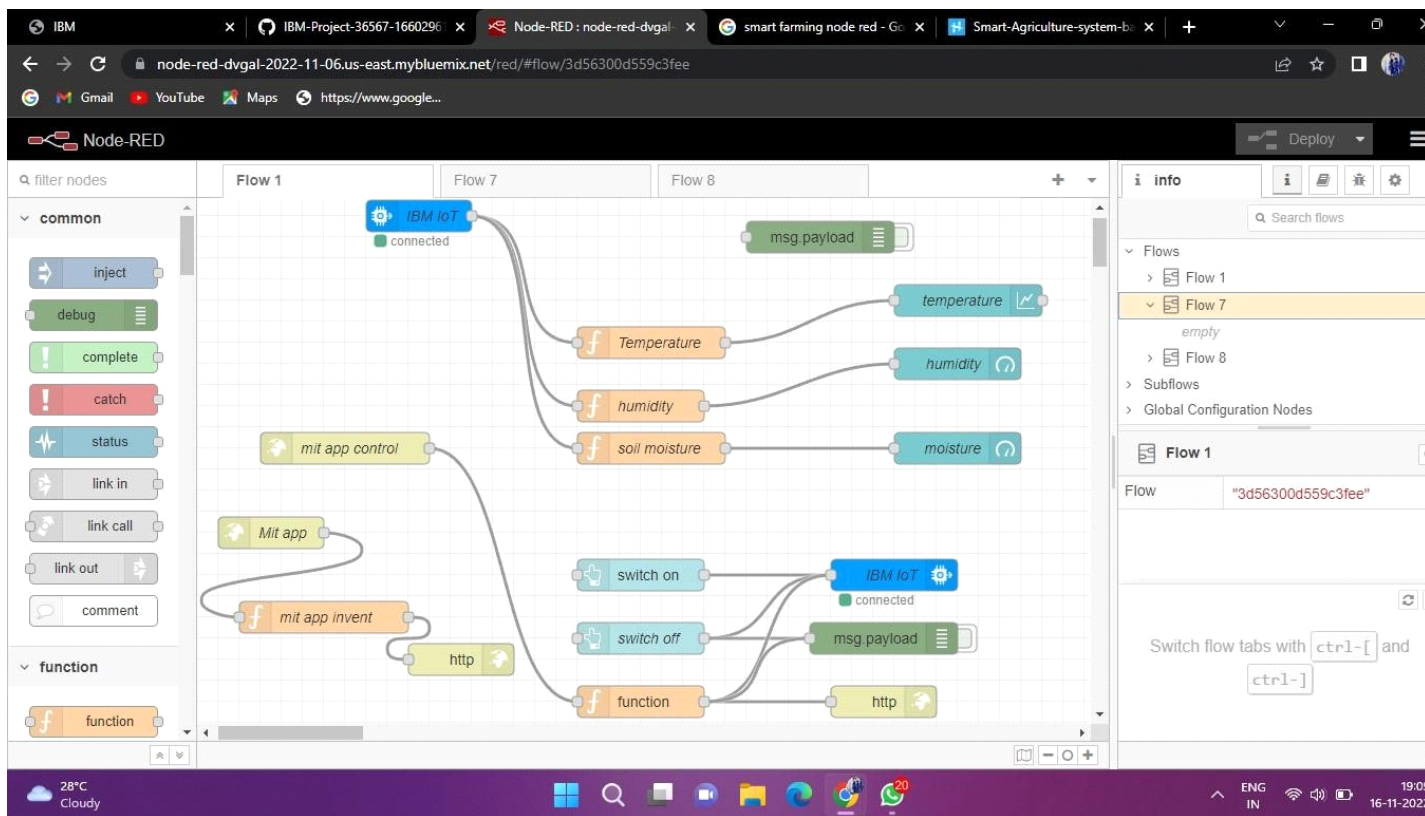
**SMART FARMER – IOT ENABLEDD SMART FARMING**  
**APPLICATION**  
**PROJECT DEVELOPMENT – DELIVERY OF**  
**SPRINT – 4**

<b>DATE</b>	19 NOVEMBER 2022
<b>TITLE</b>	SMART FARMER – IOT ENABLED SMART FARMING APPLICATION
<b>TEAM ID</b>	PNT2022TMID11130
<b>TEAM LEADER NAME</b>	Yogehswaran A
<b>TEAM MEMBER NAME</b>	Vijay G Ajeeth A Vasanthakumar V

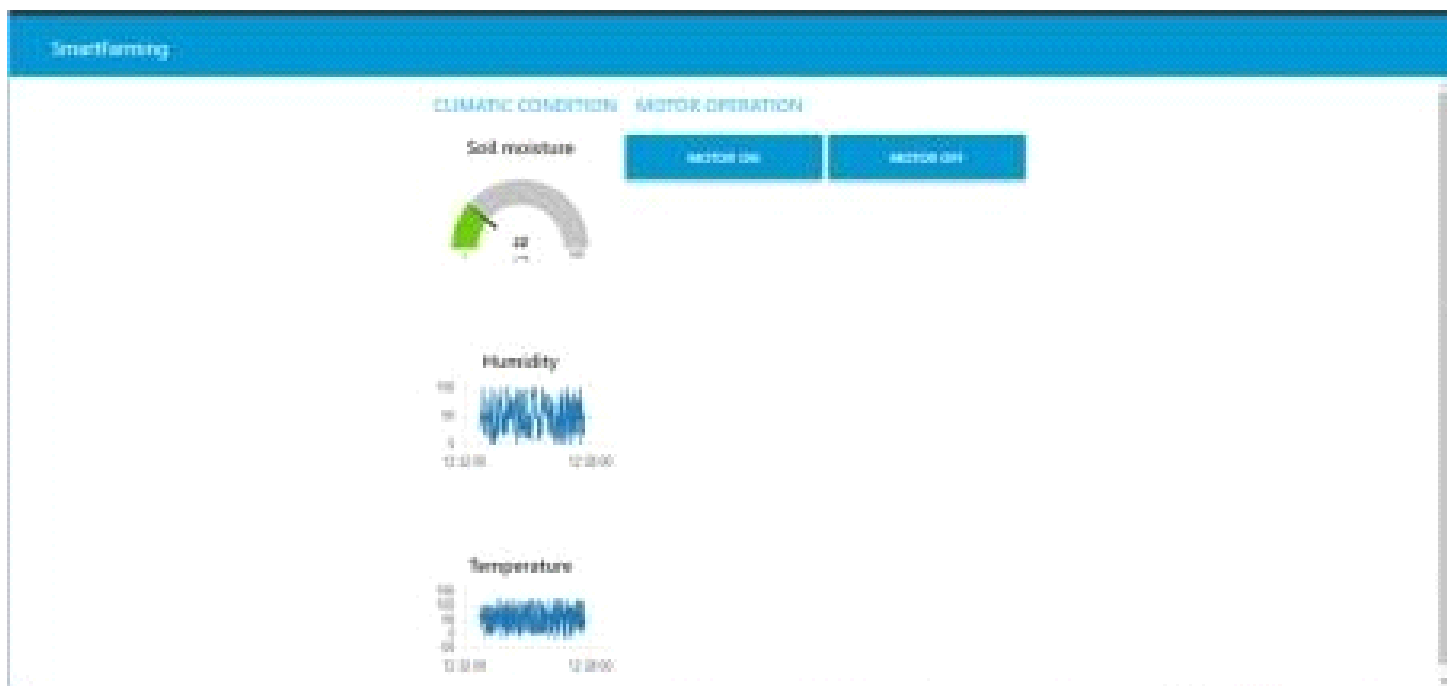
**STEP 1:**

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

**NODE-RED**



**OUTPUT :**



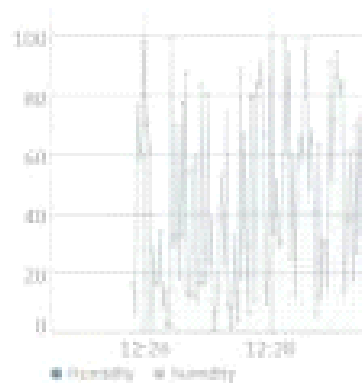
## STEP 2:

### IBM WATSON DEVICE PLATFORM

The screenshot displays the IBM Cloud Watson Knowledge Catalog interface. 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 IBM Cloud navigation bar includes a search bar, '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 left sidebar contains '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 grid of blue cubes representing 'IBM Cloud Pak for Data Unifying platform', which sits on a base of blue cubes representing 'IBM Cloud Based cloud infrastructure'. 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. A 'Helpful links' section is visible at the bottom of the main content area. The Windows taskbar at the bottom shows the date and time as 20:31 on 16-11-2022, along with system icons for temperature (27°C Cloudy), language (ENG IN), and network.

## OUTPUT SCREENSHOT:

Line chart



Gauge



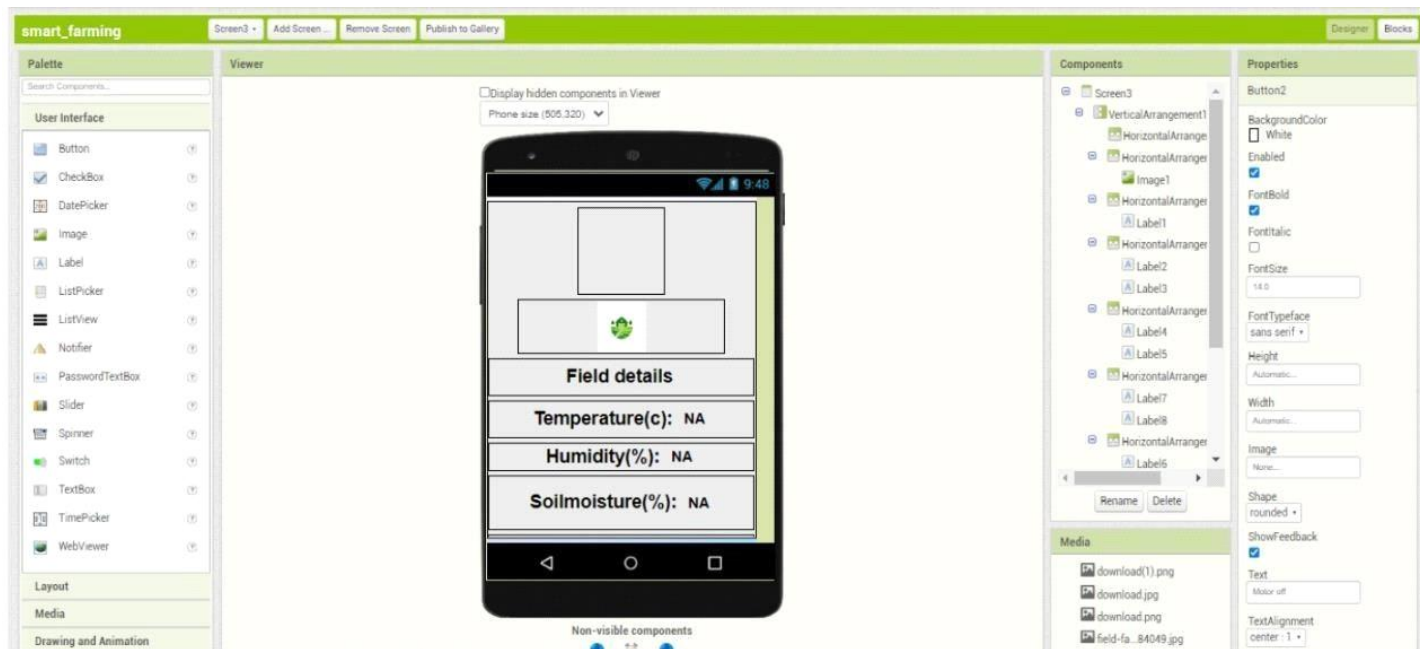
Donut chart



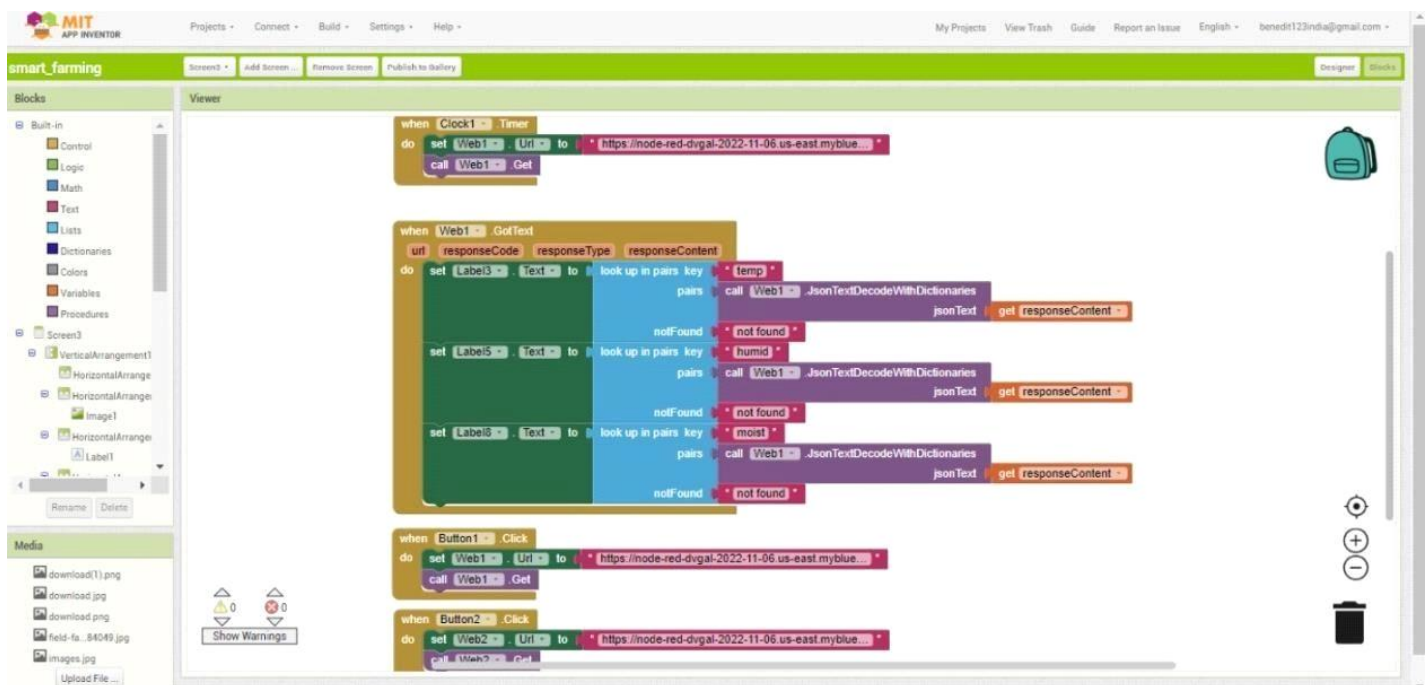
**STEP 3:**

**PYTHON SCRIPT**





## BLOCKS:



## MOBILE SCREEN:

