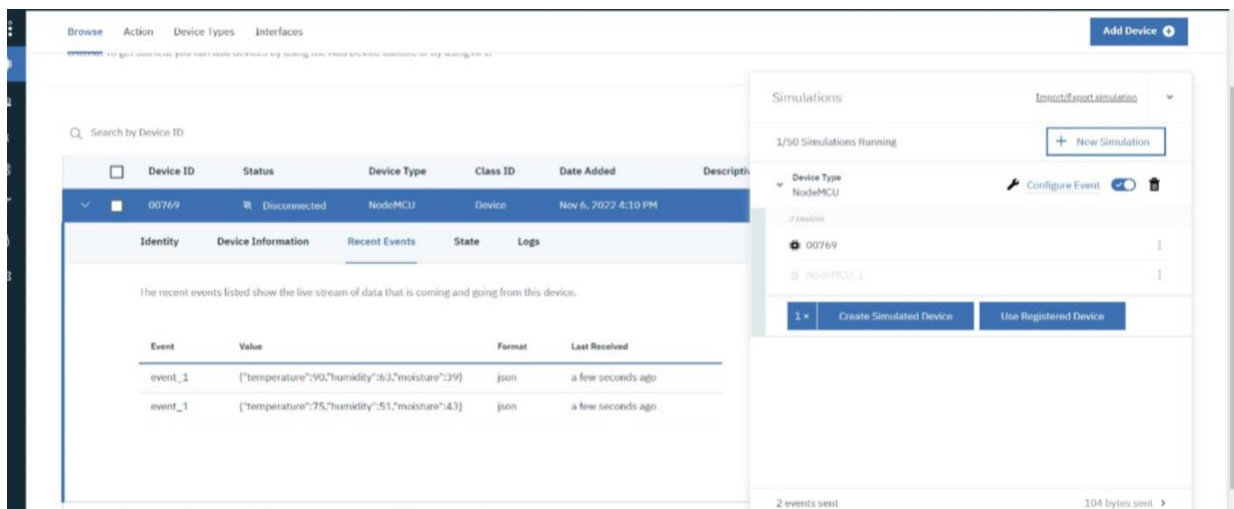
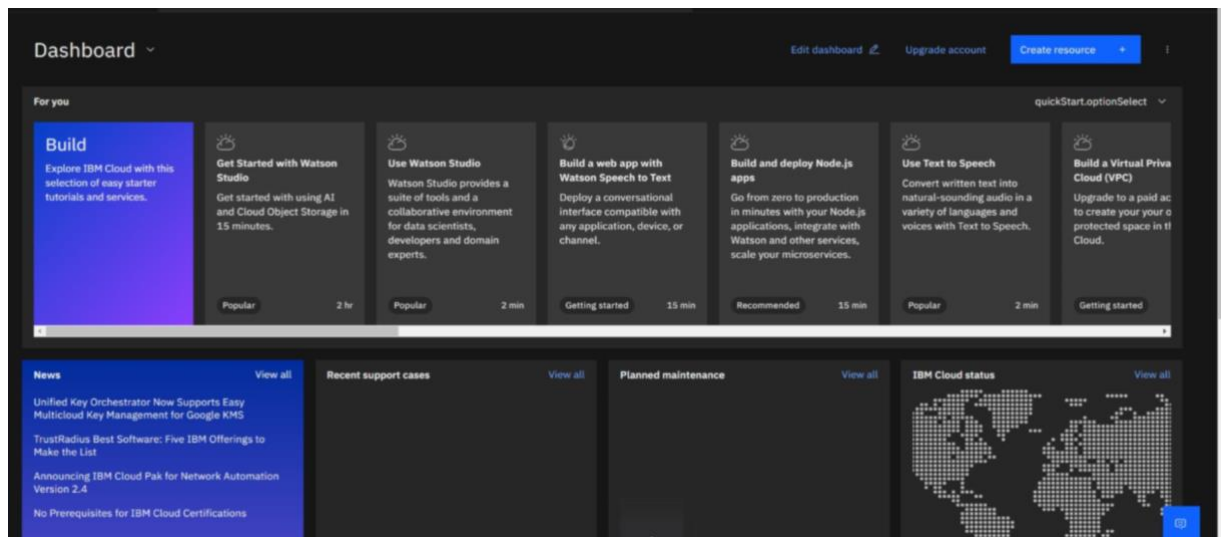


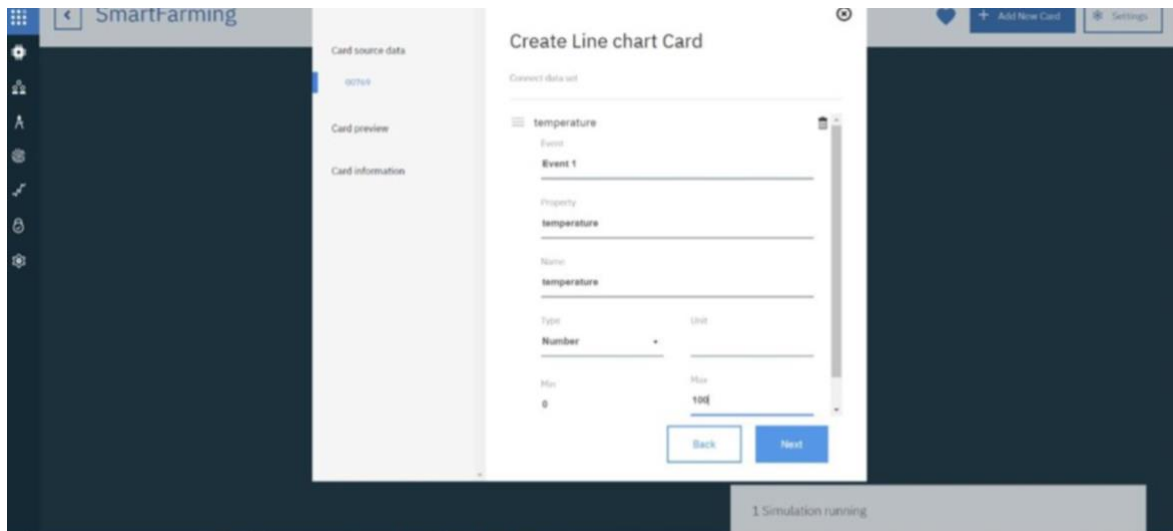
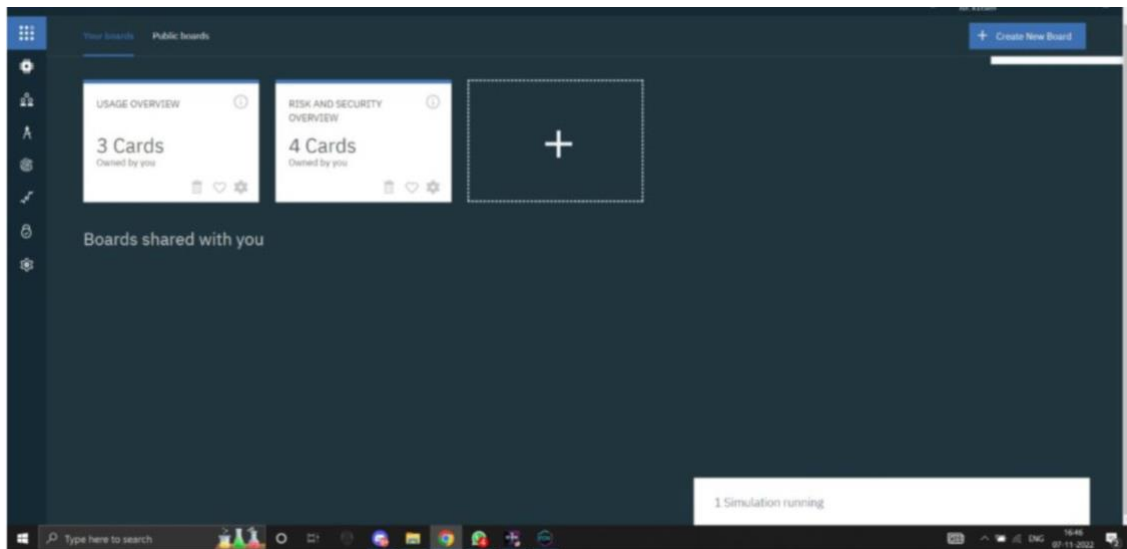
## Sprint-2

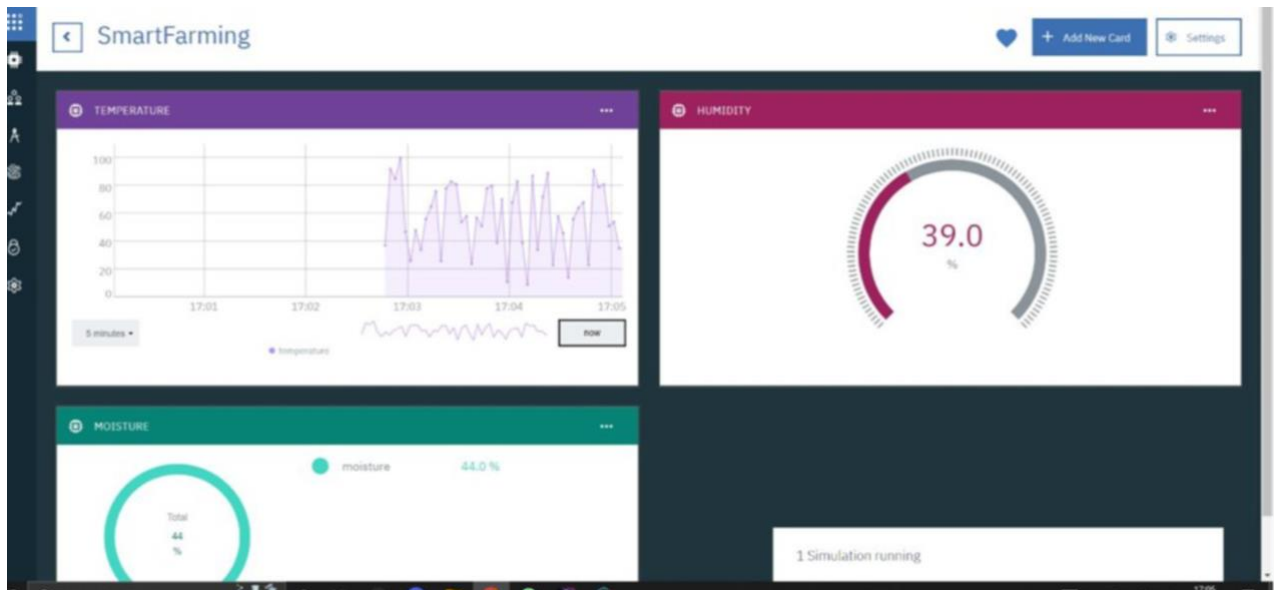
### Software – IoT Watson Platform and Node Red

|              |   |
|--------------|---|
| Date         | 02 November 2022                                    |
| Team ID      | PNT2022TMID20124                                    |
| Project Name | SmartFarming- IoT Enabled smart Farming Application |

#### IBMIoTWatsonPlatform:



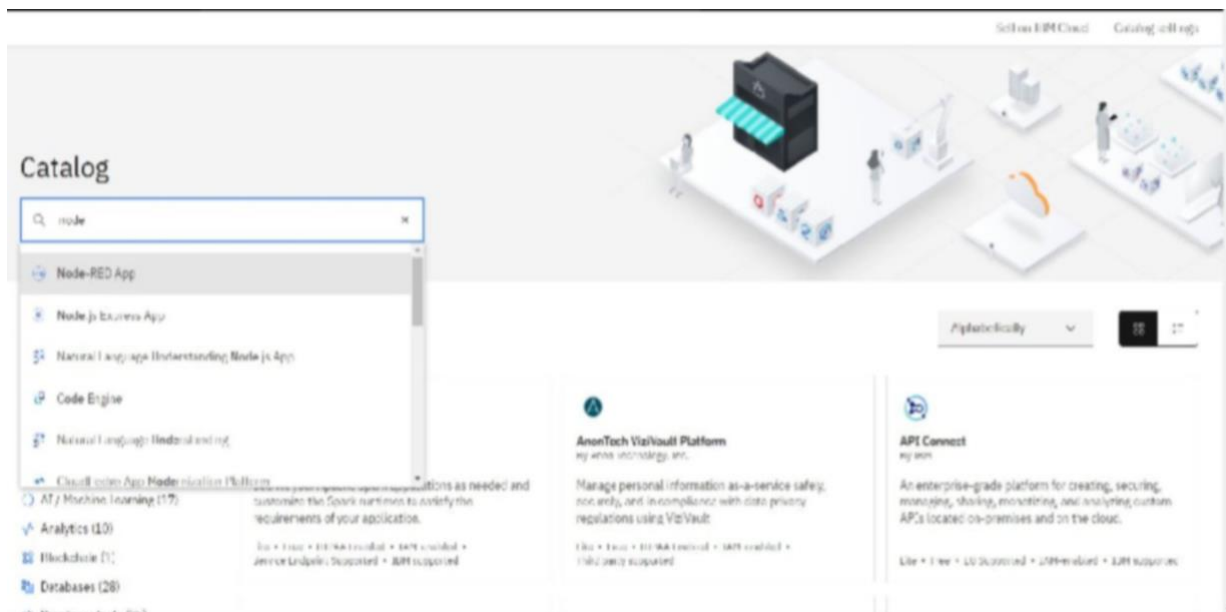




## Explanation :

- ❑ To create device, in the home page of IBM cloud click on the catalog on the top and click on IoT platform
- ❑ Click on launch button, then the IBM Watson platform will be displayed and Click on create device to create.
- ❑ After activating device simulator and check whether the code is running .
- ❑ Go to board and create a new board by filling the details.
- ❑ Fill the detail to get temperature graph, select the color from the option and repeat the same process to get the humidity graph, we get the final graph.
- ❑ Finally an IBM Watson cloud for IoT and a device is created successfully.

## Node Red Web Application :



## Welcome to your new Node-RED instance on IBM Cloud

We know you're eager to start wiring up your flows, but first there are a couple of tasks you should do:

- [Secure your Node-RED editor](#)
- [Learn how to install additional nodes](#)

# 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](https://nodered.org).

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

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

## Customising your instance of Node-RED

This instance of Node-RED is enough to get you started creating flows.

You may want to customise it for your needs, for example replacing this introduction page with your own, adding http authentication to the flow

The screenshot displays the Node-RED web interface. On the left, a sidebar lists various nodes under 'common' and 'function' categories. The main workspace, titled 'Flow 1', shows a flow with two nodes: 'Hello Node-RED' and 'msg.payload', connected by a wire. On the right, an 'Info' panel shows the flow's details, including its name 'Flow 1' and a unique ID '4b05a6284beb4c15'. A tooltip is visible at the bottom right, indicating that clicking and dragging on a node port can move attached wires or the selected node.

## **Explanation :**

- ☐ Search for Node Red in the catalog search box and click on get start button.
- ☐ Do the required process and finish the installation steps.
- ☐ After the installation we can able to access the Node Red service.
- ☐ Then we can able to use nodes and connect then with other node .
- ☐ We can able to Run the node red by pressing on Deploy.