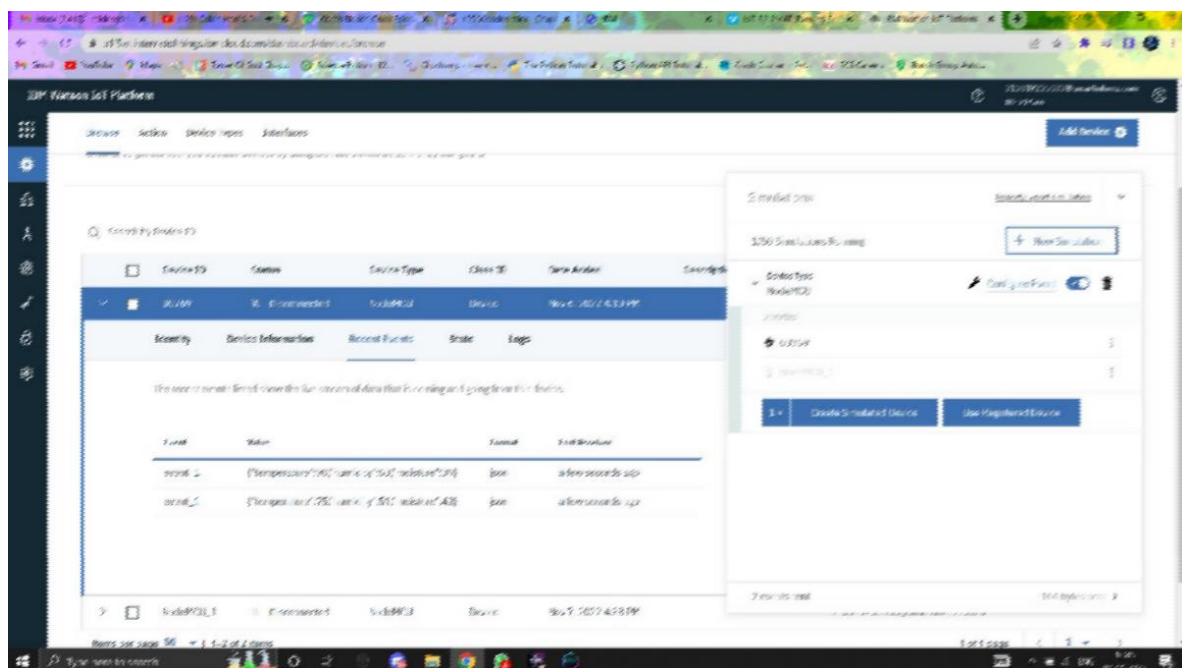
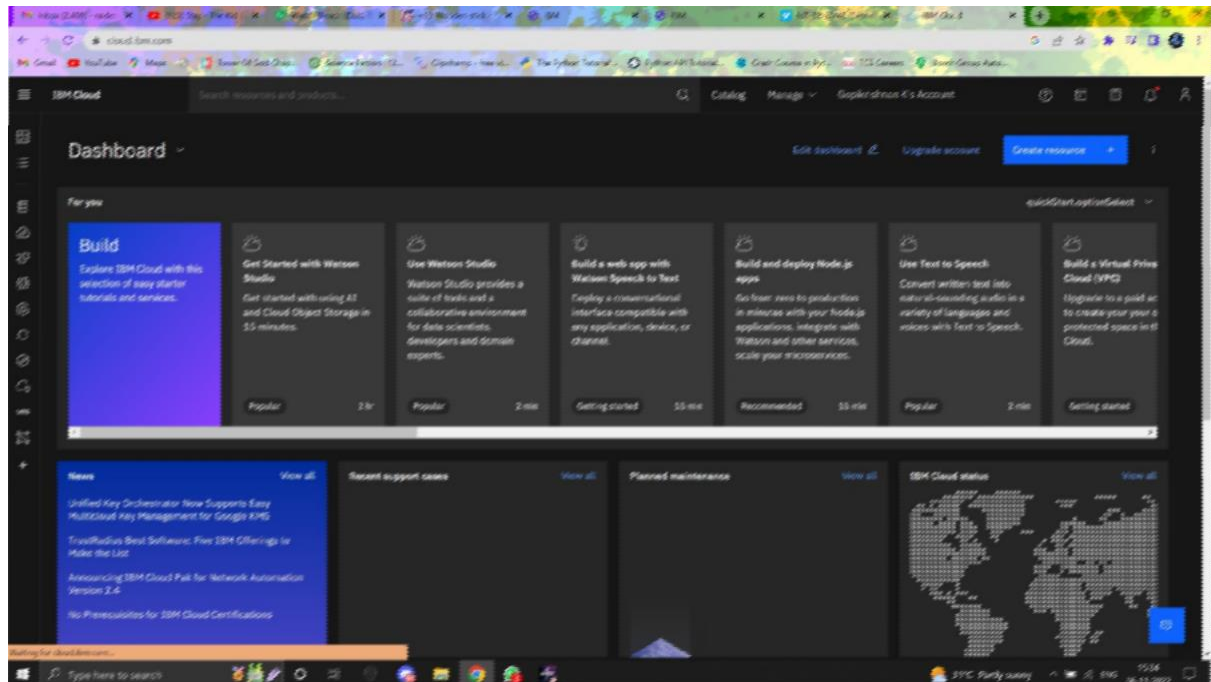


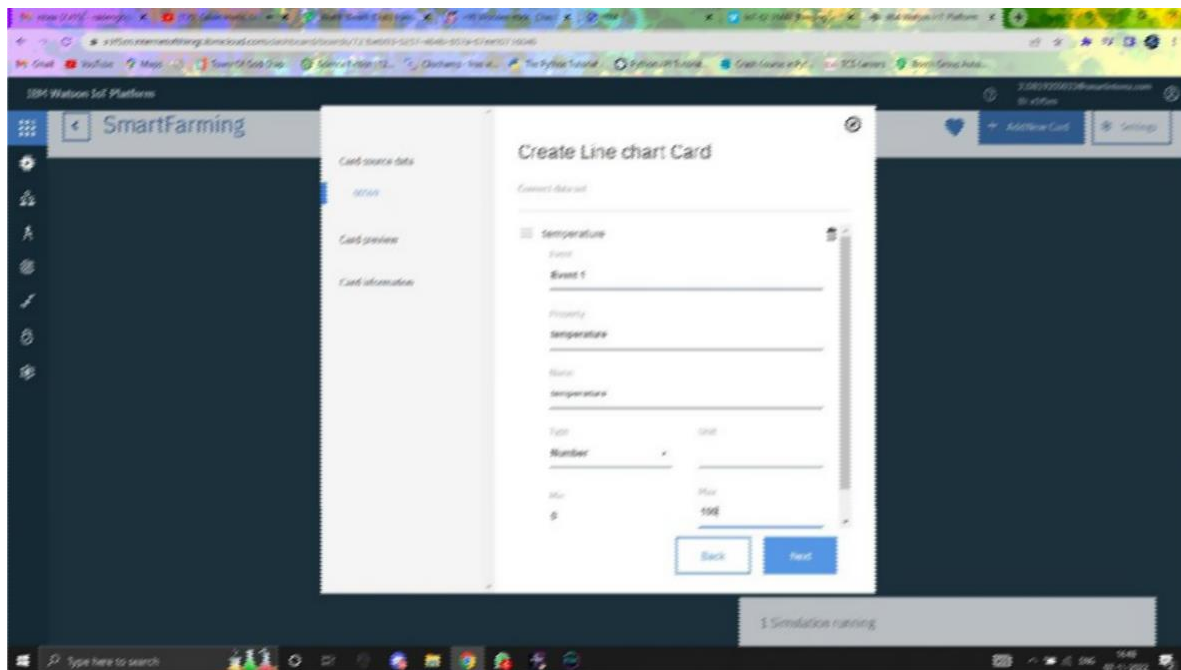
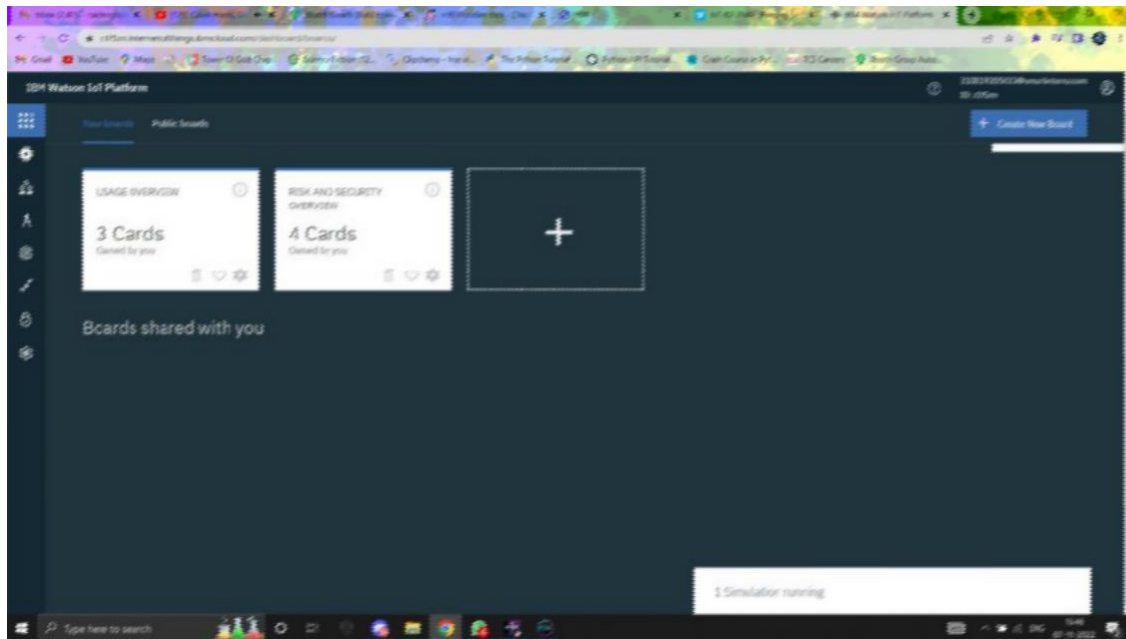
## Sprint-2

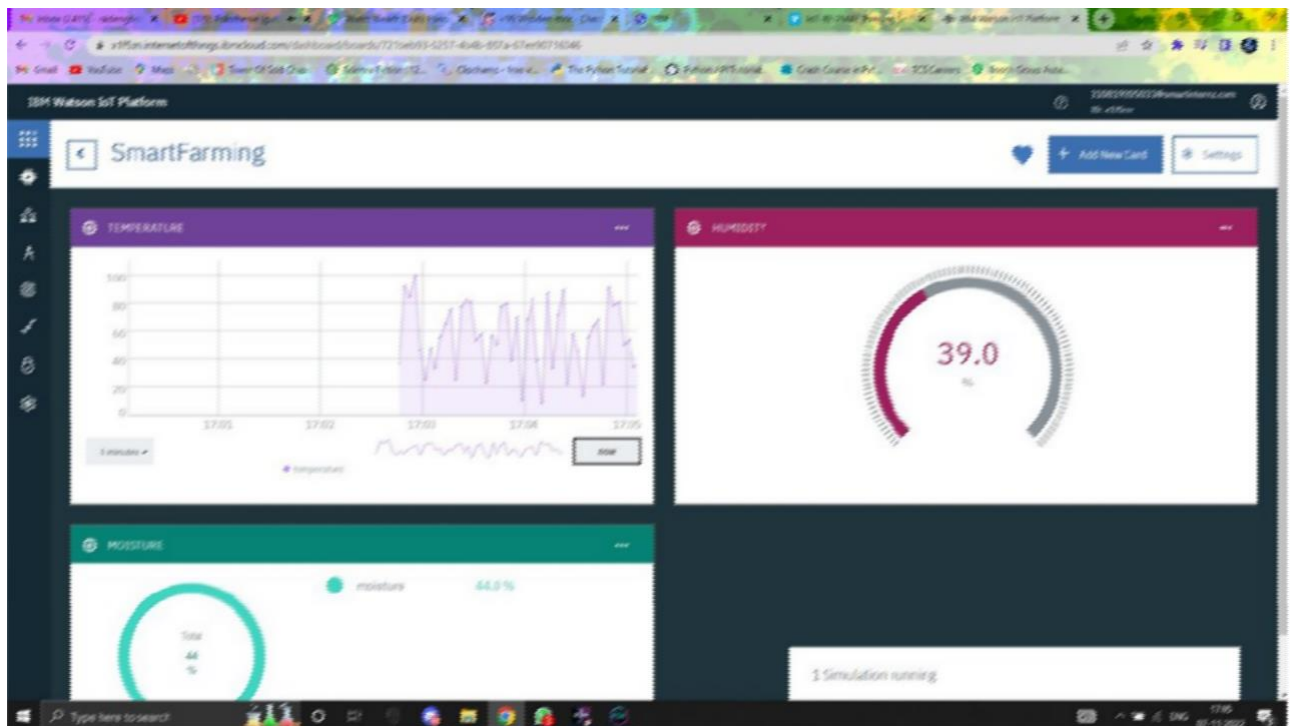
### Software – IoT Watson Platform and Node Red

Date	02 November 2022
Team ID	PNT2022TMID54368
Project Name	SmartFarming- IoT Enabled smart Farming Application

### IBM IoT Watson Platform :



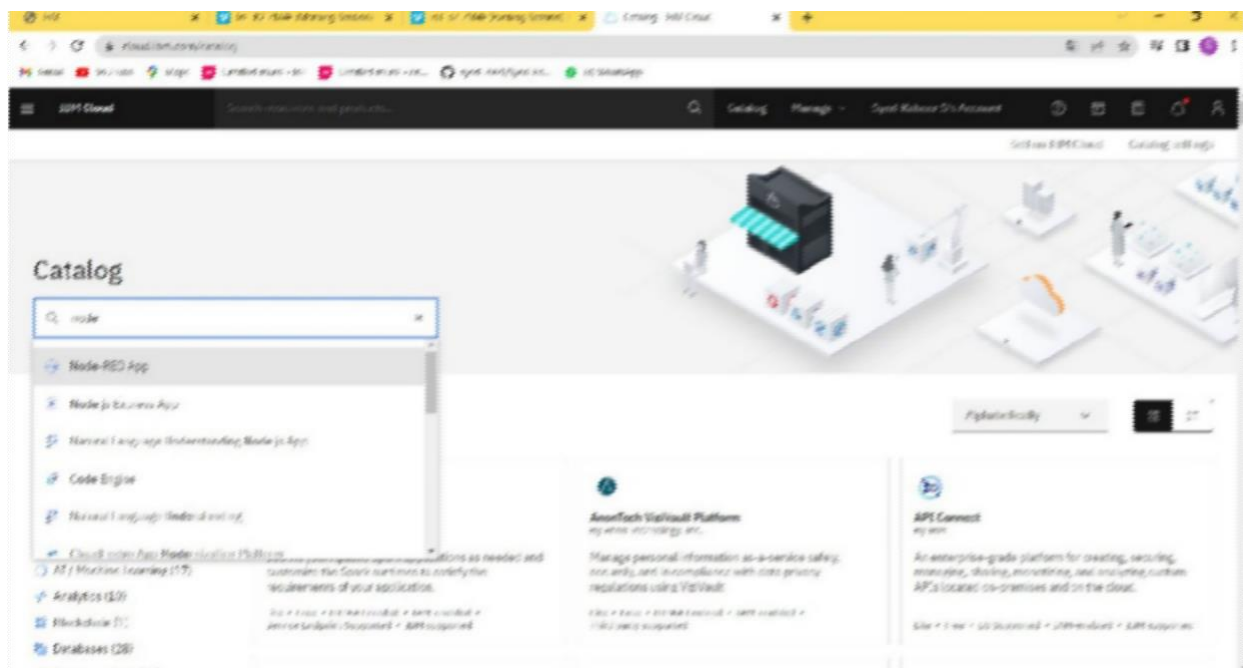




## Explanation :

- ❑ 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 :



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 editor or setting more modules for this instance.

Node-RED

Flow 1

Info

Flow 1

Flow: "8C5x0294b4c15"

Click and drag on a node port to move all of the attached wires or just the selected one

## **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.