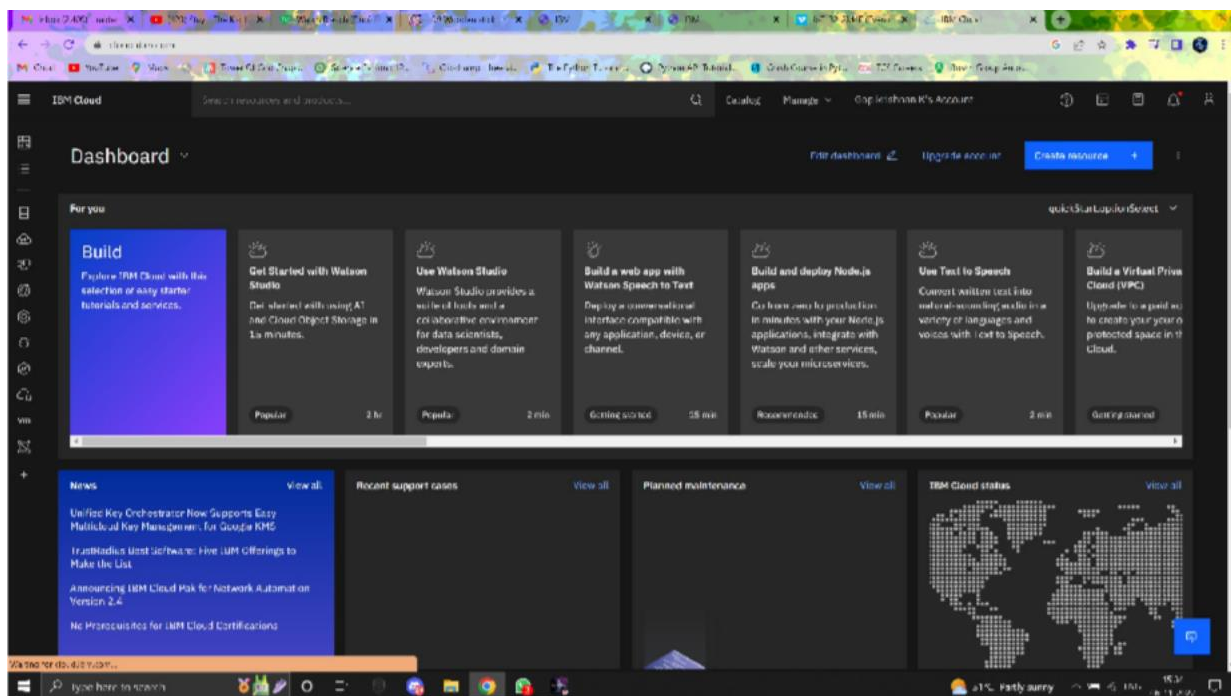


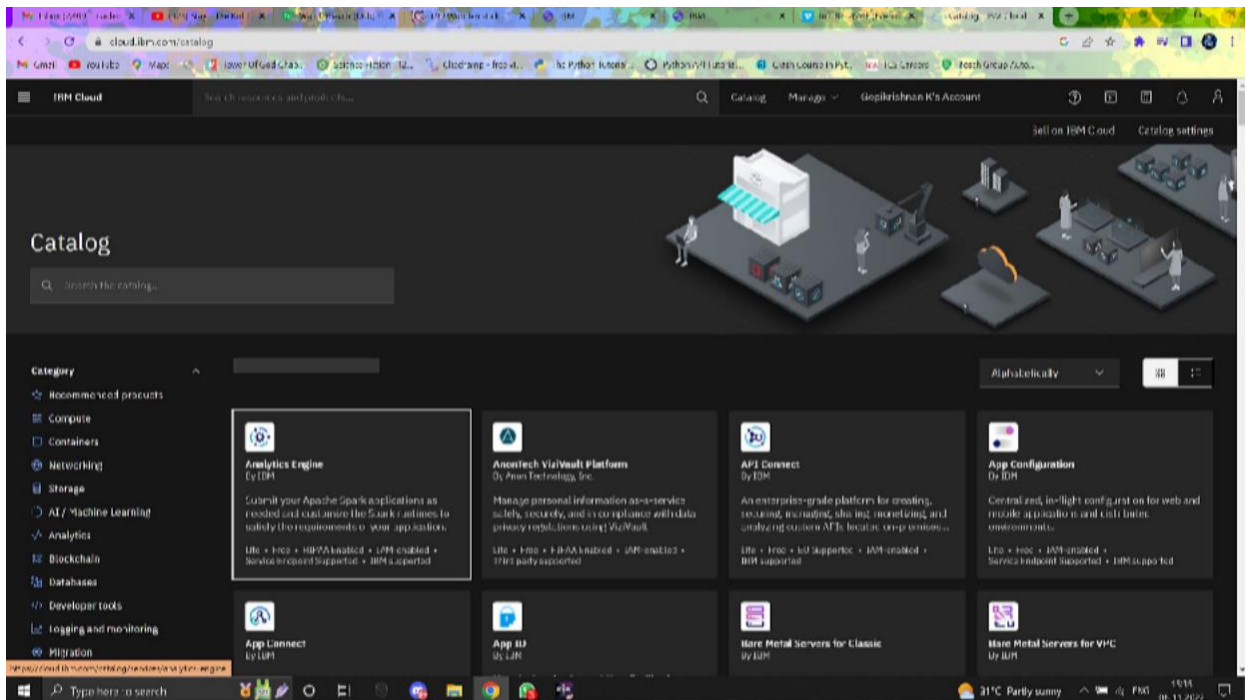
Create IBM Watson IoT Platform

Team ID	PNT2022TMID47823
Project Name	Smart Farmer - IoT Enabled Smart Farming Application

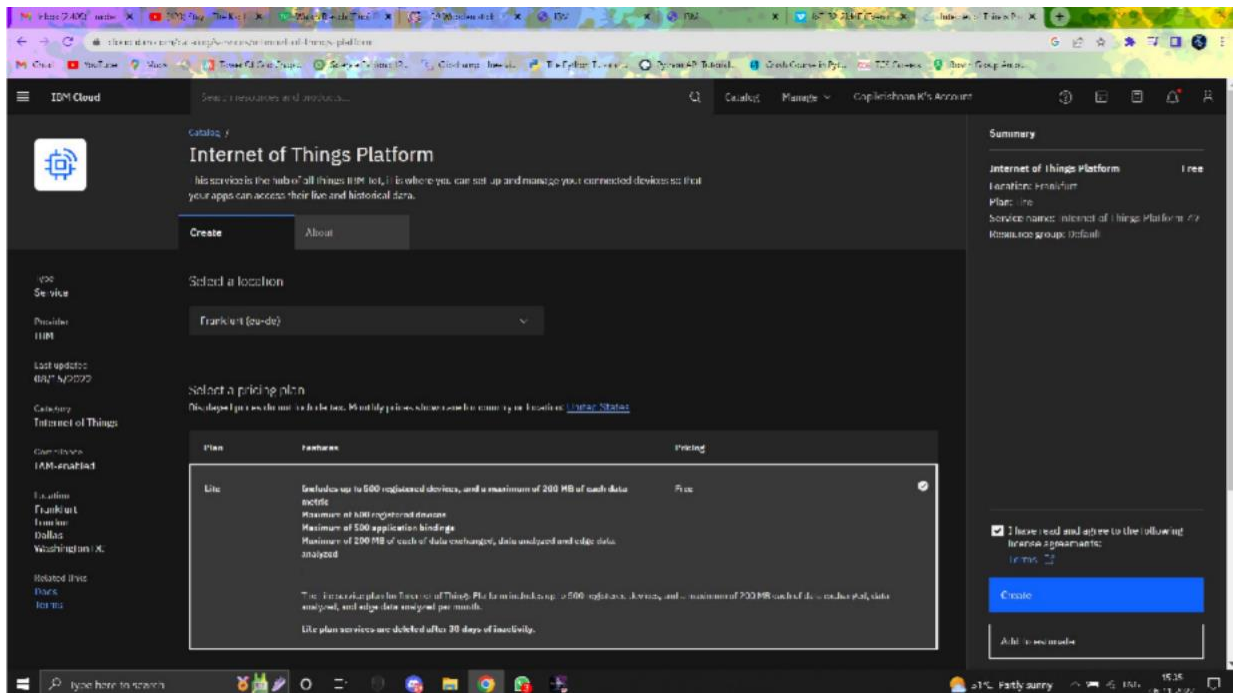
Step 1: Home page of IBM cloud.



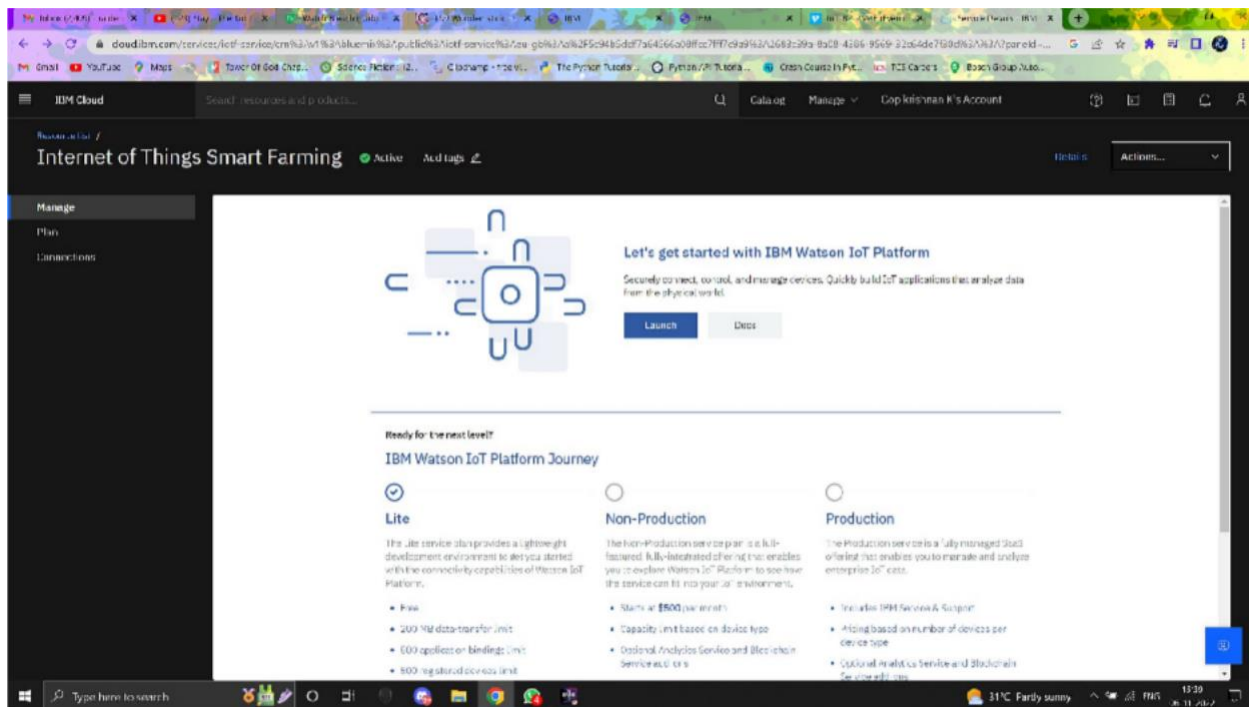
Step 2: Click on the catalog on the top.



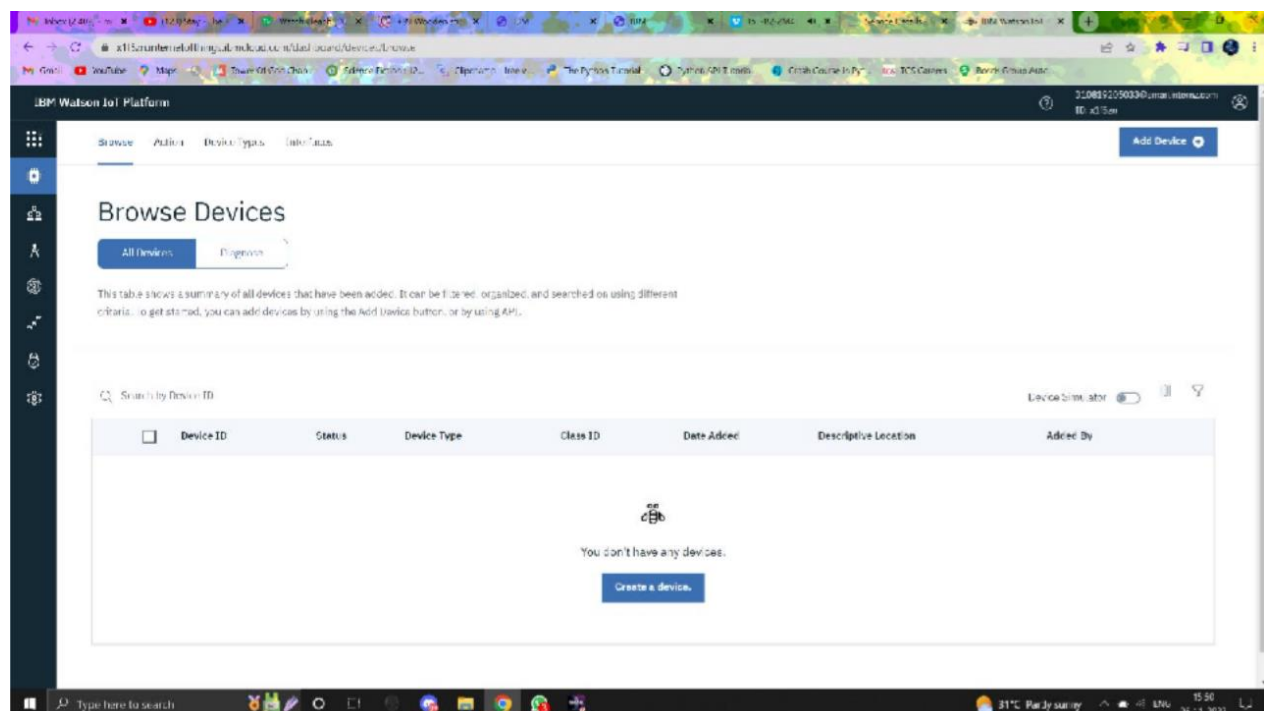
Step 3: Click on Internet of Things Platform.



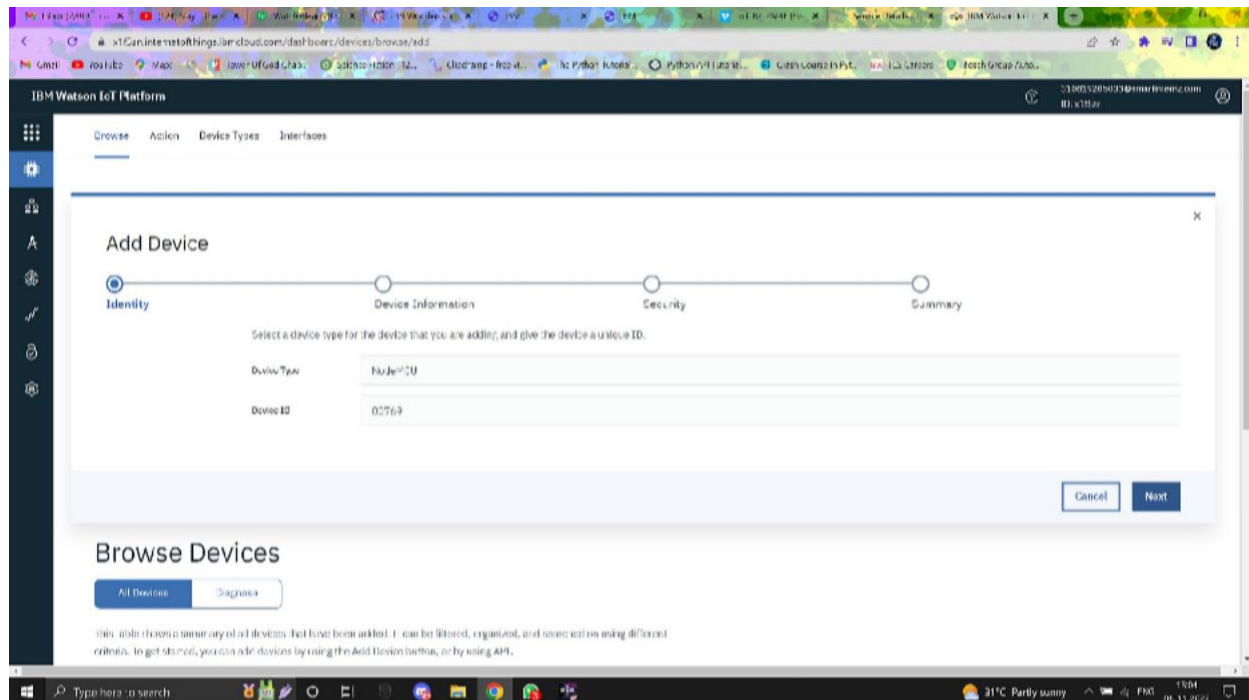
Step 4: Click on the launch button.



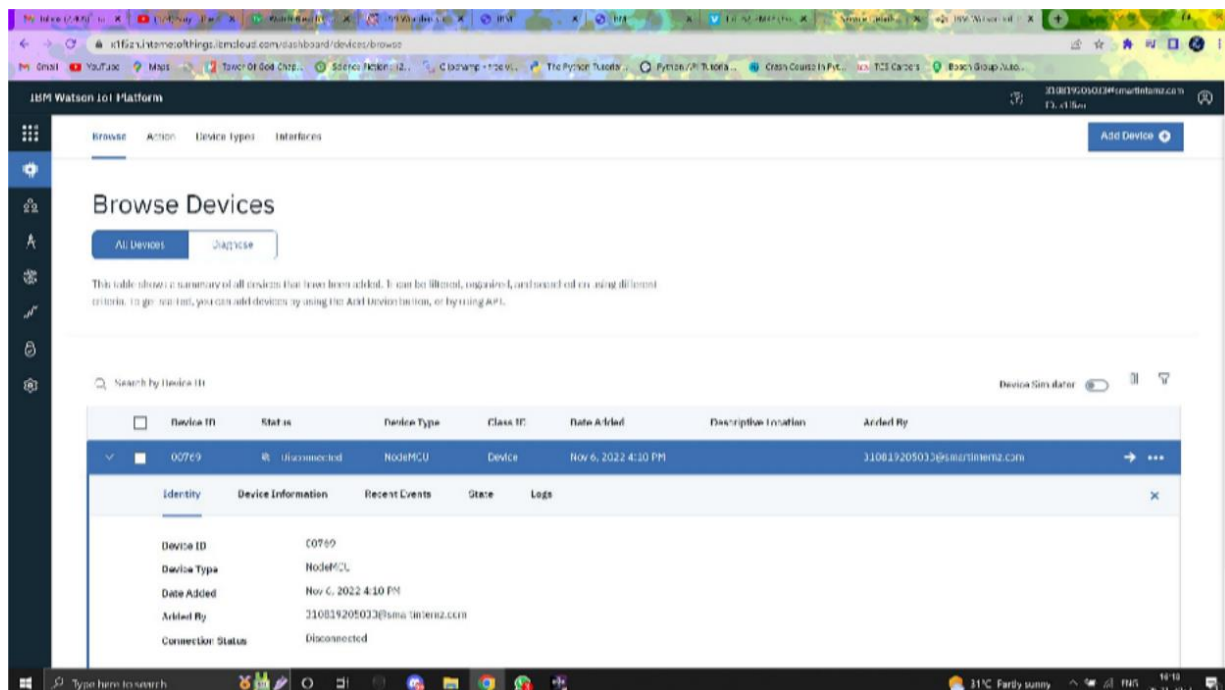
Step 5: This is the IBM Watson platform.



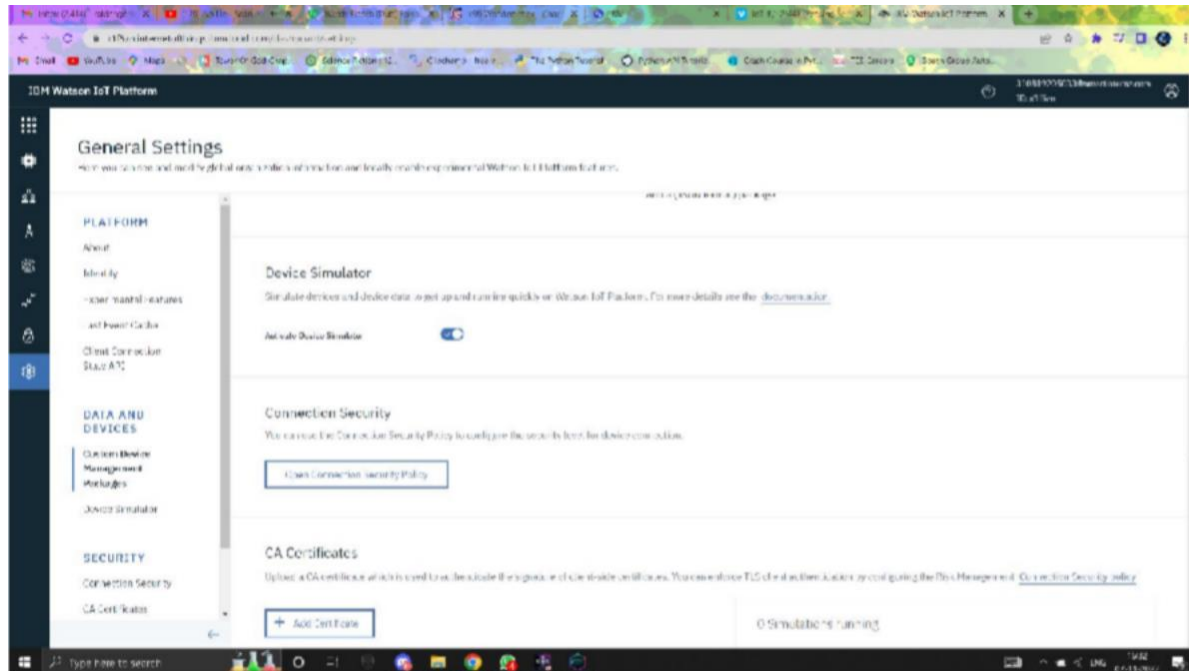
Step 6: Click on Device Type.



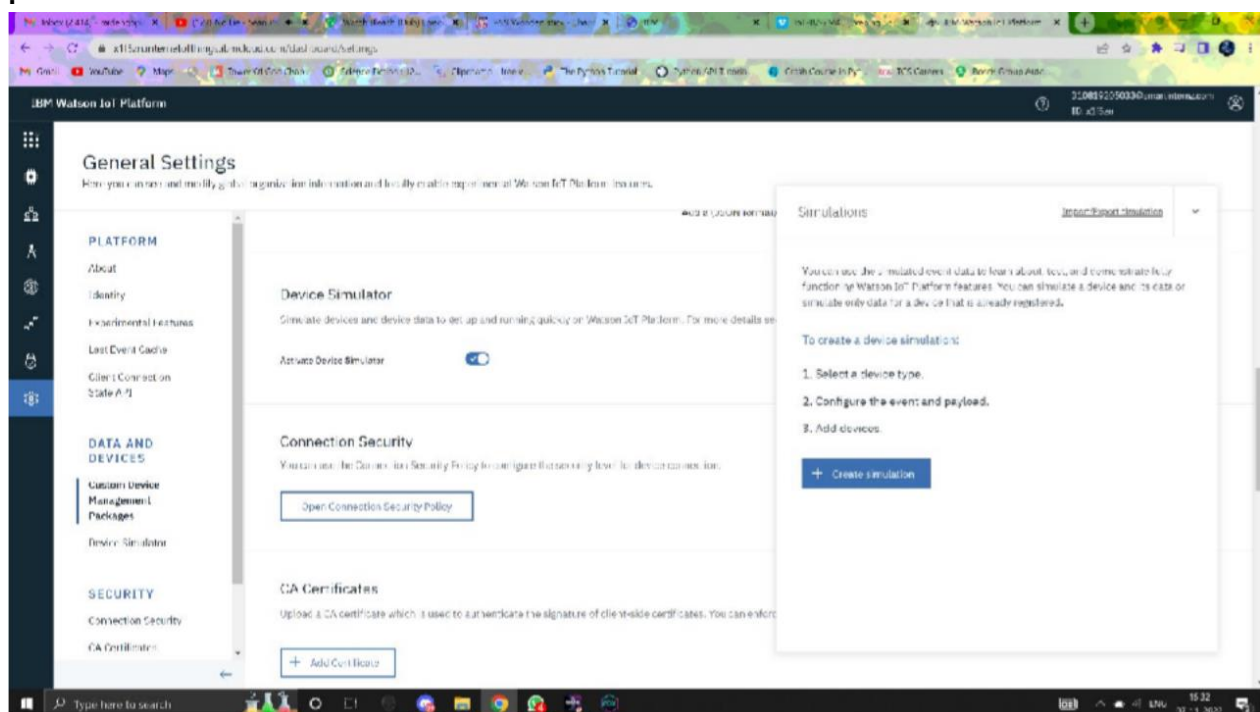
Step 7: After creating the device, Copy the Device Credentials.



Step 8: Then click on Device Simulator and Activate Device Simulator.



Step 9: Click on the pop-up screen on the right side



Step 10: Click on Use Registered Device and choose the device and run it.

The screenshot shows the IBM Watson IoT Platform interface. On the left, a sidebar contains navigation icons. The main area has a top navigation bar with 'Browse', 'Action', 'Device types', and 'Interfaces'. Below this is a search bar 'Search by Device ID'. A table lists devices with columns: Device ID, Status, Device Type, Class ID, Date Added, and Description. The first device is '00769', status 'Disconnected', type 'NodeMCU', class 'Device', added 'Nov 6, 2022 4:10 PM'. Below the table, there are tabs for 'Identity', 'Device Information', 'Recent Events', 'State', and 'Logs'. The 'Recent Events' tab is active, showing a table of events with columns: Event, Value, Format, and Last Received. Two events are listed, both with values like '["temperature": 25, "humidity": 51, "motion": false]' and format 'json'. On the right, a 'Simulations' panel is open, showing '2/20 Simulations running' and a 'New Simulation' button. Below, it lists 'Device Type: NodeMCU' and '2/20 Simulations'. At the bottom of the panel are buttons for 'Create Simulated Device' and 'Use Registered Device'.

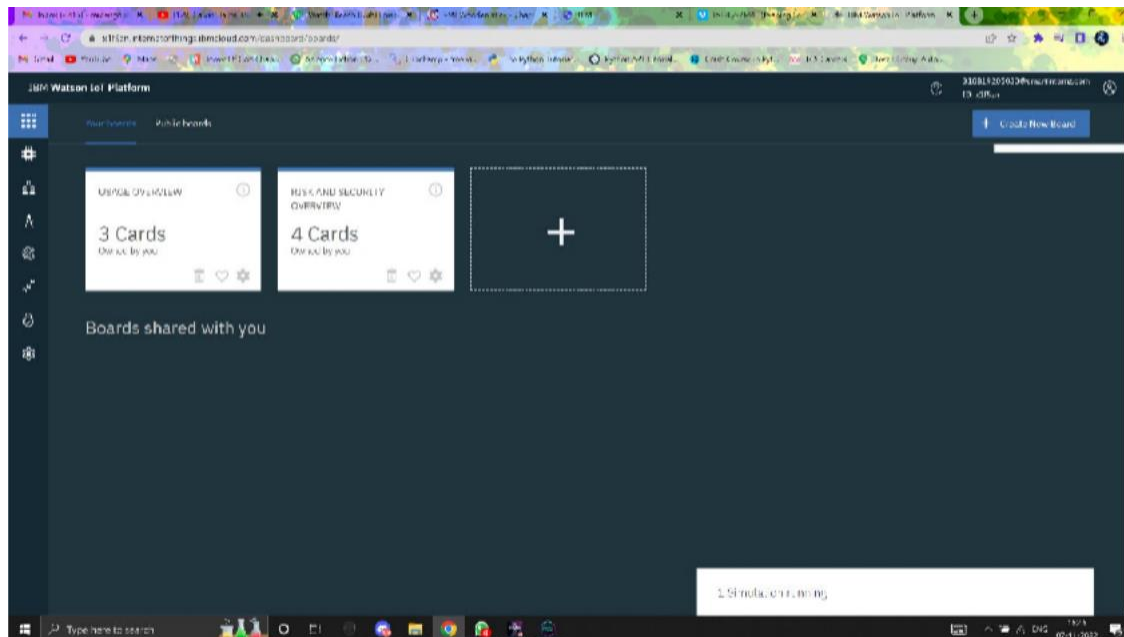
Step 11: Go to devices then click on devices and check the recent events whether the code is running or not.

The screenshot shows the IBM Watson IoT Platform interface, similar to the previous one. The 'Recent Events' tab is active. On the right, the 'Events' panel is open for device '00769'. It shows 'Event type name: event_1' and 'Frequency: 20 x Every 10.10 sec'. Below this is a 'Payload' section with a JSON object:

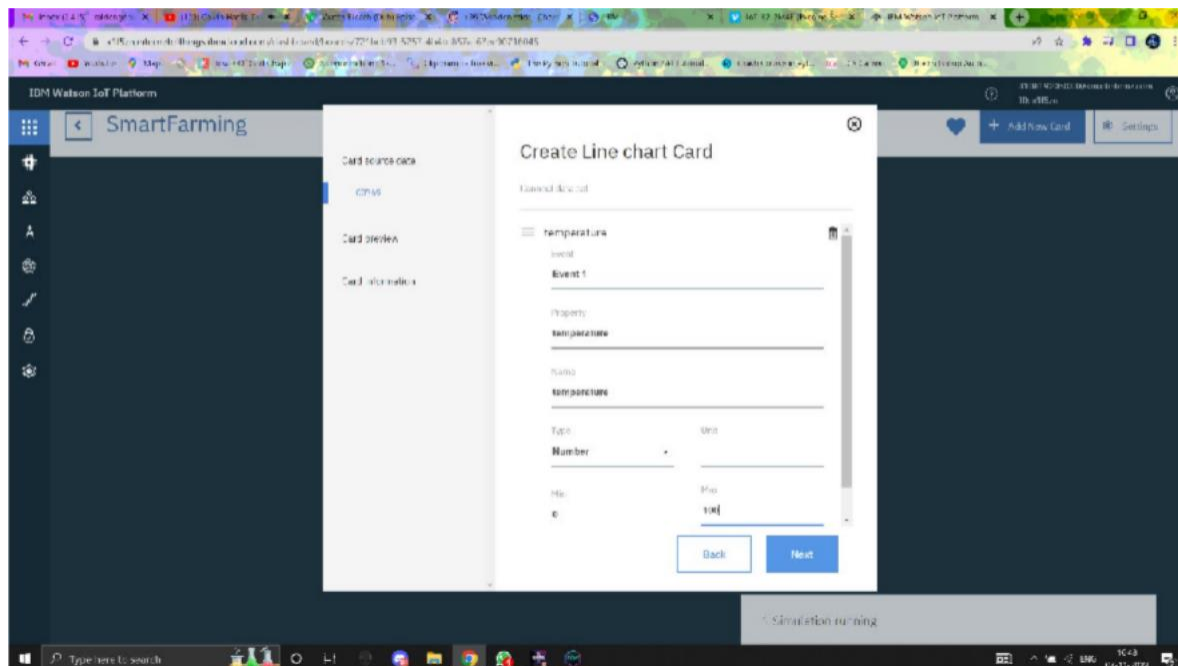
```
{ 1: { 1: "temperature": random(0, 100), 2: "humidity": random(0, 100), 3: "motion": random(0, 100) } }
```

. At the bottom of the panel are 'Cancel' and 'Save' buttons.

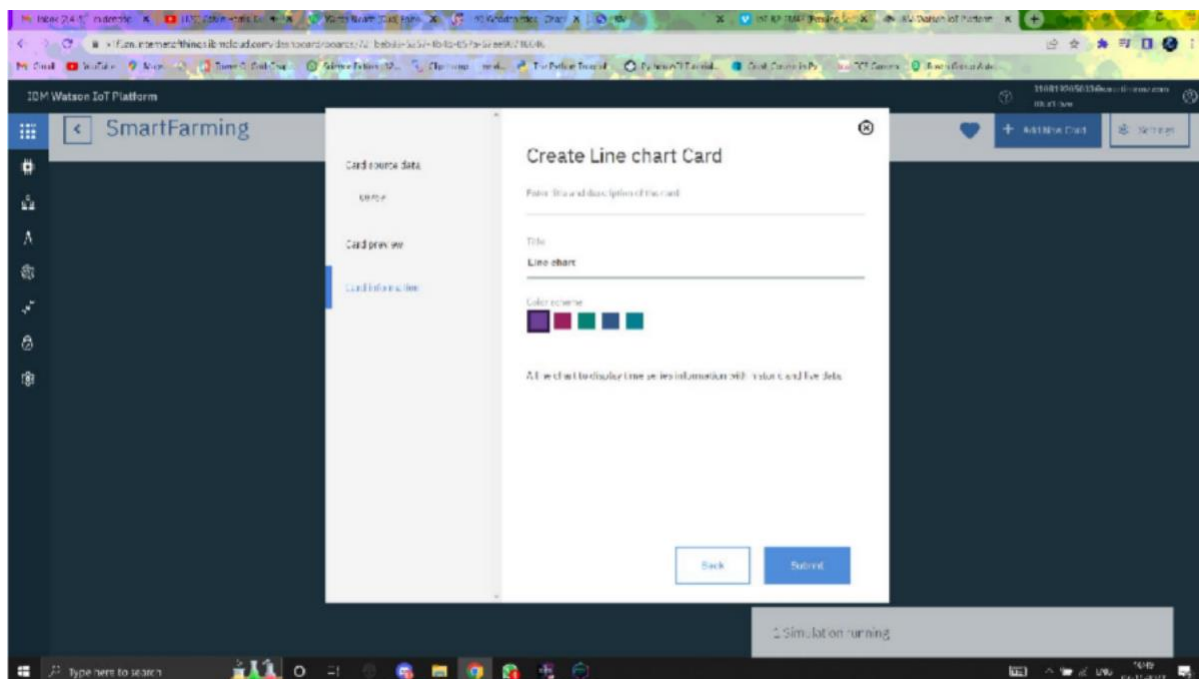
Step 12: Go to Board and click on + Create New Board, fill the details and create a board.



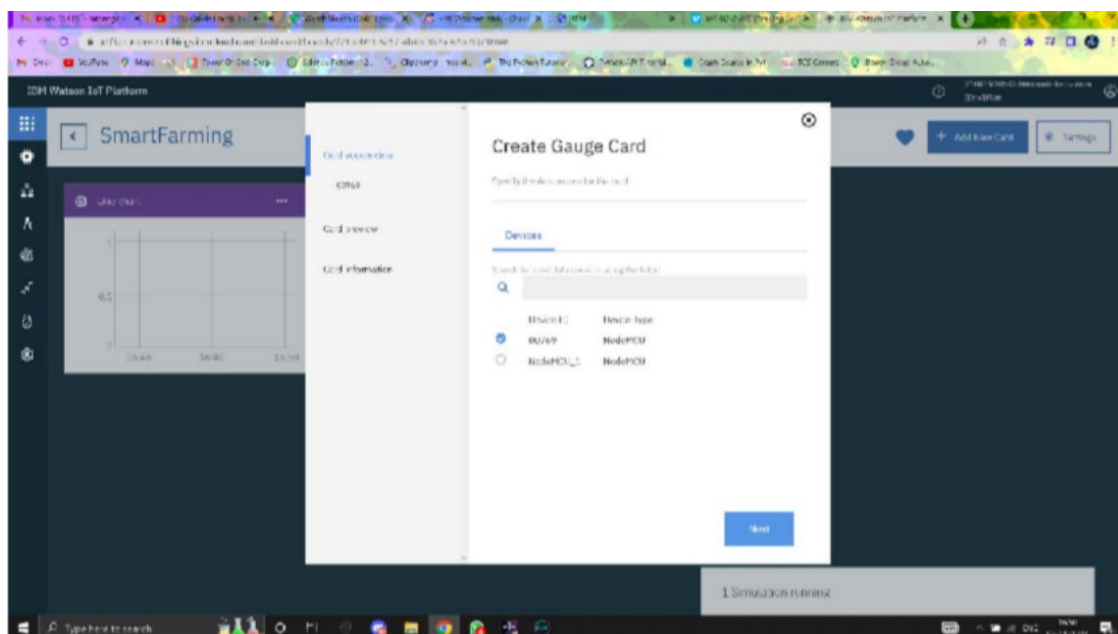
Step 13: Fill the details to get Temperature graph.



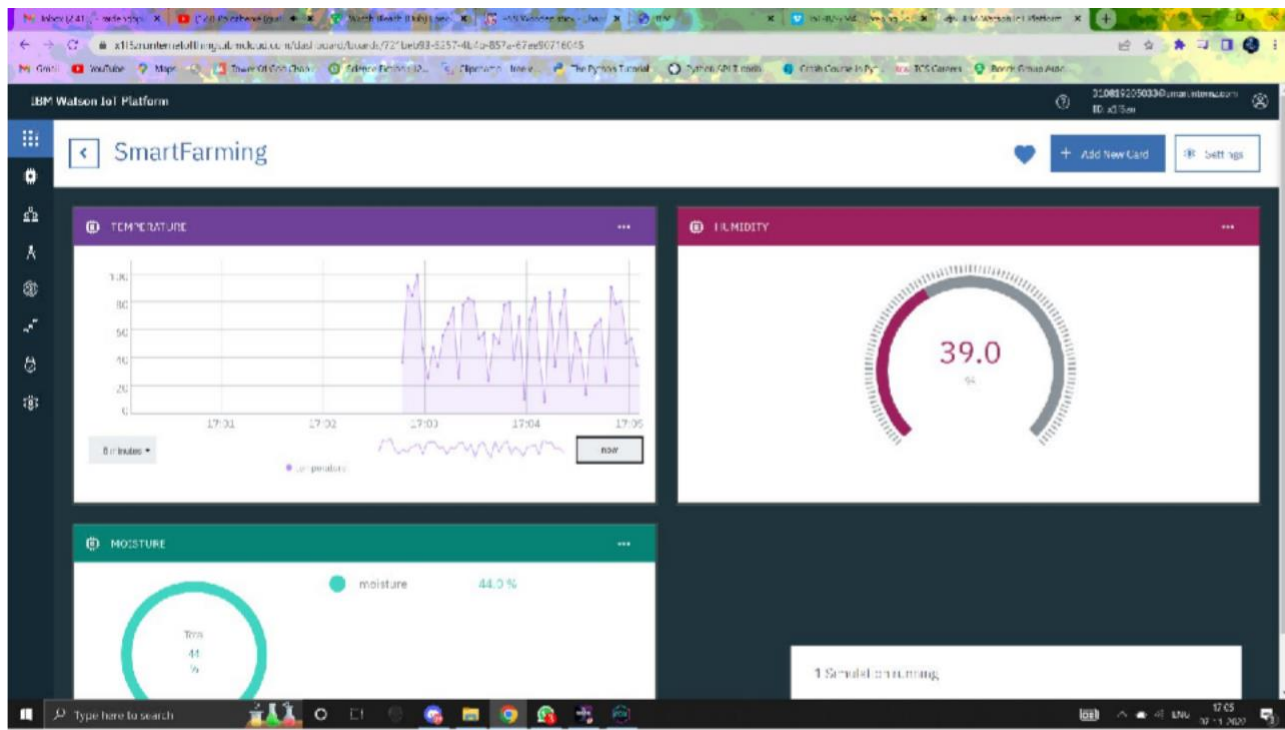
Step 14: Select the Color from the given option.



Step 15: Repeat the same process again to get the Humidity graph and M



Step 16: Here is the Final graph.



Result:

An IBM Watson cloud for IoT and a device is created successfully