Create The IBM Watson IOT Platform And A Device

Date	**05 November 2022**
Project Name	**Smart Farmer - IoT Enabled Smart Farming Application**
Team Id	**PNT2022TMID27433**

PROCEDURE FOR IBM CLOUD PLATFROM:

IBM Watson IoT Platform is a managed, cloud-hosted service designed to make it simple to derive value from your Internet of Things devices. ST Microelectronics is an IBM Partner and provides development platforms allowing users to develop applications with direct connection to the IBM Watson IoT platform.

1. In Watson IoT Platform, go to the Devices menu and click the Device Types tab. Click Add Device Type.
2. Enter a name and description for the device type and then click Next.
3. Optionally enter more information about the device type and then click Done.
4. Click Register Devices to register devices with this device type.
5. Enter a device ID in the Device ID field and then click Next.
6. Add information about the device and then click Next.
7. In the Authentication Token field, enter the Watson IoT Platform API token and then click Next.

You can get the Watson IoT Platform API token from the Maximo® APM -Predictive Maintenance Insights SaaS welcome letter.

8. Verify the information and then click Done.

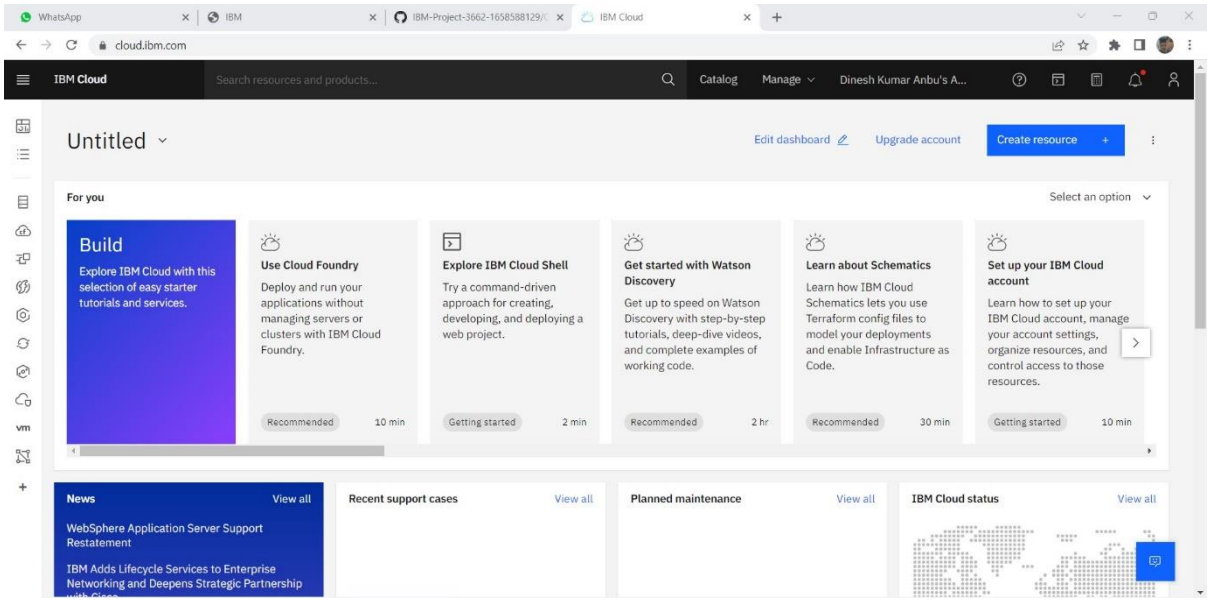

Fig 1: IBM CLOUD DASHBOARD

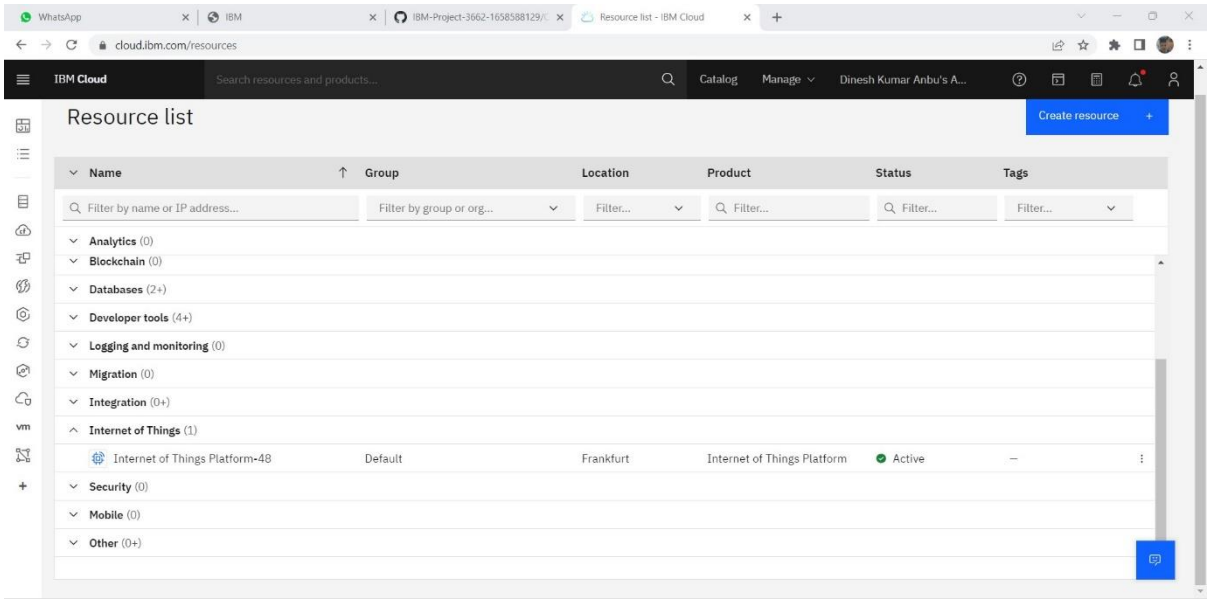

Fig 2: RESOURCE LIST TO VIEW CREATED RESOURCES ON IBM CLOUD

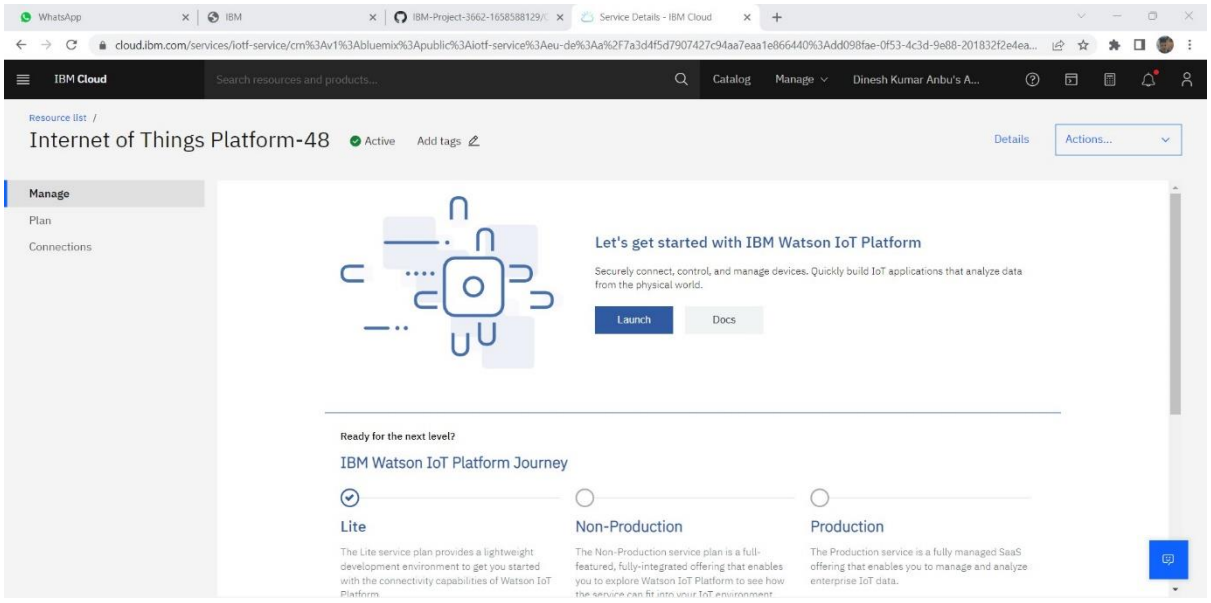

Fig 3: CLICK LAUNCH BUTTON TO ACCESS IBM WATSON IOT PALTFORM

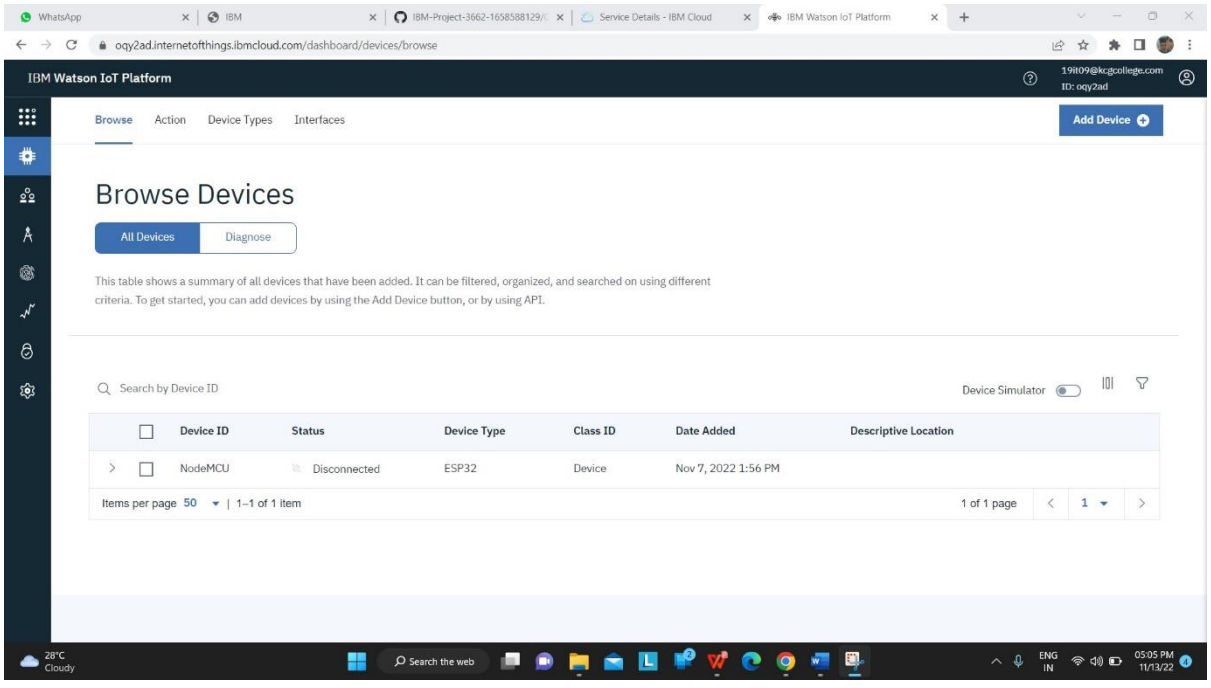

Fig 4: IBM WATSON IOT PLATFORM

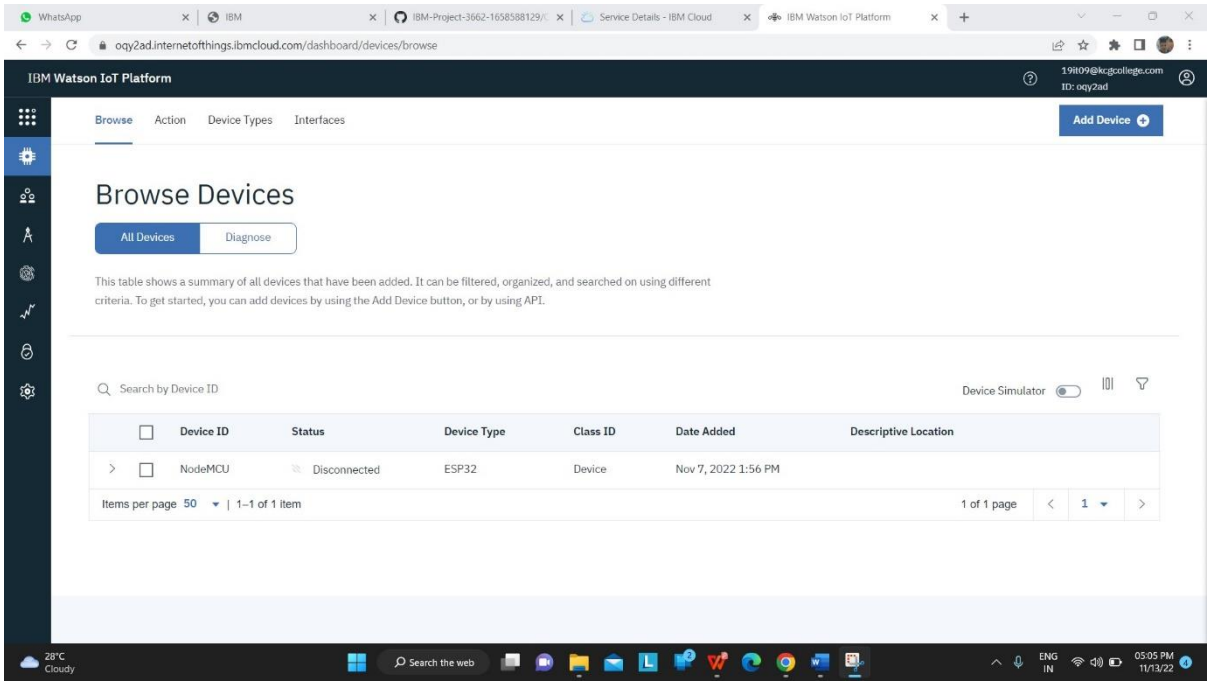

Fig 5: CLICK ADD DEVICE TO CREATE NEW DEVICE

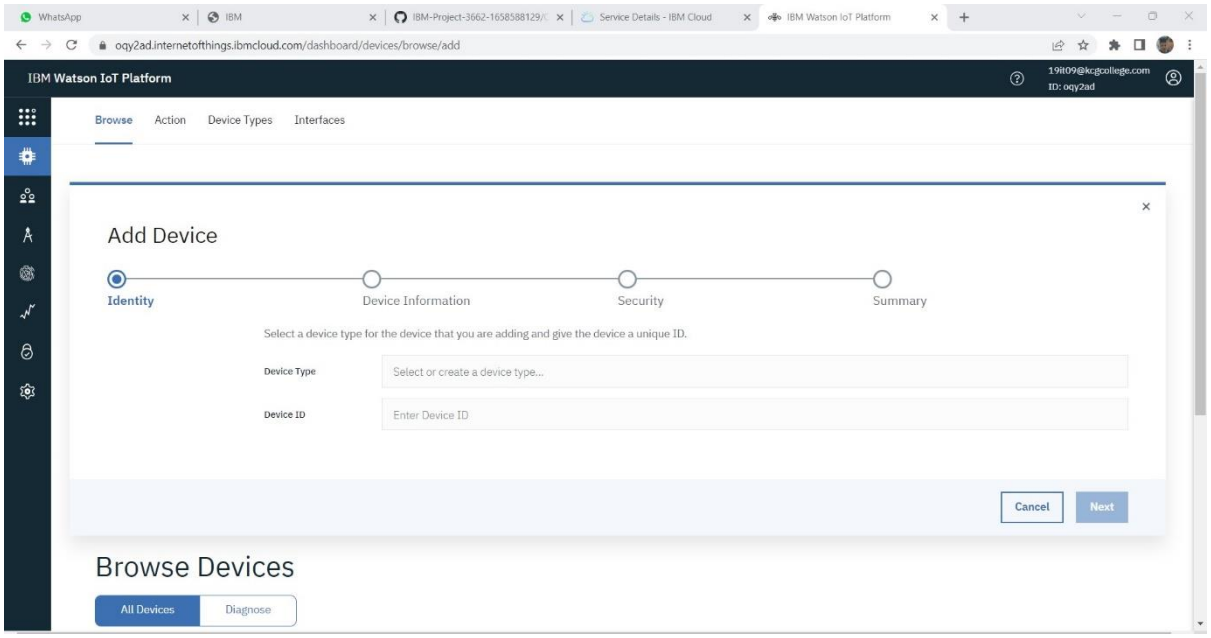

Fig 6: FILL ALL THE REQUIRED DETAILS TO CREATE THE DEVICES

DEVICE DETAILES:

Organization ID: oqy2ad

Device Type: ESP32

Device ID: Node MCU

Authentication Token: 123456789

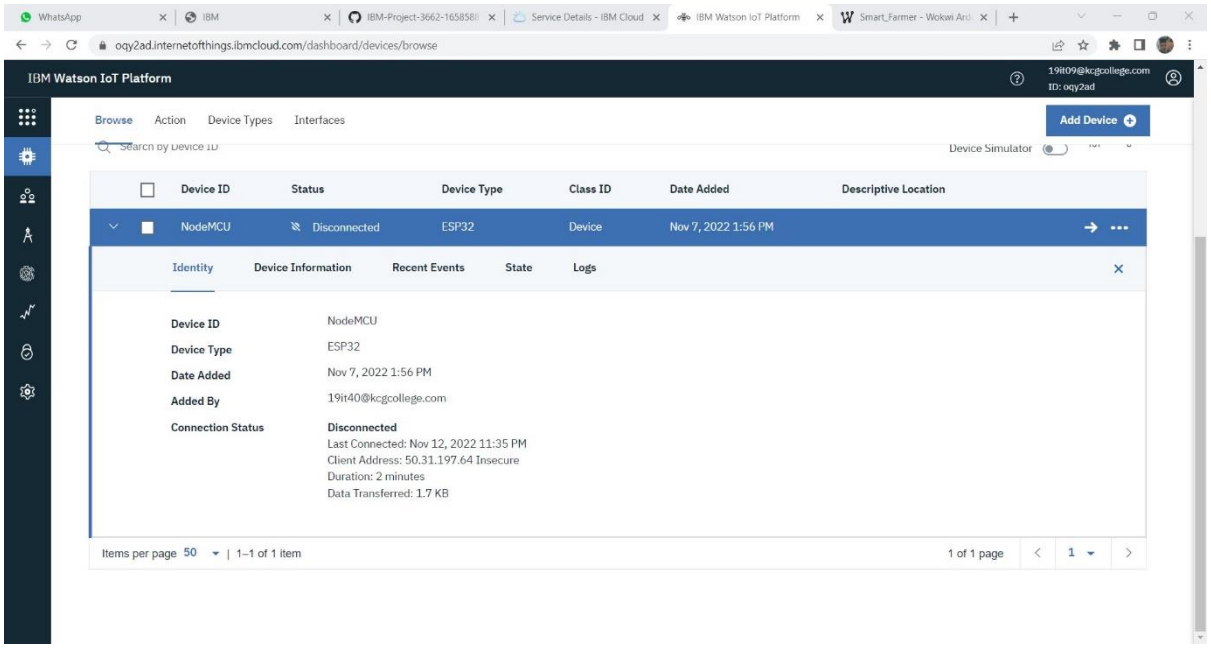

Fig 7: CREATED DEVICE ON IOT WATSON PLATFORM

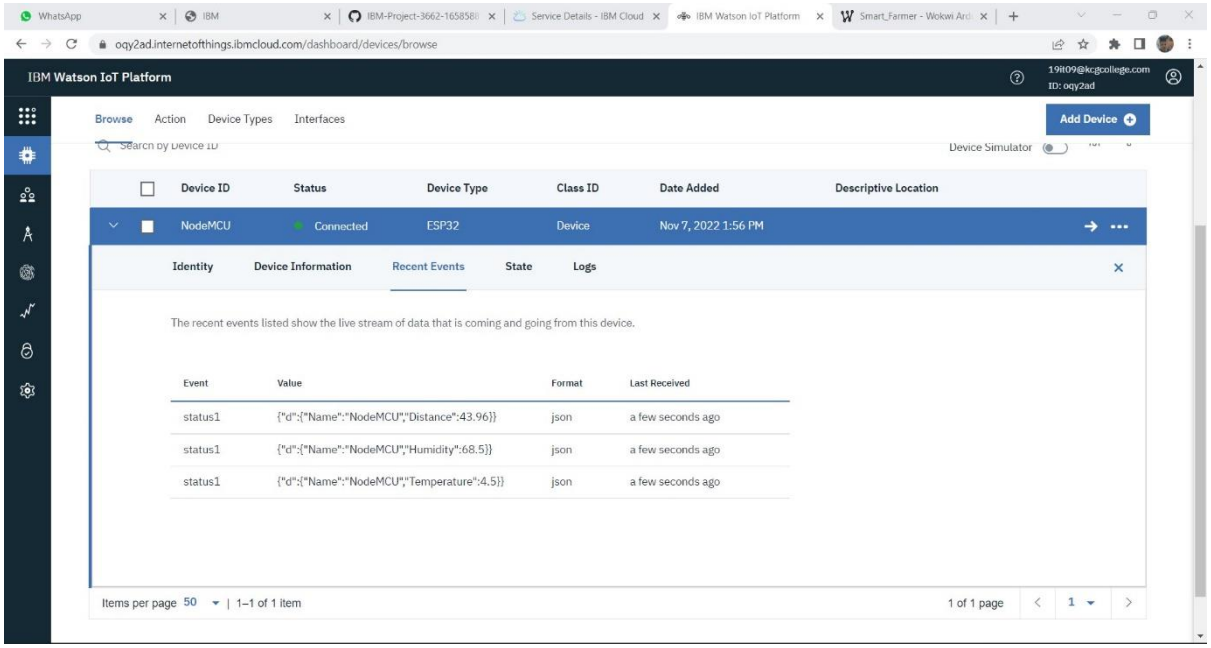

Fig 8: SIMULATION ON WATSON IOT PLATFROM