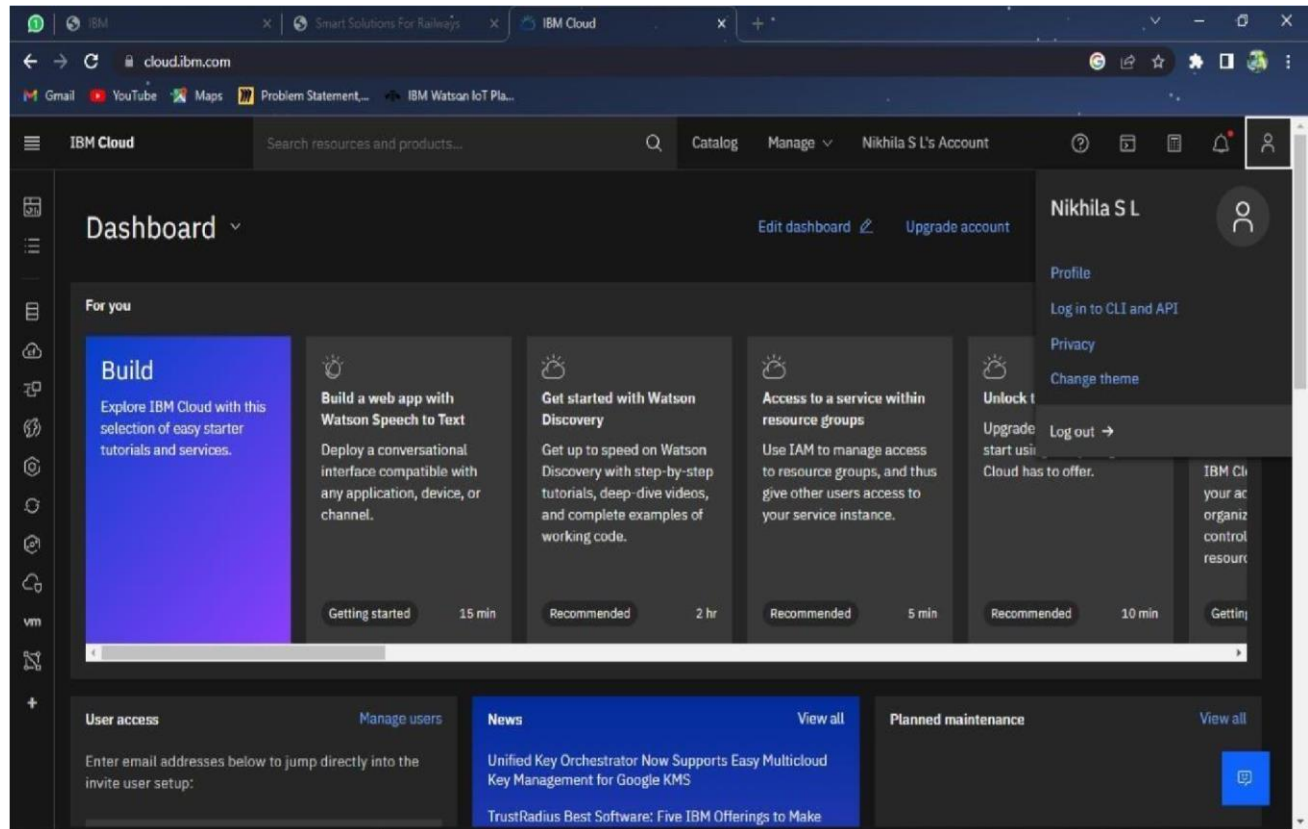


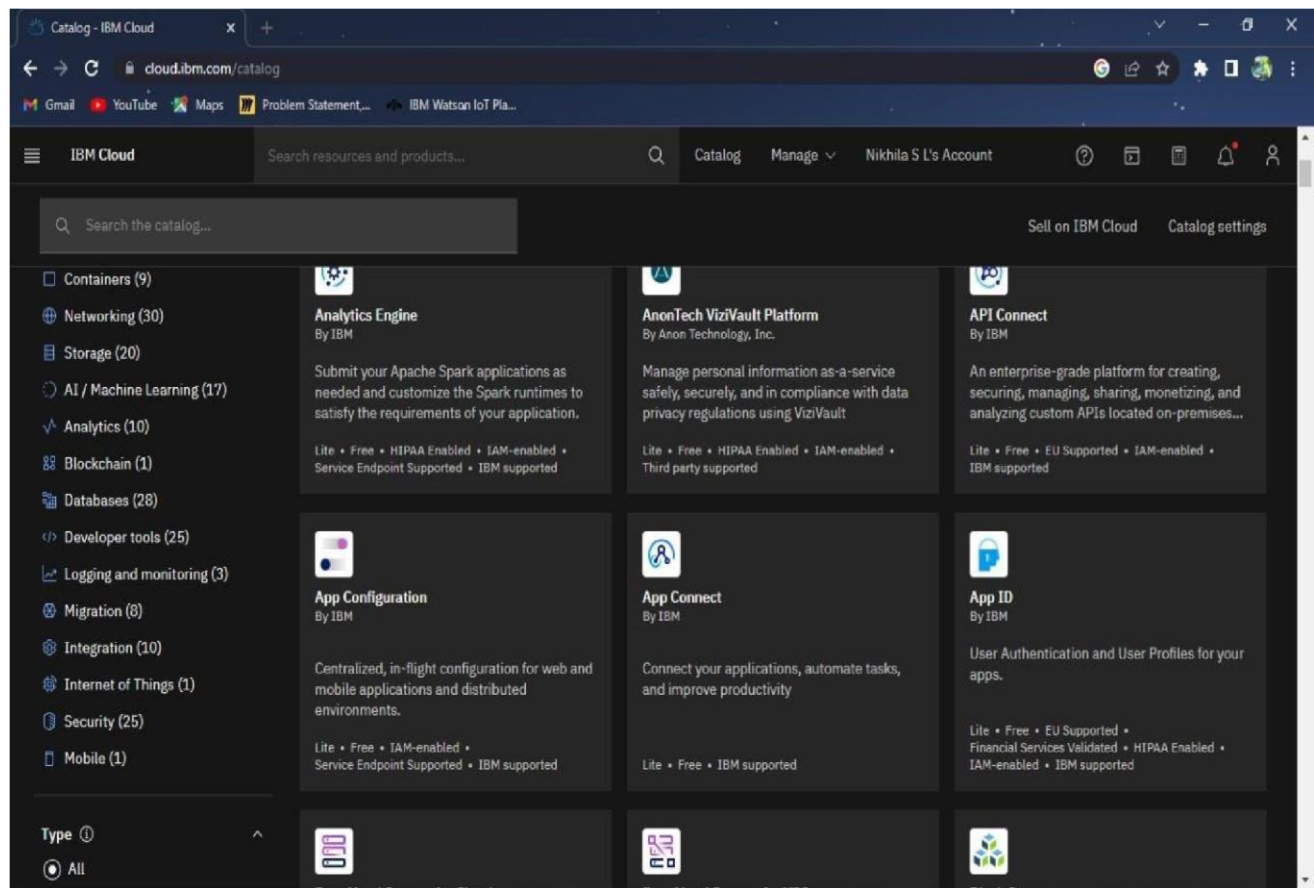
IBM CLOUD SERVICES

TEAM ID	PNT2022TMID30896
PROJECT NAME	Smart Solution For Railways

STEP 1: CREATING IBM Cloud



STEP 2: USING IBM CLOUD SERVICES



STEP 3 : CONFIGURE THE IBM CLOUD SERVICE AND CREATING IOT PLATFORM

Internet of Things Platform - IBM X

cloud.ibm.com/catalog/services/internet-of-things-platform

IBM Cloud Search resources and products... Catalog Manage Nikhila S L's Account

Internet of Things Platform

This service is the hub of all things IBM IoT, it is where you can set up and manage your connected devices so that your apps can access their live and historical data.

Create About

Type: Service

Provider: IBM

Last updated: 08/15/2022

Category: Internet of Things

Compliance: IAM-enabled

Location: Frankfurt, London, Dallas, Washington DC

Select a location: Frankfurt (eu-de)

Select a pricing plan

Displayed prices do not include tax. Monthly prices shown are for country or location: [United States](#)

Plan	Features	Pricing
Lite	Includes up to 500 registered devices, and a maximum of 200 MB of each data metric Maximum of 500 registered devices Maximum of 500 application bindings Maximum of 200 MB of each of data exchanged, data analyzed and edge data analyzed	Free

Summary

Internet of Things Platform Free

Location: Frankfurt

Plan: Lite

Service name: Internet of Things Platform

Resource group: Default

Existing Lite plan instance

You can have only 1 Lite plan instance of this service per resource group. [Delete](#) your current Lite plan instance in Default resource group to create a new one, or [view the existing instance](#).

☐ I have read and agree to the following license agreements: [Terms](#)

Create

STEP-4 : IBM WATSON IOT PLATFORM IS CREATED.

The screenshot displays the IBM Watson IoT Platform dashboard. The top navigation bar includes the IBM logo and the text 'IBM Watson IoT Platform'. The main content area shows a list of devices. A single device, 'json', is listed with a status of 'Disconnected', device type of 'Test_1', and class ID of 'Device'. The device was added on '14 Nov 2022 9:07 PM'. A dropdown menu is open for the 'json' device, showing options: 'Identity', 'Device Information', 'Recent Events', 'State', and 'Logs'. The 'Device Information' tab is selected, displaying the following details:

Device ID	json
Device Type	Test_1
Date Added	14 Nov 2022 9:07 PM
Added By	nikhilasiva5@gmail.com
Connection Status	Disconnected

The bottom of the dashboard shows 'Items per page: 50' and '1 of 1 page'.

STEP 5: CONNECT THE DEVICE AND START SIMULATING.

The screenshot displays the IBM Watson IoT Platform interface. The main dashboard shows a list of devices, including 'Test_1' which is 'Disconnected' and of type 'demo_123'. A modal window is open for configuring the device type 'demo_123'.

Device Type: demo_123

Events: 2 [New event type +]

Event type name: event_2 [Send] [trash]

Schedule: 1 Every Minute

Payload: Specify the event payload in the editor window or by uploading a CSV file.

```
0 {
1   "randomNumber": random(0, 100),
2   "sampleObject": {
3     "xcoord": 32.514,
4     "ycoord": 151.521
5   }
6 }
```

[Cancel] [Save]

Recent Events Table:

Event	Value
event_2	{"randomNumber":95,"sampleObject":{"xcoord":...
event_2	{"randomNumber":43,"sampleObject":{"xcoord":...
event_2	{"randomNumber":53,"sampleObject":{"xcoord":...
event_2	{"randomNumber":74,"sampleObject":{"xcoord":...

SIMULATION:

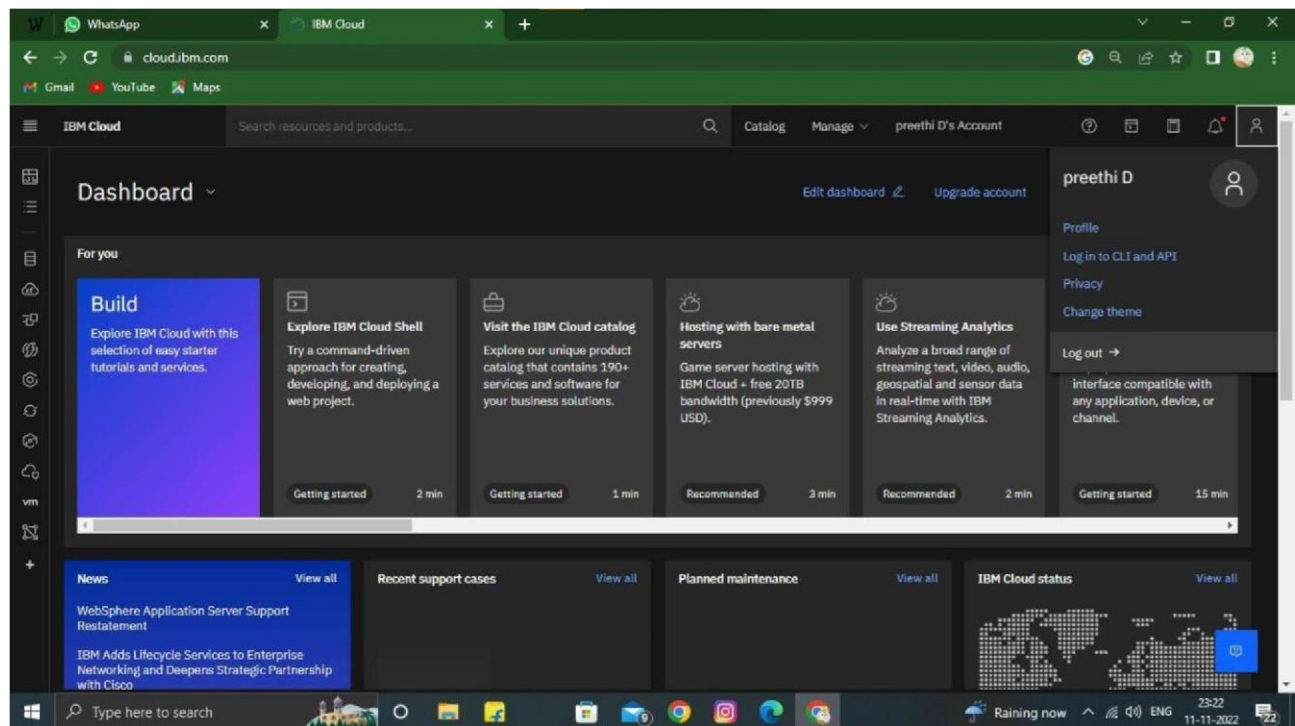
THE SIMULATION SHOWS THE AVAILABLE SEATS,
LONGITUDE AND LATITUDE.

The screenshot displays the IBM Watson IoT Platform dashboard in a web browser. The browser's address bar shows the URL `sfk2sq.internetofthings.ibmcloud.com/dashboard/devices/browse`. The dashboard header includes the IBM Watson IoT Platform logo, a user profile with email `710319104021@amarinternz.com` and ID `sfk2sq`, and an `Add Device` button. The main navigation bar has tabs for `Browse`, `Action`, `Device Types`, and `Interfaces`. The `Browse` tab is active, showing a list of devices. The `Recent Events` tab is selected, displaying a table of events. The table has four columns: `Event`, `Value`, `Format`, and `Last Received`. The events listed are `event_1` with values `{\"randomNumber\":78}`, `{\"randomNumber\":5}`, `{\"randomNumber\":24}`, and `{\"randomNumber\":59}`, all in `json` format. The `Last Received` times are `a few seconds ago`, `a minute ago`, `a minute ago`, and `2 minutes ago`. A status bar at the bottom indicates `1 Simulation running`. The Windows taskbar at the bottom shows the search bar, task view, and various application icons, along with system information: `22°C Cloudy`, `ENG`, `04:46`, and `11-11-2022`.

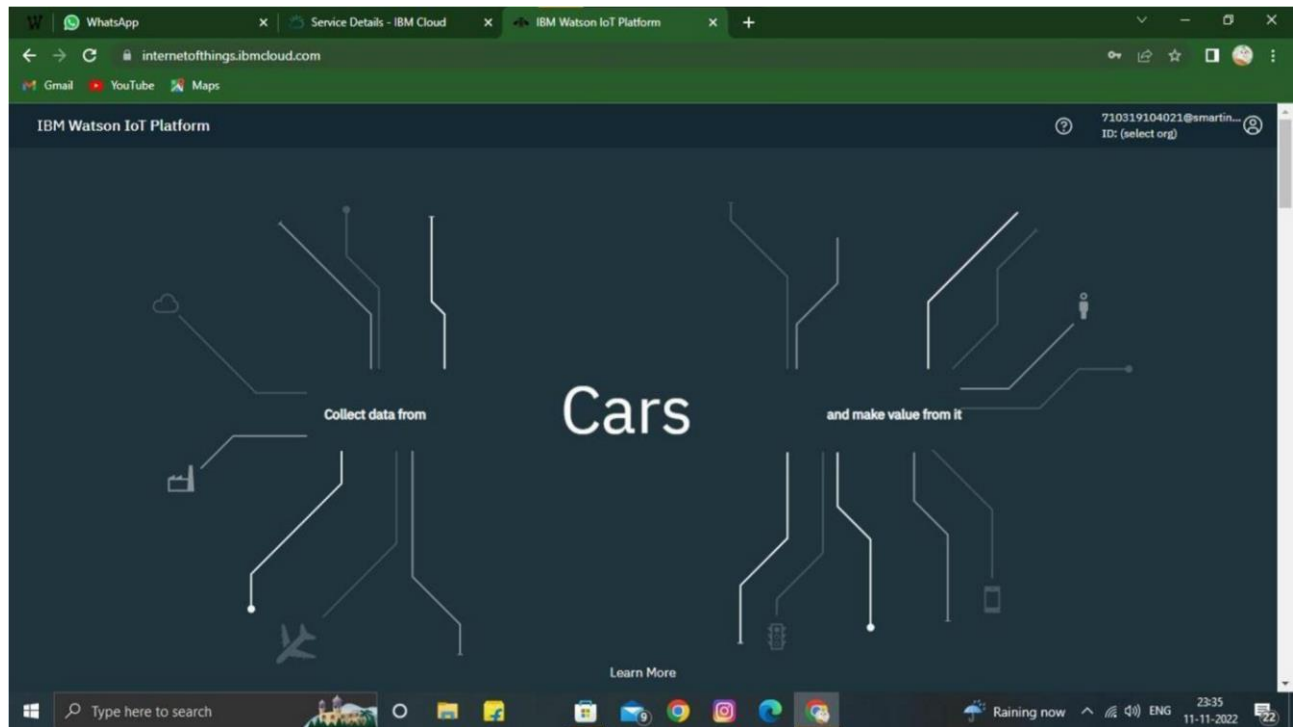
Event	Value	Format	Last Received
event_1	{\"randomNumber\":78}	json	a few seconds ago
event_1	{\"randomNumber\":5}	json	a minute ago
event_1	{\"randomNumber\":24}	json	a minute ago
event_1	{\"randomNumber\":59}	json	2 minutes ago

Preethiha. D (Team member 1)

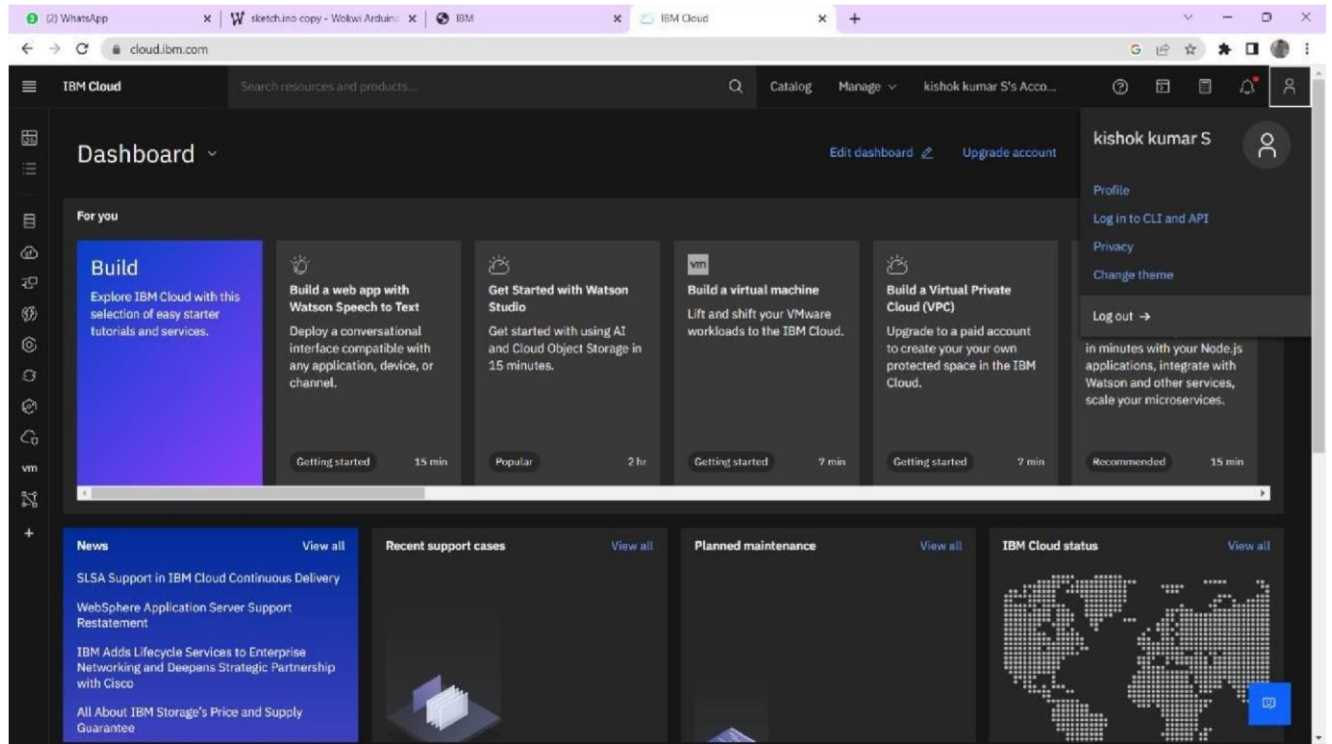
CREATING IBM Cloud:



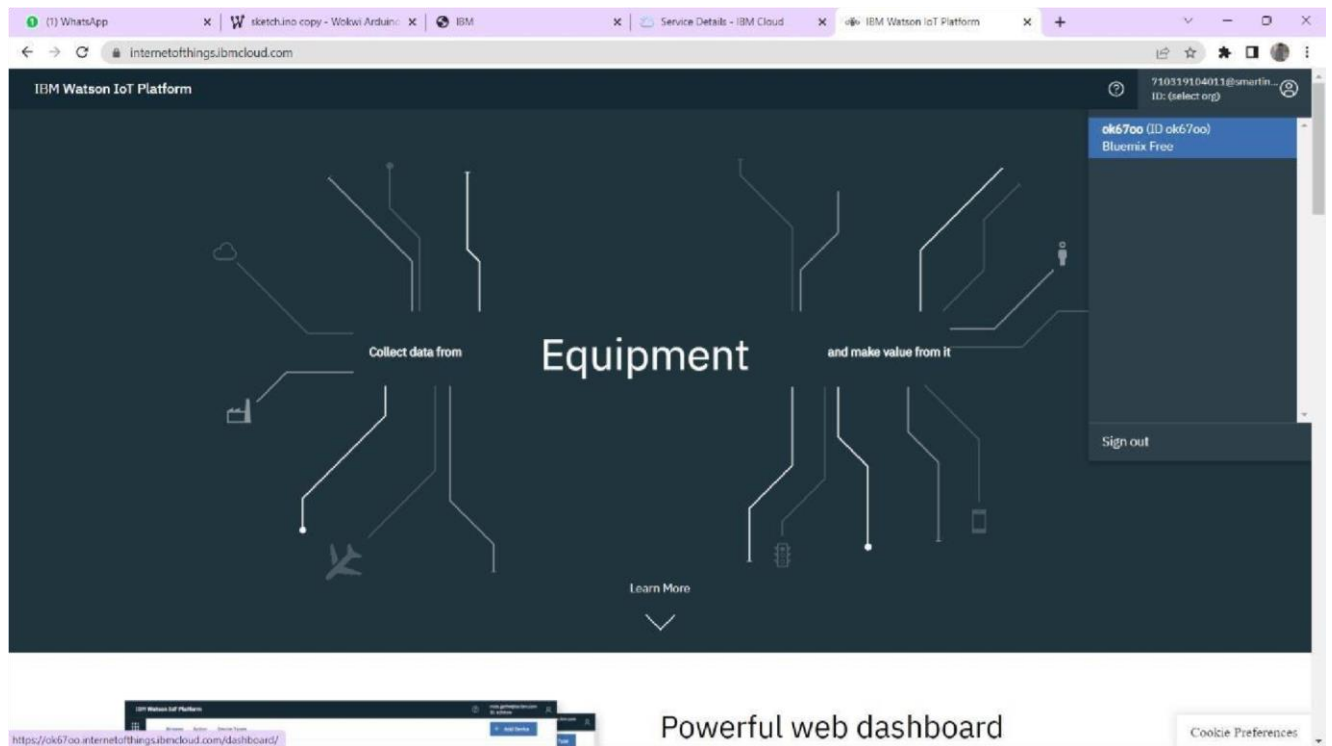
IBM WATSON IOT PLATFORM IS CREATED:



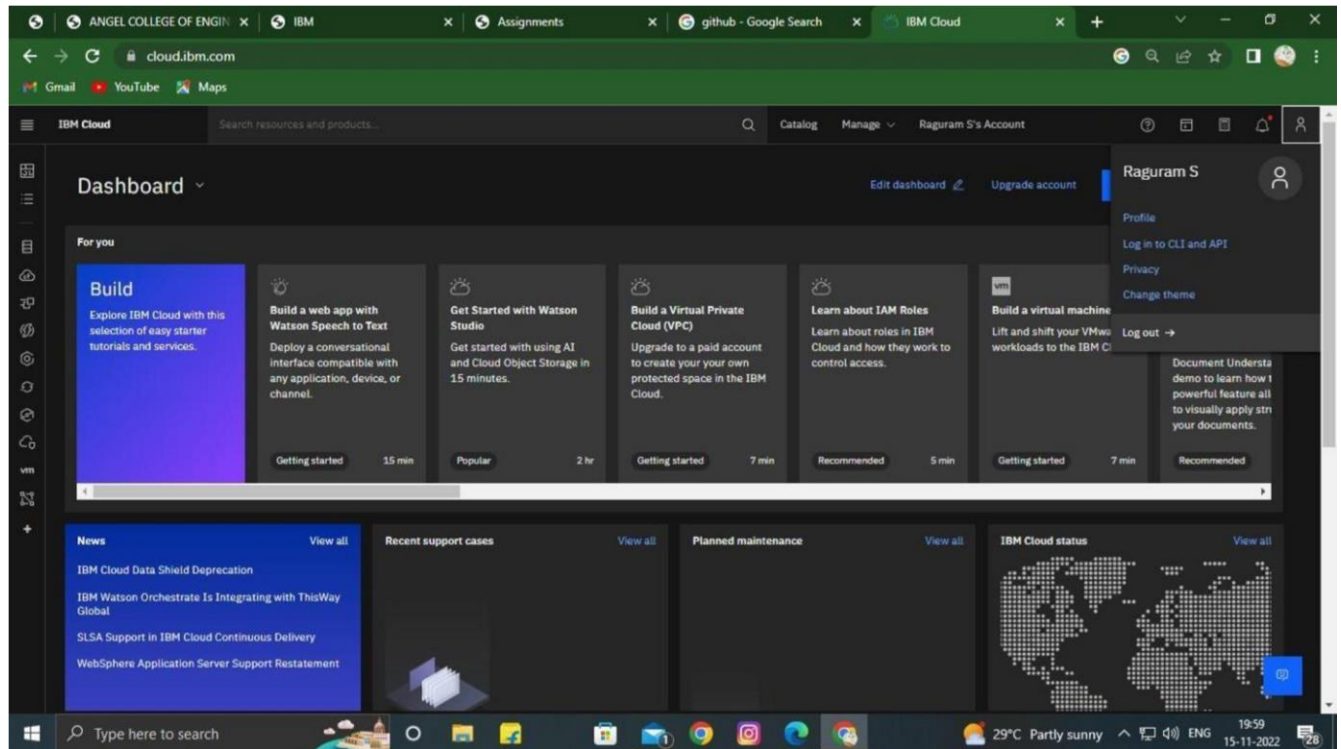
CREATING IBM Cloud:



IBM WATSON IOT PLATFORM IS CREATED:



CREATING IBM Cloud:



IBM WATSON IOT PLATFORM IS CREATED:

