

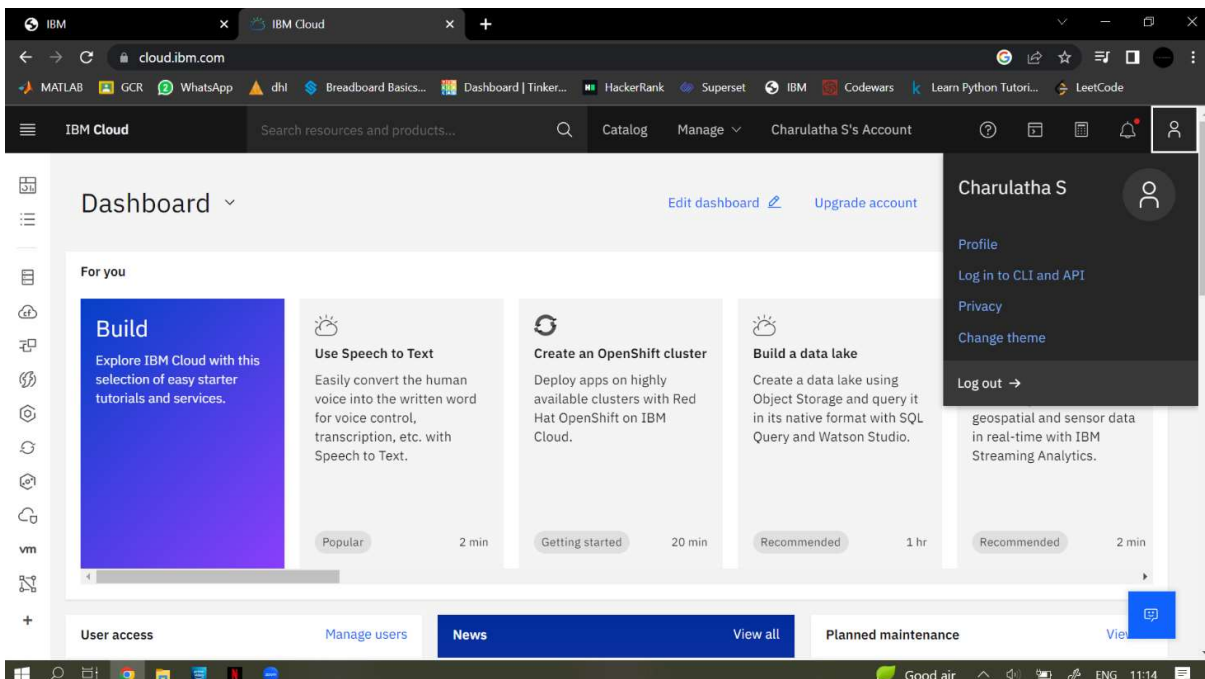
Project Development Phase

SPRINT - 1

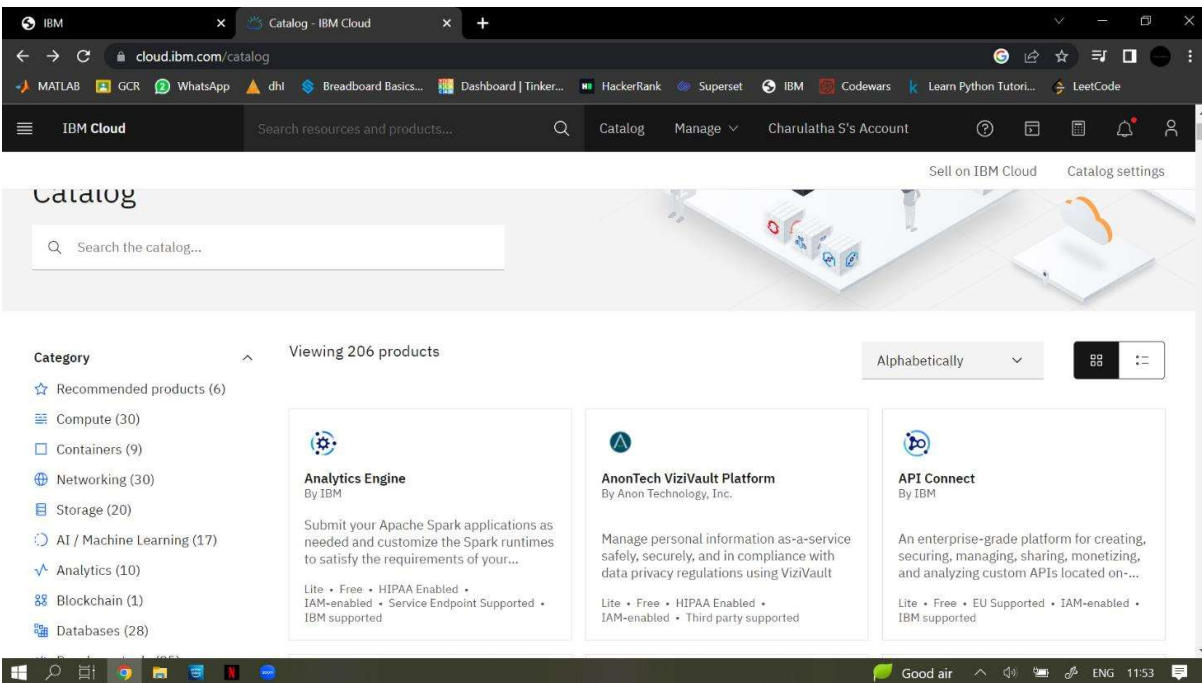
Date	29 October 2022
Team ID	PNT2022TMID54322
Project Name	Signs with Smart Connectivity for Better Road Safety
Maximum Marks	20 Marks

Sprint-1	USN-1	Create the IBM Cloud services which are being used in this project.
Sprint-1	USN-2	Configure the IBM Cloud services which are being used in completing this project.
Sprint-1	USN-3	IBM Watson IoT platform acts as the mediator to connect the web application to IoT devices, so create the IBM Watson IoT platform.
Sprint-1	USN-4	In order to connect the IoT device to the IBM cloud, create a device in the IBM Watson IoT platform and get the device credentials.

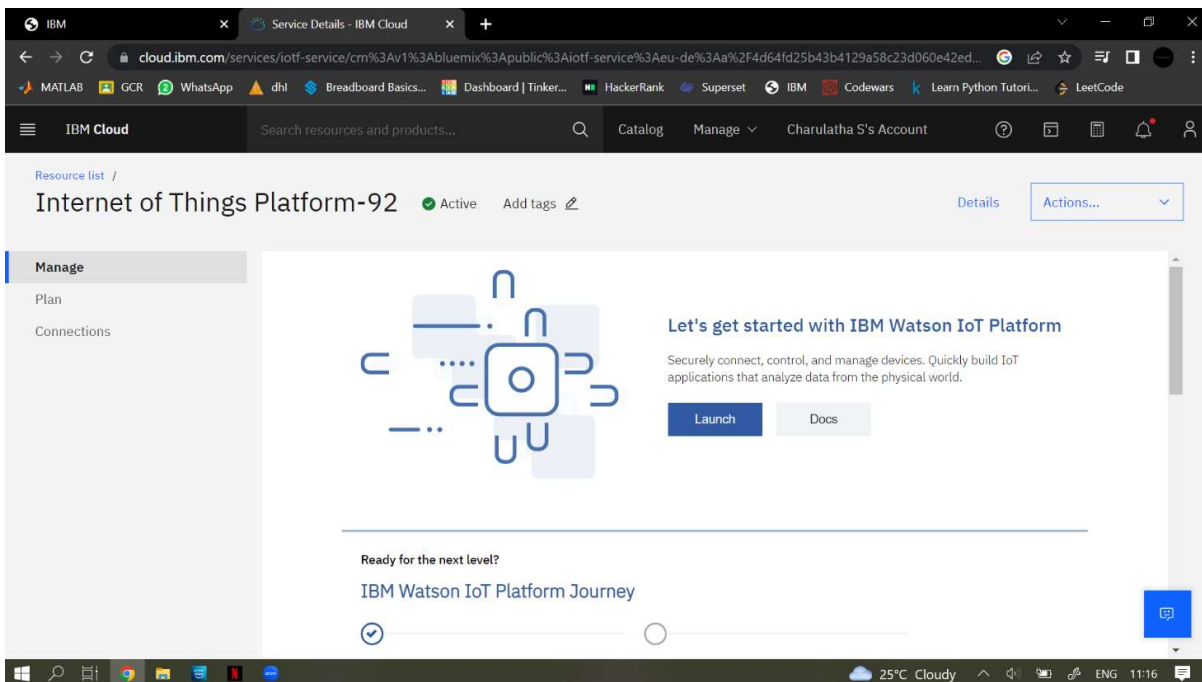
USN-1: Create the IBM Cloud services which are being used in this project.



USN-2: Configure the IBM Cloud service which are being used in completing this project.



USN-3: IBM Watson IoT Platform acts as the mediator to connect the web application to IoT devices, so create the IBM Watson IoT platform.



USN-4: In order to connect the IoT device to the IBM Cloud, create a device in IBM Watson IoT platform and get device credentials.

The screenshot shows the IBM Watson IoT Platform dashboard. The top navigation bar includes 'Browse', 'Action', 'Device Types', and 'Interfaces'. A search bar is present with the text 'Search by device ID'. The main content area displays a table with the following columns: Device ID, Status, Device Type, Class ID, and Date Added. A single device is listed with ID '123', status 'Disconnected', and type 'rasberrypi'. Below the table, a detailed view of the device is shown, including its identity, device information, recent events, state, and logs. The device information section lists the following details:

Identity	Device Information	Recent Events	State	Logs
Device ID	123			
Device Type	rasberrypi			
Date Added	13 Nov 2022 11:21 AM			
Added By	charu2k1@gmail.com			
Connection Status	Disconnected			

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

The screenshot shows the IBM Watson IoT Platform dashboard with the 'Recent Events' tab selected. The tab displays a message: 'The recent events listed show the live stream of data that is coming and going from this device.' Below this message is a table with the following columns: Event, Value, Format, and Last Received. The table contains five rows of data:

Event	Value	Format	Last Received
event_1	{"randomNumber":38}	json	a few seconds ago
event_1	{"randomNumber":55}	json	a few seconds ago
event_1	{"randomNumber":4}	json	a few seconds ago
event_1	{"randomNumber":91}	json	a few seconds ago
event_1	{"randomNumber":18}	json	a few seconds ago

At the bottom of the dashboard, a status bar indicates '1 Simulation running'.

IBM Watson IoT Platform

Device Type: raspberrypi

Events 1

New event type +

Event type name event_1 Send

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   "temp": random(10, 80),
3   "hum": random(80, 100)
4 }
5
```

json a few seconds ago

Event	Value
event_1	{"randomNumber":46,"temp":33,"hum":85}
event_1	{"randomNumber":91,"temp":46,"hum":80}
event_1	{"randomNumber":83,"temp":13,"hum":99}
event_1	{"randomNumber":70,"temp":16,"hum":98}
event_1	{"randomNumber":61,"temp":16,"hum":96}

IBM Watson IoT Platform

charu2k1@gmail.com ID: efr0if

Add Device +

Identity Device Information Recent Events State Logs

The recent events listed show the live stream of data that is coming and going from this device.

Event	Value	Format	Last Received
event_1	{"randomNumber":46,"temp":33,"hum":85}	json	a few seconds ago
event_1	{"randomNumber":91,"temp":46,"hum":80}	json	a few seconds ago
event_1	{"randomNumber":83,"temp":13,"hum":99}	json	a few seconds ago
event_1	{"randomNumber":70,"temp":16,"hum":98}	json	a few seconds ago
event_1	{"randomNumber":61,"temp":16,"hum":96}	json	a few seconds ago

1 Simulation running