

Sprint-2

Team ID	PNT2022TMID11493
Project Title	Signs with smart connectivity for better road safety
Date	14/11/22

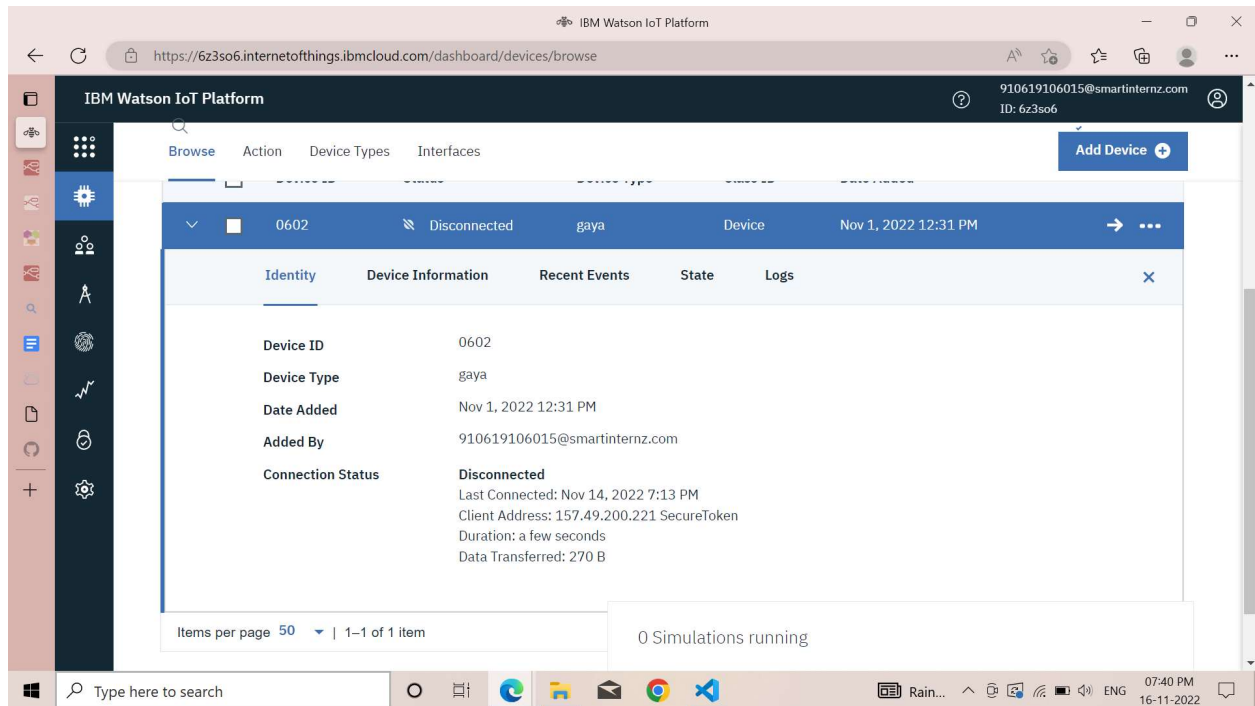
IBM Watson and Python Integration:

By using Watson IoT Platform, you can collect connected device data and perform analytics on real-time data. The IBM Watson IoT Platform is a fully managed, Cloud-hosted service that provides device management capabilities as well as data collection and management in a time series format.

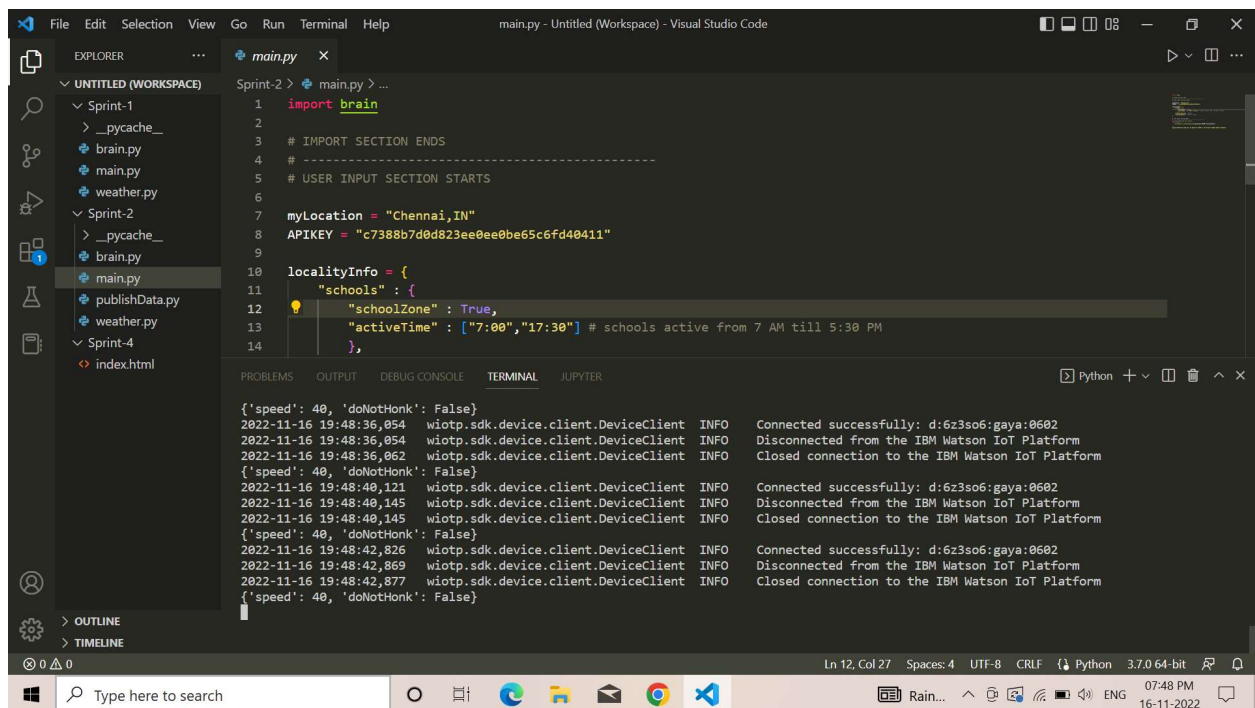
Device created in IBM:

The screenshot shows the IBM Watson IoT Platform dashboard. The main heading is "Browse Devices". Below it, there are two tabs: "All Devices" (selected) and "Diagnose". A descriptive text states: "This table shows a summary of all devices that have been added. It can be filtered, organized, and searched on using different criteria. To get started, you can add devices by using the Add Device button, or by using API." Below this text is a search bar labeled "Search by Device ID". To the right of the search bar is a "Device Simulator" toggle switch, which is currently turned on. Below the search bar is a table with the following columns: "Device ID", "Status", "Device Type", "Class ID", and "Date Added". The table contains one row of data: Device ID 0602, Status Disconnected, Device Type gaya, Class ID Device, and Date Added Nov 1, 2022 12:31 PM. Below the table, there is a pagination bar showing "Items per page 50" and "1-1 of 1 item". At the bottom of the dashboard, there is a status bar indicating "0 Simulations running". The top navigation bar includes the IBM Watson IoT Platform logo, a user profile icon, and a user ID: 910619106015@smartinternz.com. The bottom of the screenshot shows the Windows taskbar with various application icons and the system clock showing 07:39 PM on 16-11-2022.

Device ID	Status	Device Type	Class ID	Date Added
0602	Disconnected	gaya	Device	Nov 1, 2022 12:31 PM



Connecting IBM Watson



The screenshot displays the IBM Watson IoT Platform interface. The top navigation bar shows the platform name and user information. The main content area is divided into a left sidebar with navigation icons and a central panel. The central panel shows a list of devices, with one device selected and its details displayed. The 'Event Payload' window is open, showing the event data for a specific device.

Event Payload

Event Name	status
Time Received	Nov 16, 2022 7:49 PM

```

1 {
2   "temperature": 27.990000000000001,
3   "visibility": 40,
4   "location": "Chennai,IN"
5 }
  
```

The bottom of the screen shows the Windows taskbar with the search bar and various application icons.