

# Project Development - Sprint 2

## Iot Based Safety For Child Safety Monitoring & Notification

Team ID: PNT2022TMID20412

### Creating and connecting IBM Cloud for Project and Python Code

Creating IBM Cloud Service and Creating the Device:

The screenshot displays the IBM Watson IoT Platform interface. The top navigation bar includes links for Sign in, Verify, IBM-Pi, Assign, Sprint, and various other tools. The main header shows the user's email (1911056@nec.edu.in) and a device ID (rg04s8). The main content area features a large graphic with the text "Buildings" and "Collect data from" and "and make value from it". Below this, there are cookie consent banners. The bottom section shows the "Brow" tab selected, displaying a table of devices. The table has columns for Device ID, Status, Device Type, Class ID, Date Added, and Descriptive Location. A detailed view of a device is shown below the table, including its ID (1911056), Type (mobile), and Connection Status (Disconnected).

IBM Watson IoT Platform

1911056@nec.edu.in  
ID: (select org)

rg04s8 (ID rg04s8)  
Bluemix Free

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Assignment 4 (3).pdf  
Assignment 4 (1).pdf  
Sprint 4 (2).docx  
Sprint 2.docx  
Sprint 3 (1).pdf  
Sprint 3.pdf  
Show all

Type here to search

31°C Haze  
02:20 PM  
19-11-2022

rg04s8.internetofthings.ibmcloud.com/dashboard/devices/browse

IBM Watson IoT Platform

1911056@nec.edu.in  
ID: rg04s8

Browse Action Device Types Interfaces

Add Device

Device ID	Status	Device Type	Class ID	Date Added	Descriptive Location
1911056	Disconnected	mobile	Device	Nov 14, 2022 12:02 PM	

Identity Device Information Recent Events State Logs

Device ID: 1911056  
Device Type: mobile  
Date Added: Nov 14, 2022 12:02 PM  
Added By: 1911056@nec.edu.in  
Connection Status: Disconnected  
Last Connected: Nov 19, 2022 2:33 PM  
Client Address: 50.31.197.64 Insecure  
Duration: a few seconds  
Data Transferred: 211 B

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Assignment 4 (3).pdf  
Assignment 4 (1).pdf  
Sprint 4 (2).docx  
Sprint 2.docx  
Sprint 3 (1).pdf  
Sprint 3.pdf  
Show all

Type here to search

31°C Haze  
02:33 PM  
19-11-2022

**IN -Area Location :**

**IBM Watson IoT Platform**

1911056@nec.edu.in  
ID: rg04s8

[Browse](#) | [Action](#) | [Device Types](#) | [Interfaces](#) [Add Device](#) +

Device ID	Status	Device Type	Class ID	Date Added	Descriptive Location
1911056	Disconnected	mobile	Device	Nov 14, 2022 12:02 PM	

Identity

Device Information

Recent Events

State

Logs

**Device ID**  
1911056  
**Device Type**  
mobile  
**Date Added**  
Nov 14, 2022 12:02 PM  
**Added By**  
1911056@nec.edu.in  
**Connection Status**  
**Disconnected**  
Last Connected: Nov 19, 2022 2:33 PM  
Client Address: 50.31.197.64 Insecure  
Duration: a few seconds  
Data Transferred: 211 B

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**Out-Area Location :**

The image shows a Windows desktop environment with two code editors open. The left editor, titled 'IDLE Shell 3.9.4', contains Python code for connecting to an IBM IoT platform. The code defines a configuration dictionary, creates a DeviceClient, and enters a loop that publishes location data every 5 seconds. The right editor, titled 'Python 3.7.0 Shell', displays the output of the program, showing a series of log messages: 'Data published to IBM Iot platform: {'name': 'locater', 'lat': 13.1459976145323, 'lon': 80.0619303452179}'. The taskbar at the bottom of the screen includes the Start button, a search bar, and several application icons. The system clock in the bottom right corner indicates the time is 5:41 PM on 11/17/2022, with a temperature of 28°C.

The screenshot displays the IBM Watson IoT Platform interface. At the top, there's a navigation bar with the platform name and user information. Below this, a sidebar contains icons for various functions. The main content area is divided into tabs: 'Browse', 'Action', 'Device Types', and 'Interfaces'. The 'Browse' tab is active, showing a table of devices. One device, with ID 1911056 and status 'Disconnected', is selected. A detailed view of this device is shown below the table, including its identity, device information, recent events, state, and logs. The device information section shows details like the device ID, type, date added, added by, and connection status (Disconnected). The bottom of the screen shows a Windows taskbar with several open applications and the system clock.

**IBM Watson IoT Platform**

1911056@nec.edu.in  
ID: rg04s8

**Browse** Action Device Types Interfaces **Add Device**

Device ID	Status	Device Type	Class ID	Date Added	Descriptive Location
1911056	Disconnected	mobile	Device	Nov 14, 2022 12:02 PM	

**Identity** Device Information Recent Events State Logs

**Device ID** 1911056

**Device Type** mobile

**Date Added** Nov 14, 2022 12:02 PM

**Added By** 1911056@nec.edu.in

**Connection Status** **Disconnected**  
Last Connected: Nov 19, 2022 2:33 PM  
Client Address: 50.31.197.64 Insecure  
Duration: a few seconds  
Data Transferred: 211 B

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