

Create a IBM Watson IoT platform and device

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| Team ID | PNT2022TMID26604 |
| Project Name | Project - SMART WASTE MANAGEMENT FOR METROPOLITAN CITIES |

Step 1: Login into IBM CLOUD account.

Step 2: Click on catalog and search for IOT platform.

Step 3: Then search for IOT Watson platform then click on create.

Step 4: Then click on add device and give the device type and necessary details then click finish.

Step 5: Finally, IOT Watson platform is successfully created.

The screenshot displays the IBM Watson IoT Platform interface. The top navigation bar includes the IBM logo and a user profile for 'surithi17sk@gmail.com' with ID 'zt1sr5'. The main content area is titled 'Device Drilldown - 12345' and features a sidebar with navigation options: Device Credentials, Connection Information, Recent Events, State, Device Information, Metadata, Diagnostics, Connection Logs, and Device Actions. The 'Device Credentials' section is active, showing a table of credentials for the device '12345' (ESP32_Controller). The table lists the Organization ID as 'zt1sr5', the Device Type as 'ESP32_Controller', the Device ID as '12345', the Authentication Method as 'use-token-auth', and the Authentication Token as '?qy6Fdctf???PaHtJ'. A warning message states: 'Authentication tokens are non-recoverable. If you misplace this token, you will need to re-register the device to generate a new authentication token.' A link to 'Find out how to add these credentials to your device' is provided at the bottom.

| Organization ID | Device Type | Device ID | Authentication Method | Authentication Token |
|-----------------|------------------|-----------|-----------------------|----------------------|
| zt1sr5 | ESP32_Controller | 12345 | use-token-auth | ?qy6Fdctf???PaHtJ |

The screenshot displays the IBM Watson IoT Platform interface. At the top, the navigation bar includes 'Browse', 'Action', 'Device Types', and 'Interfaces'. A sidebar on the left contains icons for various functions. The main content area shows a table of devices. The first device, '37855', is highlighted. Below the table, a detailed view of the selected device is shown, including its identity, device information, recent events, state, and logs. The device is currently 'Disconnected'.

| Device ID | Status | Device Type | Class ID | Date Added |
|-----------|--------------|-------------|----------|-------------------|
| 37855 | Disconnected | swms | Device | 16 Nov 2022 11:37 |

| Identity | Device Information | Recent Events | State | Logs |
|-------------------|--------------------------|---------------|-------|------|
| Device ID | 37855 | | | |
| Device Type | swms | | | |
| Date Added | 16 Nov 2022 11:37 | | | |
| Added By | iswa19213.cs@rmkec.ac.in | | | |
| Connection Status | Disconnected | | | |