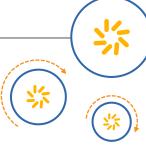


Qualcomm Technologies, Inc.



# **Device Characterization Platform v1.0.0**

**User Guide** 

DCP-Authority-User-Guide-v1.0.0

October 4, 2019

# **Revision history**

Revision	Date	Description
Α	October 2019	Initial release

# **Contents**

1.	Introd	uction	5
	1.1. 1.2. 1.3. 1.4.	Purpose	
2.	Syster	m Description	7
3.	Syster	m Navigation	9
	3.1.	Login Screen9	
	3.2.	Portal Sections10	
	3.3.	Dashboard Screen11	
	3.4.	IMEI Search	
		3.4.1.Matched Devices	
		3.4.2.Counterfeit Devices	
	3.5.	My Activity20	
	3.6.	All Users Activity21	
	3.7.	Counterfeit Devices	
	3.8.	Add Members	
	3.9.	App Download	
	3.10.	License Agreement31	
	3.11.	System Feedbacks	

#### **Figures**

Figure 1-Login Screen	9
Figure 2-Portal Sections	10
Figure 3-Dashboard Screen	11
Figure 4-IMEI Search	12
Figure 5-IMEI Search	13
Figure 6-Searched Details Table	
Figure 7-Matched Devices	15
Figure 8-Confirmation Message	16
Figure 9-Report Device	17
Figure 10-Counterfeit Device Details	18
Figure 11-Confirmation Message	19
Figure 12-My Activity	20
Figure 13-All Users Activity	21
Figure 14-Export Activity Logs	22
Figure 15-Counterfeit Devices	
Figure 16-Export Counterfeit Logs	24
Figure 17-Add Members	25
Figure 18-Add User Details	26
Figure 19-Activate User Account	27
Figure 20-Action Buttons	28
Figure 21- Download Mobile App	29
Figure 22-Download Mobile App	30
Figure 23-License Agreement	31
Figure 24-License Agreement	32
Figure 25-System Feedback	33
Tables	
Table 1- Supported Desktop Browsers	
Table 2- Supported Mobile Browsers	
Table 3- Definitions, Acronyms, and Abbreviations	

# 1. Introduction

Device Characterization Platform (DCP) is a platform for authorized users to characterize devices based on their IMEI by querying GSMA IMEI database. It fetches information associated with an IMEI from GSMA IMEI database and displays to user. It gives option to user to report counterfeit device if its TAC part of IMEI is not approved by GSMA or characteristics retrieved from GSMA IMEI database does not match with physical device.

## 1.1. Purpose

This document is intended to give assistance to the user to use the Device Characterization Platform (DCP).

### 1.2. Supported Desktop Browsers

Table 1- Supported Desktop Browsers

Name	Version	
Internet Explorer	11.0	
Firefox 52.5 ESR	57.0	
Chrome	63.0	
Safari	/11.0	
Edge	41.16299	

## 1.3. Supported Mobile Browsers

Table 2- Supported Mobile Browsers

Name	Version
Chrome	63.0
UC Browser	11.5
Opera(Android)	44.1
Opera(iOS)	16.0.7
Safari	11.1
Samsung Internet	6.2
Android	4.1.x - 4.3

# 1.4. Definitions, Acronyms, and Abbreviations

Table 3- Definitions, Acronyms, and Abbreviations

Term	Definition	
DCP	Device Characterization Platform	
TAC	Type Allocation Code	
IMEI	International Mobile Equipment Identity	

# 2. System Description

Table 4-System Description

Feature/Sections	Description
Login Screen	<ul> <li>In order to gain access to information and functionality, user first needs to enter his/her credentials on login screen.</li> </ul>
Portal Sections	The portal is divided into following sections.
	Header     Header section displays name of the system, language change option and name of the logged in user with logout functionality.
	Navigation Panel     Navigation Panel contains main navigation menu through which user can navigate the whole system.
	Main Content Area     Main Content Area contains all the content to be displayed and actions to be performed for respective feature.
	Footer     Footer contains the copyright statement.
Dashboard	The dashboard gives the visual display of stats (i.e. statistics, charts, table and heat maps) at a glance.
IMEI Search	Allows user to enter IMEI to fetch details from GSMA IMEI database
Device Status	Displays the following information (i.e. Device ID, Manufacturer, Equipment Type, Brand Name, Model Name, Marketing Name, Internal Model Name, TAC Approved Date, Device Certify Body, Radio Interface, Operating System, SIM Support, Bluetooth Support, and WLAN Support) of the device in a table.
My Activity	<ul> <li>Allows user to view his/her own activity logs (i.e. User Device (web, mobile), Checking Method (auto, manual), IMEI Number, Result Status (found/not found), Results Matched(yes/no), User Name, Created At).</li> </ul>
All Users Activity	Allows user to view all activity logs of all other users.
Counterfeit Devices	Allows user to search, delete, and view the devices that have been reported as counterfeit
Members	Allows admin user to create a new user and view/edit profile of users.

Feature/Sections	Description
App Download	Allows user to download the mobile app by accepting the end user license agreement.
License Agreement	Allows user to view current license agreement and add new version of license agreement
System Feedbacks	Allows admin to view the feedback of users.
Language Change	<ul> <li>Facilitates user to select any language (English, Vietnamese) for the system.</li> </ul>

# 3. System Navigation

## 3.1. Login Screen

- 1. Enter username and password in respective fields
- 2. Click on "Log in" button

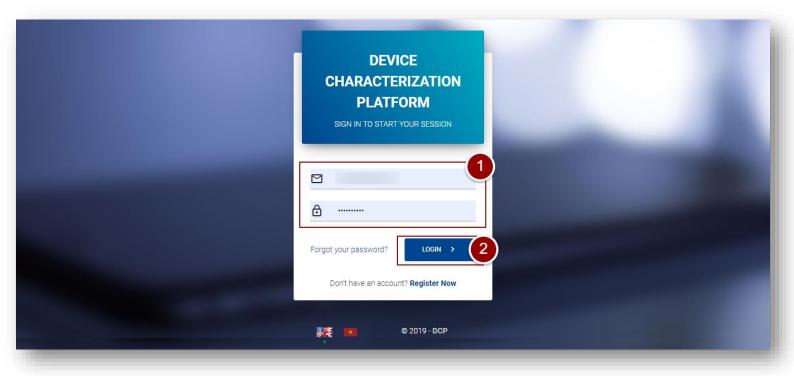
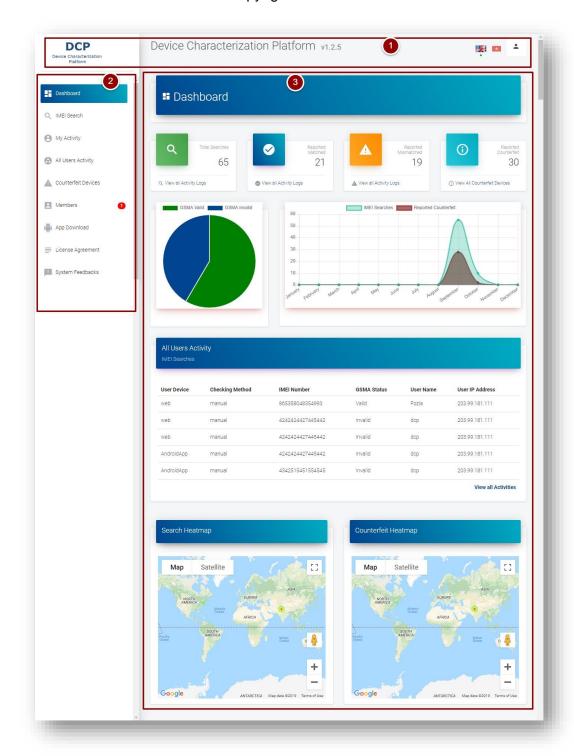


Figure 1-Login Screen

#### 3.2. Portal Sections

The portal screen is divided into following sections:

- 1. **Header** section displays name of the system, name of the logged in user with logout functionality.
- 2. **Main Navigation Panel** helps user to navigate through system.
- 3. Main Content Area contains all relevant information related to the respective feature/option.
- 4. **Footer** contains the version and copyrights statement.



**Figure 2-Portal Sections** 

#### 3.3. Dashboard Screen

By clicking on "Login" button, it will redirect user to dashboard screen that displays all stats of the system.

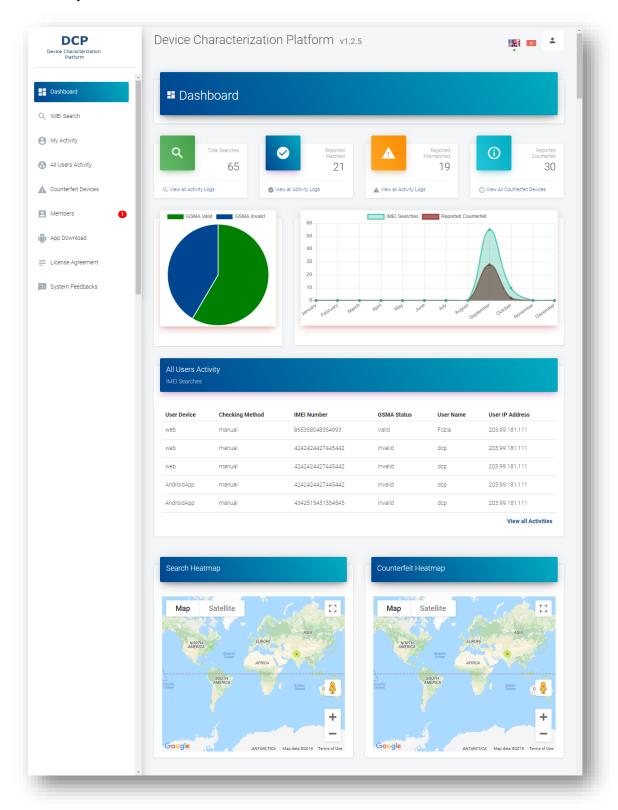


Figure 3-Dashboard Screen

#### 3.4. IMEI Search

- 1. To search a particular IMEI, click on "IMEI Search" link
- 2. Enter IMEI in the respective field

**Note**: The length of the IMEI should be between 14-16 characters.

3. Click on "Search" button

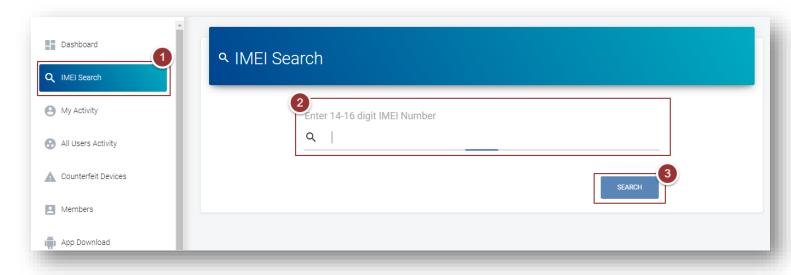


Figure 4-IMEI Search

By clicking on "Search" button a popup will appear that contain entered IMEI to be verified.

4. Verify the IMEI and click on "OK" button

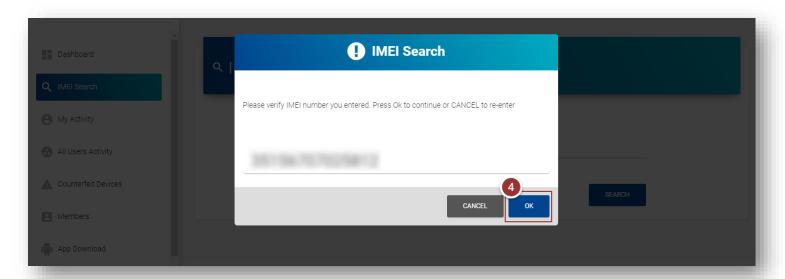


Figure 5-IMEI Search

The details of the searched IMEI (i.e. Device ID, Manufacturer, Equipment Type etc.) will display in a table.

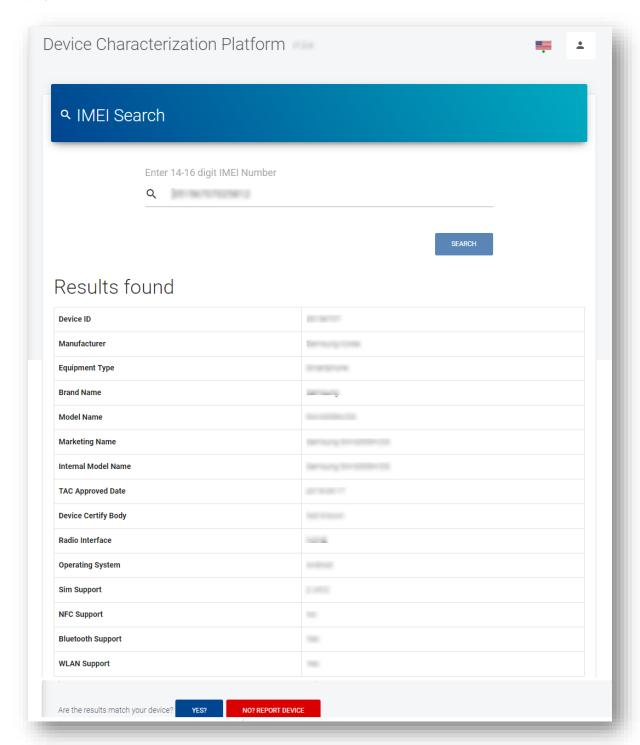


Figure 6-Searched Details Table

#### 3.4.1. Matched Devices

Note: Repeat steps 1-4 as per section 3.4

If the searched details of the device are matched with user's device then user can mark the device as matched device.

5. To mark IMEI as matched, click on "Yes" button

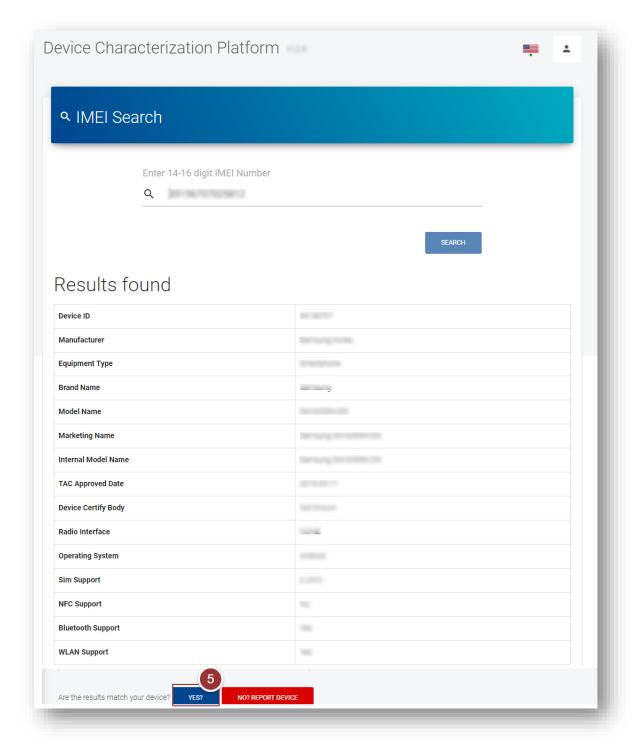


Figure 7-Matched Devices

By clicking on "Yes" button, a popup window will appear that displays the confirmation massage.

6. Click on "OK" button to proceed further

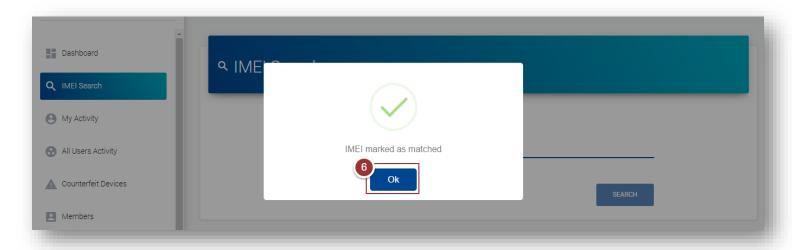


Figure 8-Confirmation Message

#### 3.4.2. Counterfeit Devices

Note: repeat steps 1-4 as per section 3.4

If the searched details of device are not found/not matched with user's device then user can report the device as counterfeit device.

5. To report device as counterfeit, click on "Report Device" button

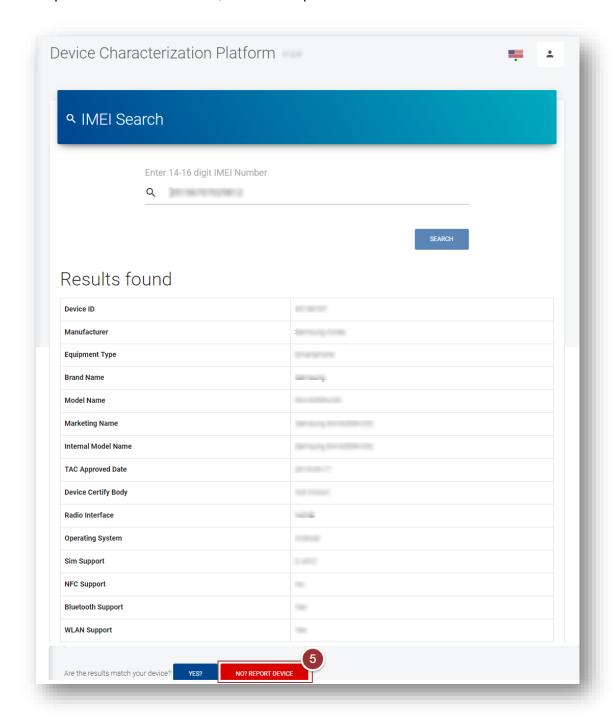


Figure 9-Report Device

By clicking on "Report Device" button, a form will appear to get actual details of the device.

6. Enter the required information (i.e. Mobile Phone Brand, Model Name, Store Name, Address(user's address), Description and images) in the respective fields

Note: User can upload maximum 5 images in (.png, .jpg, .gif .jpeg) format.

7. Click on "Submit" button

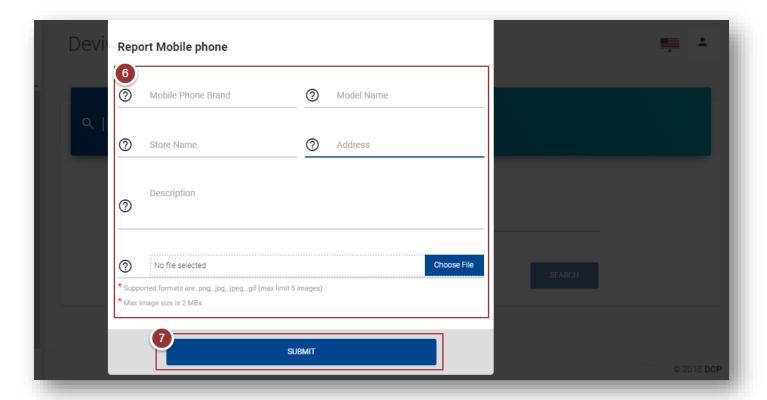
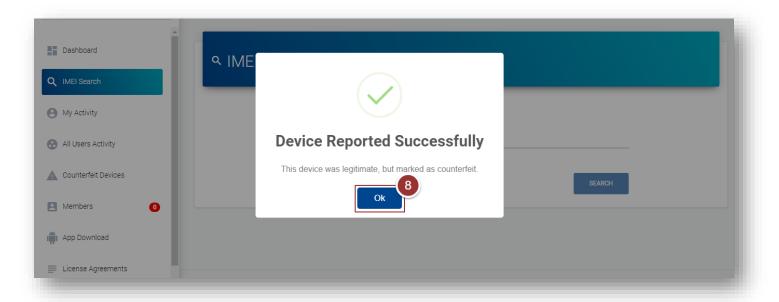


Figure 10-Counterfeit Device Details

By clicking on "Submit" button, a popup window will appear that displays the confirmation massage.

8. Click on "OK" button to proceed further



**Figure 11-Confirmation Message** 

## 3.5. My Activity

1. To view activity logs(i.e. total number of IMEIs searched by the user), click on the "My Activity" link

A page will appear in the right content area that displays all activity details (i.e. User Device (web, mobile), Checking Method (auto, manual), IMEI Number, Result Status (found/not found), Results Matched(yes/no), User Name, Created At).

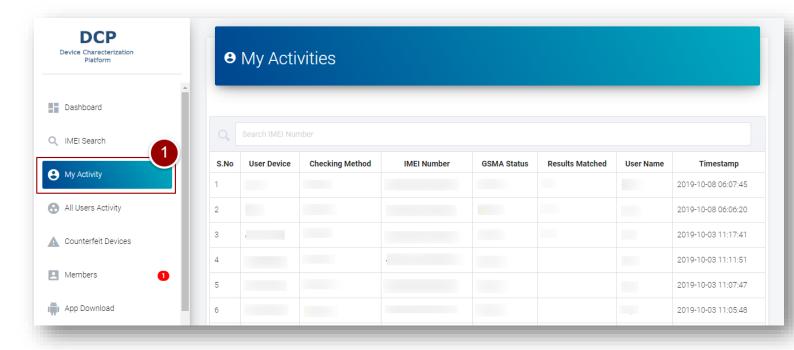


Figure 12-My Activity

## 3.6. All Users Activity

To view activity logs of all other users, click on "All Users Activity" link
 A page will appear in the right content area that displays all activity details.

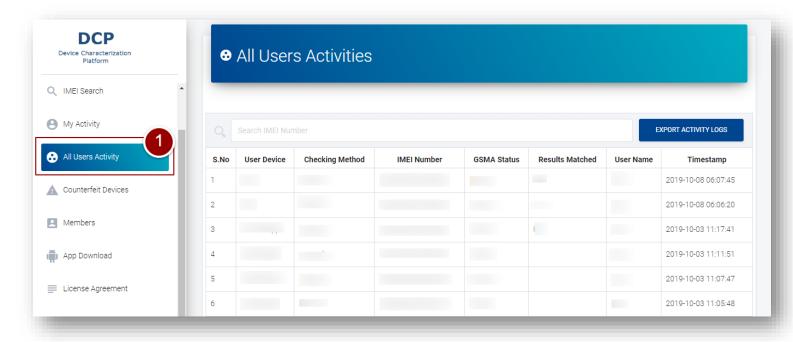
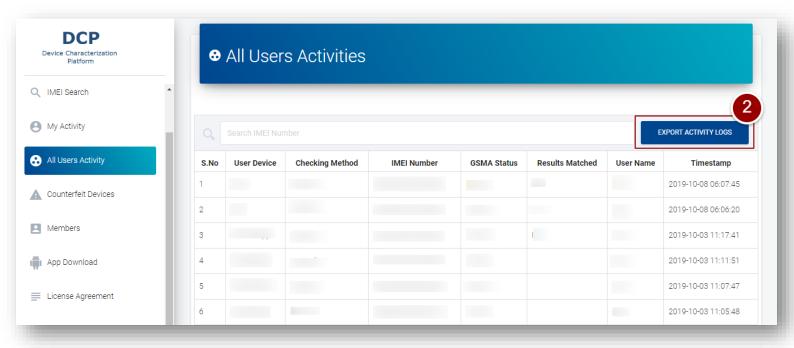


Figure 13-All Users Activity

2. To download activity details of all users, click on the "Export Activity Logs" button



**Figure 14-Export Activity Logs** 

#### 3.7. Counterfeit Devices

1. To view all counterfeit devices (i.e. Not matched or Not found), click on "Counterfeit Devices" link

A page will appear in right content area that displays information (i.e. IMEI Number, User Name, Brand Name, Model Name, Status, time and date) of counterfeit devices.

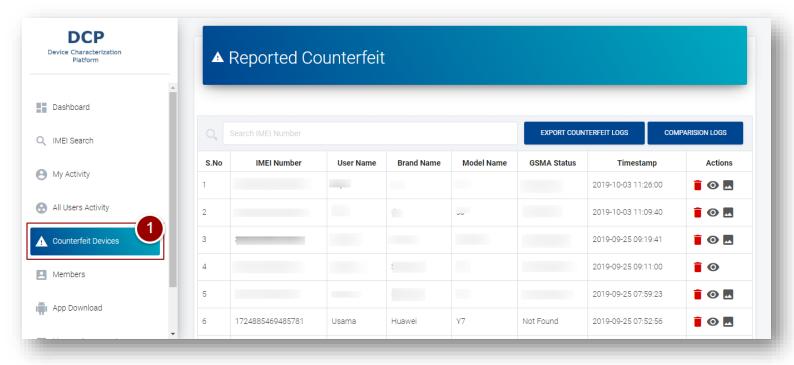
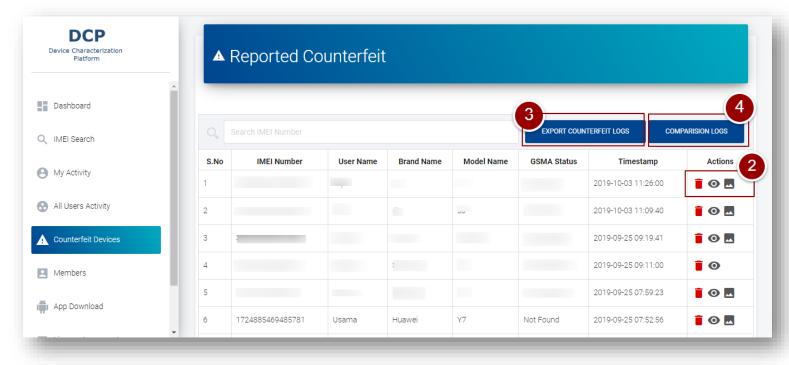


Figure 15-Counterfeit Devices

- 2. To delete/view the log of counterfeit device, click on the required action button
- 3. To download all details of counterfeit devices, click on the "Export Counterfeit Logs" button
- 4. To download all details of comparison Logs, click on the "Comparison Logs"



**Figure 16-Export Counterfeit Logs** 

#### 3.8. Add Members

1. To create a new user, click on "Members" link

A page will appear in right content area that displays the information (i.e. First Name, Last Name, Email Address, and Date/Time Added) of created users.

2. Click on "Add New User" button

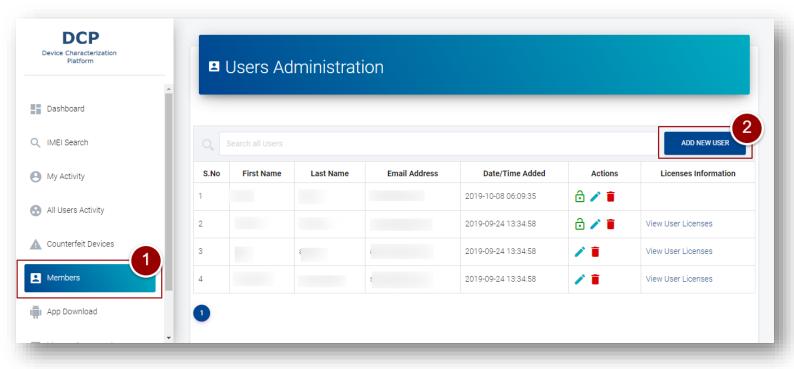


Figure 17-Add Members

- 3. A form will appear to get details of the user (i.e. First Name, Last Name, Email, and password)
- 4. Click on "Add" button

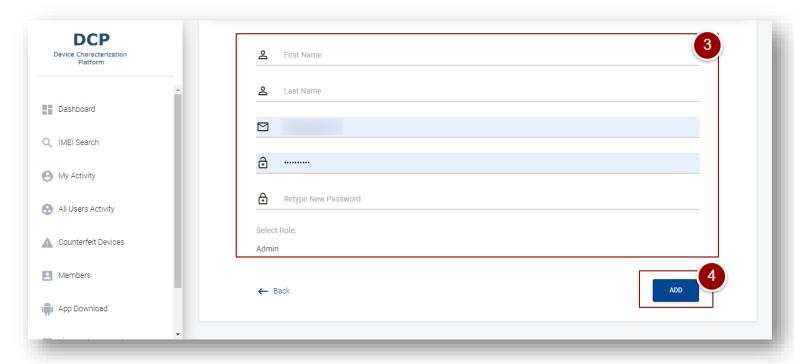
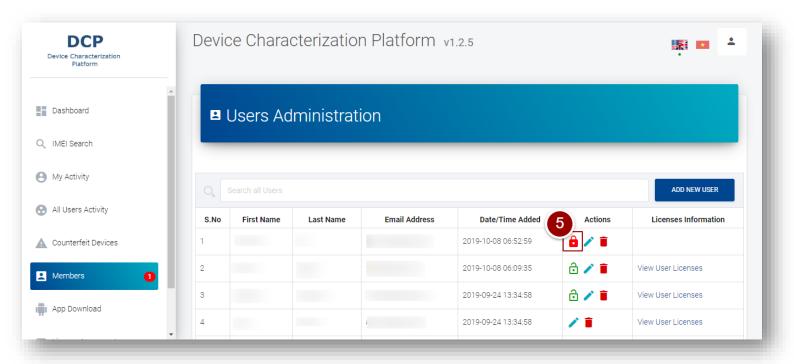


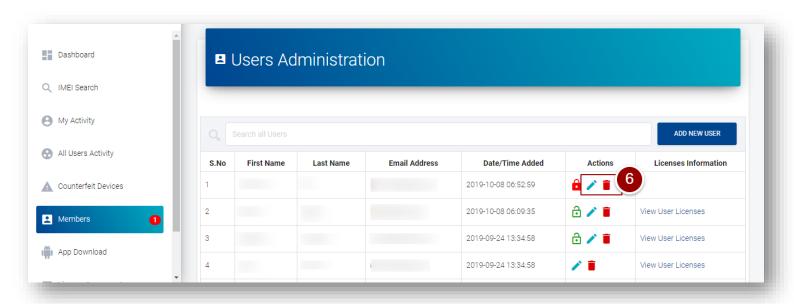
Figure 18-Add User Details

5. To approve the request of user account, click on lock icon



**Figure 19-Activate User Account** 

6. To edit information or delete the created user, click on required action button



**Figure 20-Action Buttons** 

### 3.9. App Download

- To download mobile app, click on "App download" link
   A license agreement will appear in right content area. After accepting the license agreement user will be able to download the mobile app.
- 2. To accept the license agreement, click on checkbox

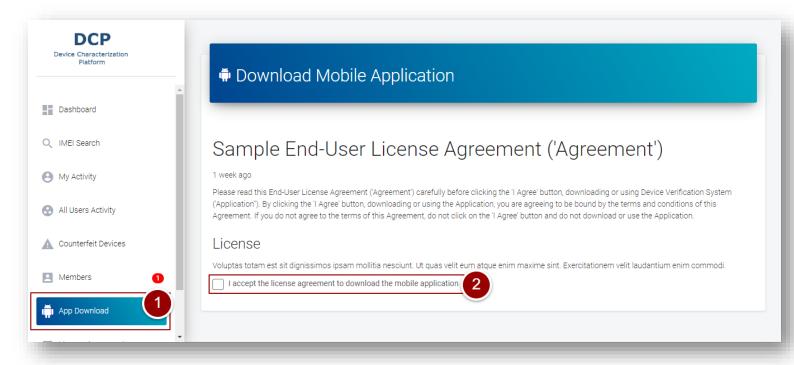


Figure 21- Download Mobile App

By clicking on checkbox, a button will appear on the page.

3. Click on "Download" button

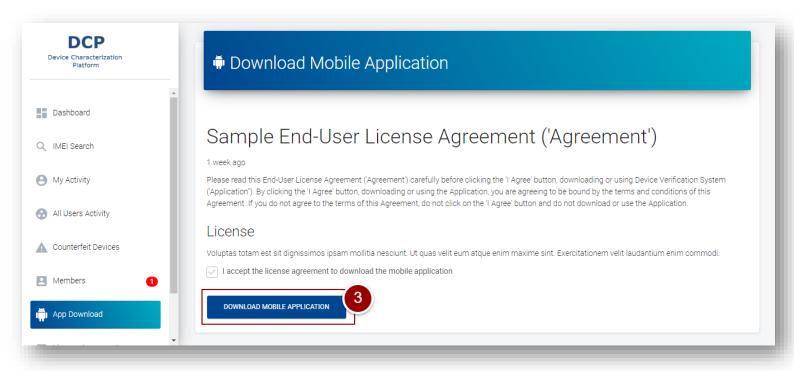


Figure 22-Download Mobile App

## 3.10. License Agreement

- To add new license, click on "License Agreement" link
   A page will appear in right content area that displays created licenses.
- 2. Click on "Add New License" button

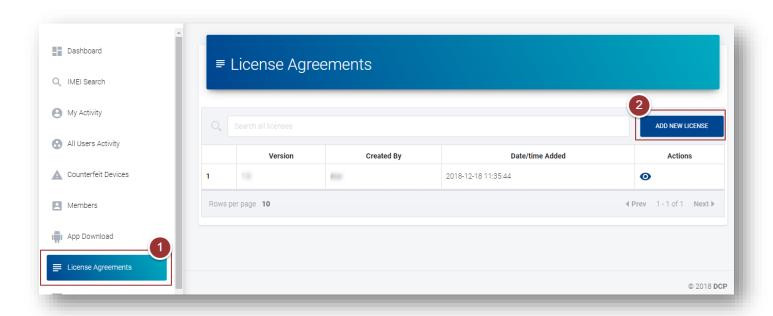
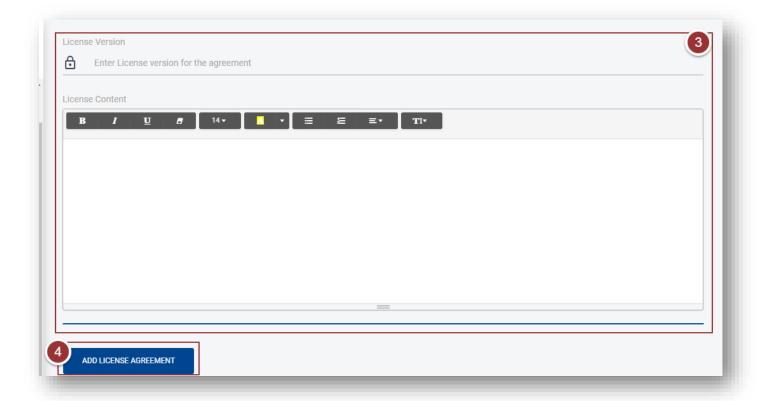


Figure 23-License Agreement

- 3. Enter the details of license (i.e. License Version, License Content) in the respective fields
- 4. Click on "Agree License Agreement" button



**Figure 24-License Agreement** 

## 3.11. System Feedbacks

To view feedback of users, click on "System Feedbacks" link
 A page will appear in right content area that displays all user's feedback.

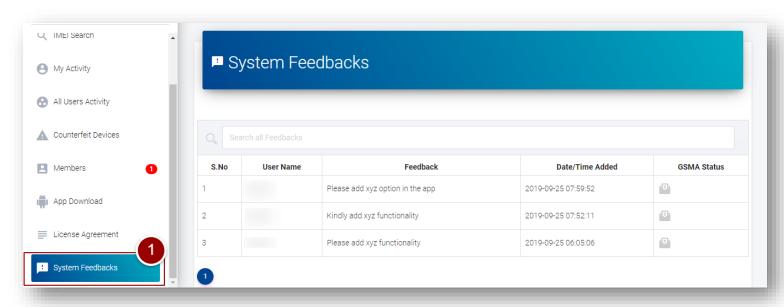


Figure 25-System Feedback