
VINCSS FIDO2 MOBILE APPLICATION

USER MANUAL

Date: 04/04/2023

Number: CSS-PRD-PQMC-USG-230404-003

Version: 2.0

Document type: Public document

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VERSION TRACKING

Version	Date	Writer	Department	Contact	Note
2.0	04/04/2023		Production department, VinCSS		Update the function of PIN Settings for Android operating system and the interface when registering/login



TABLE OF CONTENTS

VERSION TRACKING	2
TABLE OF CONTENTS	3
I. IOS	5
I.1. Install the VinCSS FIDO2 application	5
I.2. VinCSS FIDO2 application on iOS.....	6
I.2.1. <i>Menu bar</i>	6
I.2.2. <i>QR Code</i>	8
I.2.2.1. Register the security key.....	8
I.2.2.2. Login to the system.....	11
I.2.2.2.1. <i>Passwordless authentication</i>	11
I.2.2.2.2. <i>Usernameless authentication</i>	12
I.2.3. <i>Bluetooth</i>	14
I.2.3.1. Connect the mobile to the computer via Bluetooth	14
I.2.3.2. Register the security key.....	17
I.2.3.3. Log in the system.....	20
I.2.3.3.1. <i>Passwordless authentication</i>	20
I.2.3.3.2. <i>Usernameless authentication</i>	21
II. ANDROID	24
II.1. Install the VinCSS FIDO2 application.	24
II.1.1. <i>Fingerprint setting</i>	25
II.1.2. <i>PIN setting</i>	28
II.2. VinCSS FIDO2 application on Android.....	29
II.2.1. <i>Menu bar</i>	29
II.2.2. <i>PIN code setting</i>	32
II.2.2.1. Set up a PIN when the device has not set up a fingerprint	32
II.2.2.2. Set up a PIN when the device has set up biometrics	33
II.2.3. <i>QR Code</i>	36
II.2.3.1. Register the security key.....	36
II.2.3.2. Log in the system.....	38
II.2.3.2.1. <i>Passwordless authentication</i>	39
II.2.3.2.2. <i>Usernameless authentication</i>	39
II.2.4. <i>Bluetooth</i>	42

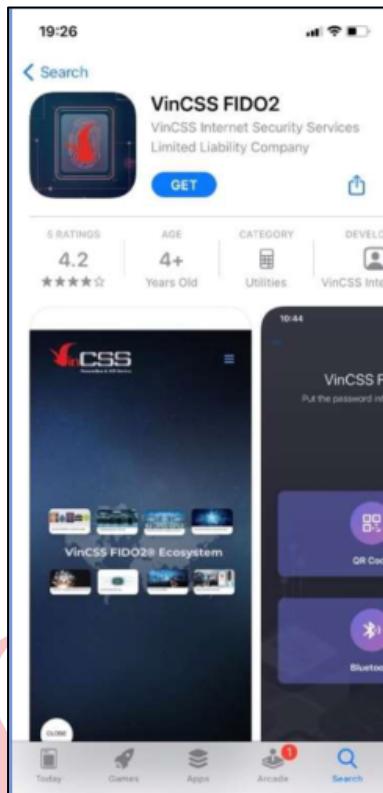
II.2.4.1. Connect the mobile to the computer via Bluetooth	42
II.2.4.2. Register the security key.....	45
II.2.4.3. Log in the system.....	47
II.2.4.3.1. <i>Passwordless authentication</i>	47
II.2.4.3.2. <i>Usernameless authentication</i>	48
REFERENCES	50



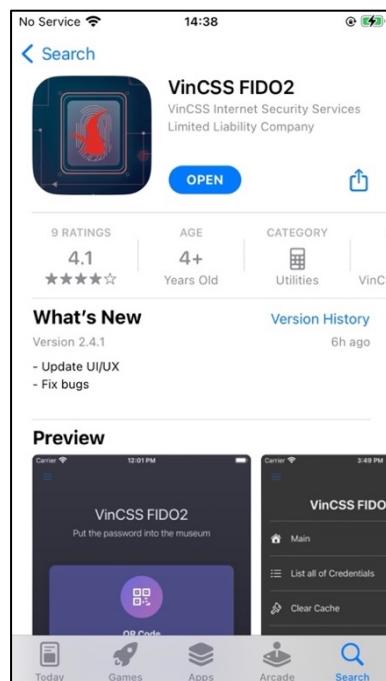
I. IOS

I.1. Install the VinCSS FIDO2 application

- Search for the keyword “VinCSS FIDO2” on App Store, select **Get** to install.



- After VinCSS FIDO2 is successfully installed, click **Open** to access.

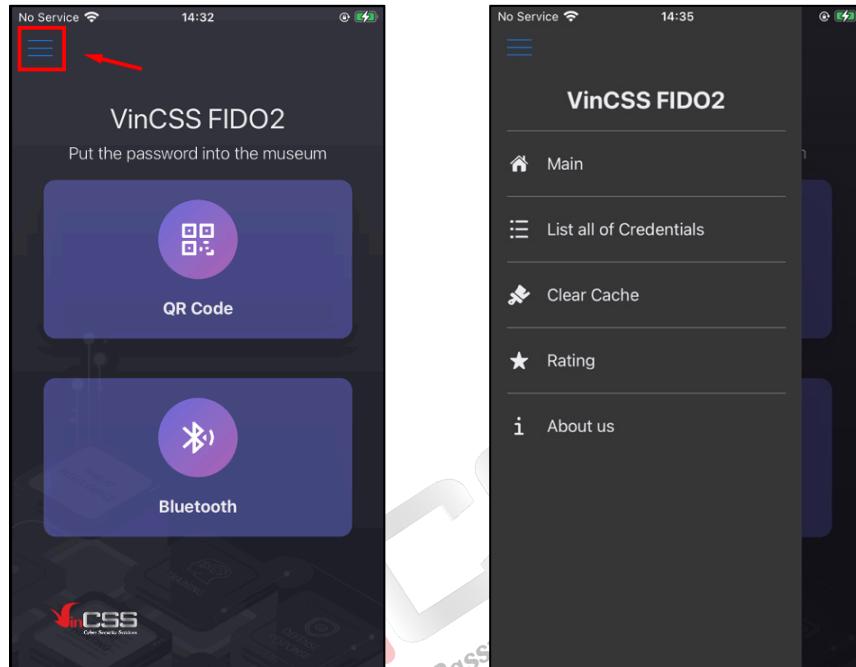


I.2. VinCSS FIDO2 application on iOS

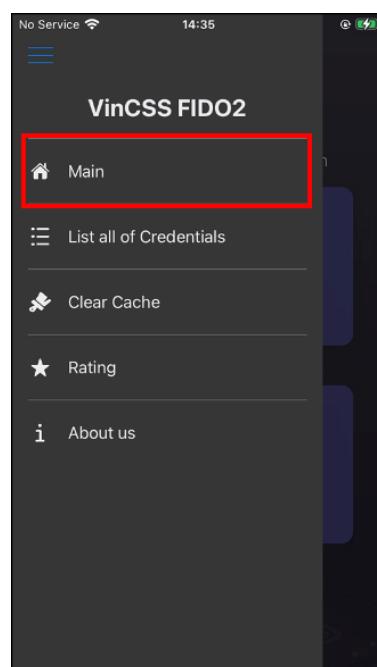
VinCSS FIDO2 application interface on iOS displays main functions: Menu bar, QR Code, Bluetooth.

I.2.1. Menu bar

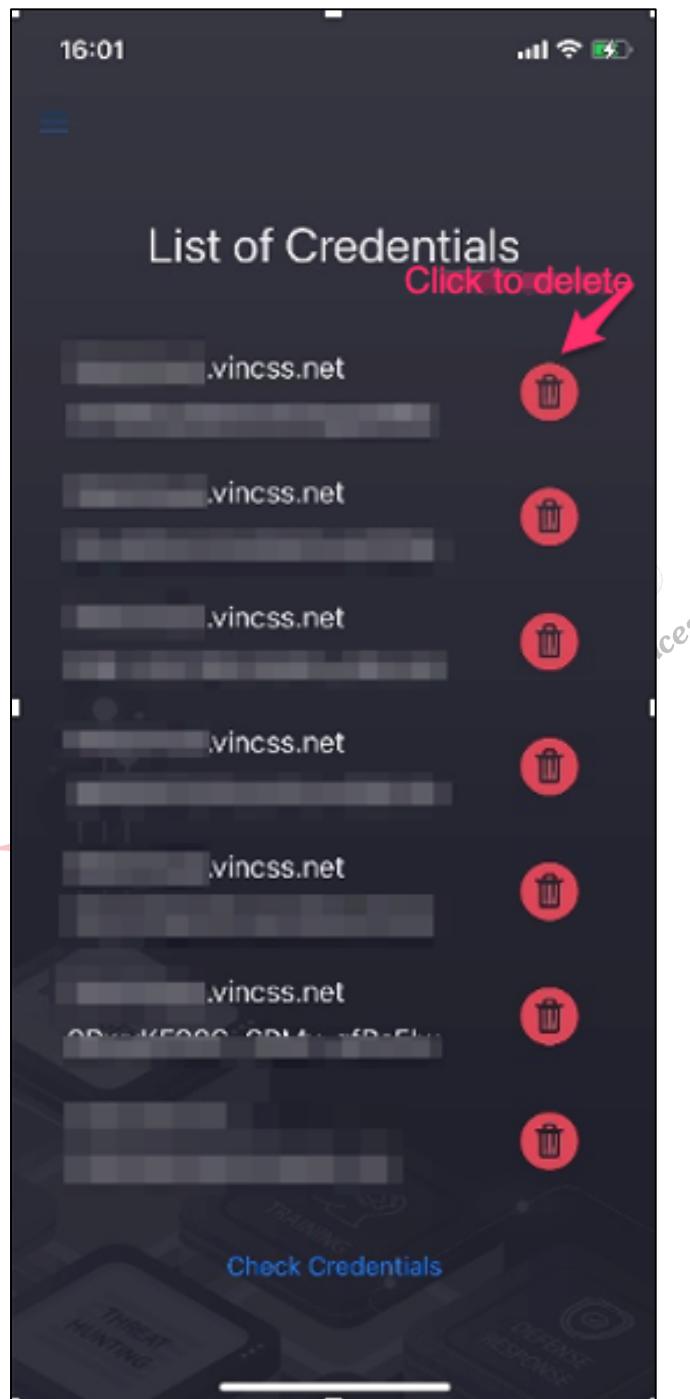
- Click on the **Menu** icon in the application (*marked in red under the picture*).



- The menu includes:
 - o **Main**: click to return the main screen.



- **List all credentials:** list of security keys registered with applications for the passwordless authentication. To delete the registered key, press  icon on the right.

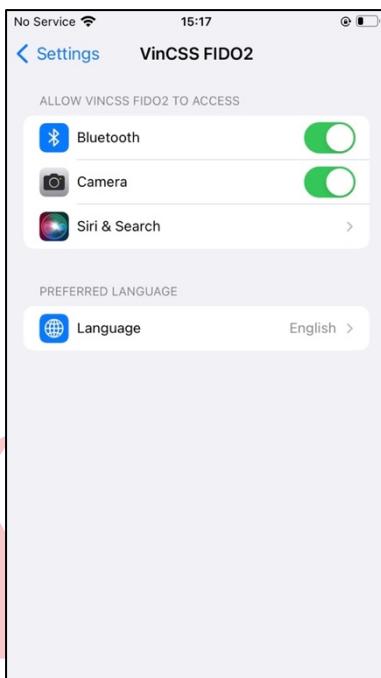


- **Clear Cache:** allow user to delete application Cache and Cookies.
- **Rating:** rate VinCSS FIDO2 application on App Store.
- **About us:** redirect to <https://vincss.net> for information about VinCSS Internet Security Services Co., Jsc.

I.2.2. QR Code

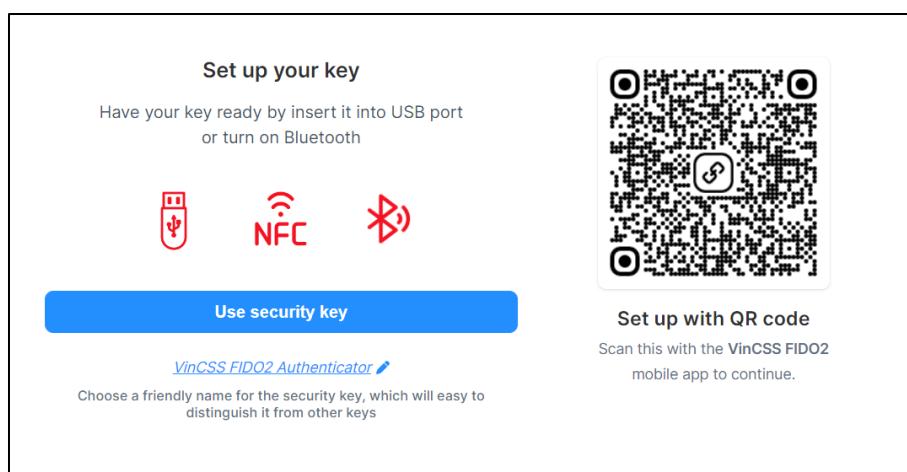
- The QR Code function is used to register the security key and log in the system via the QR Code scanning method.

Note: To use the QR Code scanning function by VinCSS FIDO2 application, the mobile needs to grant the camera access to the application and must enable FaceID/TouchID unlock function. Access to **Settings > VinCSS FIDO2** to allow using Camera and FaceID/TouchID function for VinCSS FIDO2 application (For devices without FaceID, user skips this step).

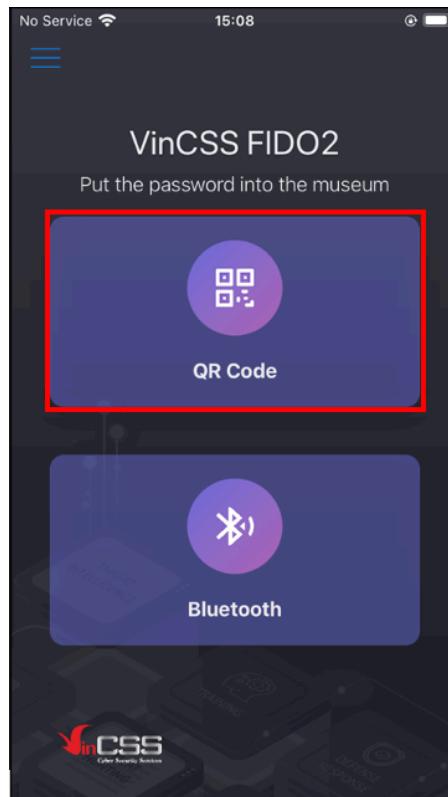


I.2.2.1. Register the security key

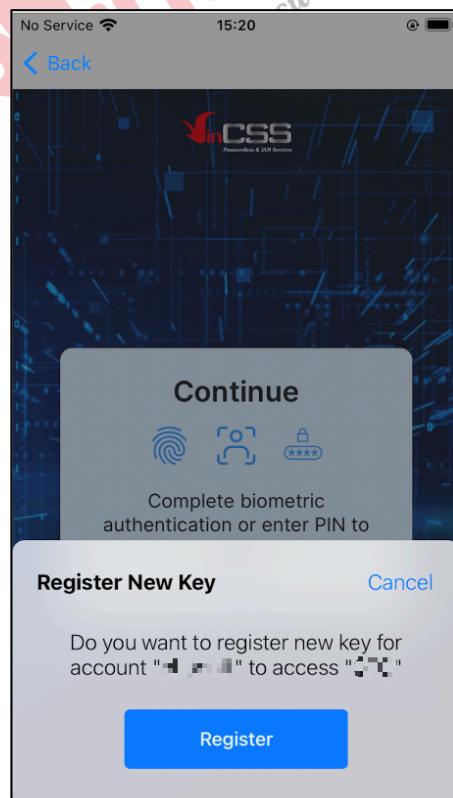
- Contact administrator to get the QR Code through a link sent to user via email or IM (*valid for 1 hour*). The key registration screen is displayed as shown below.



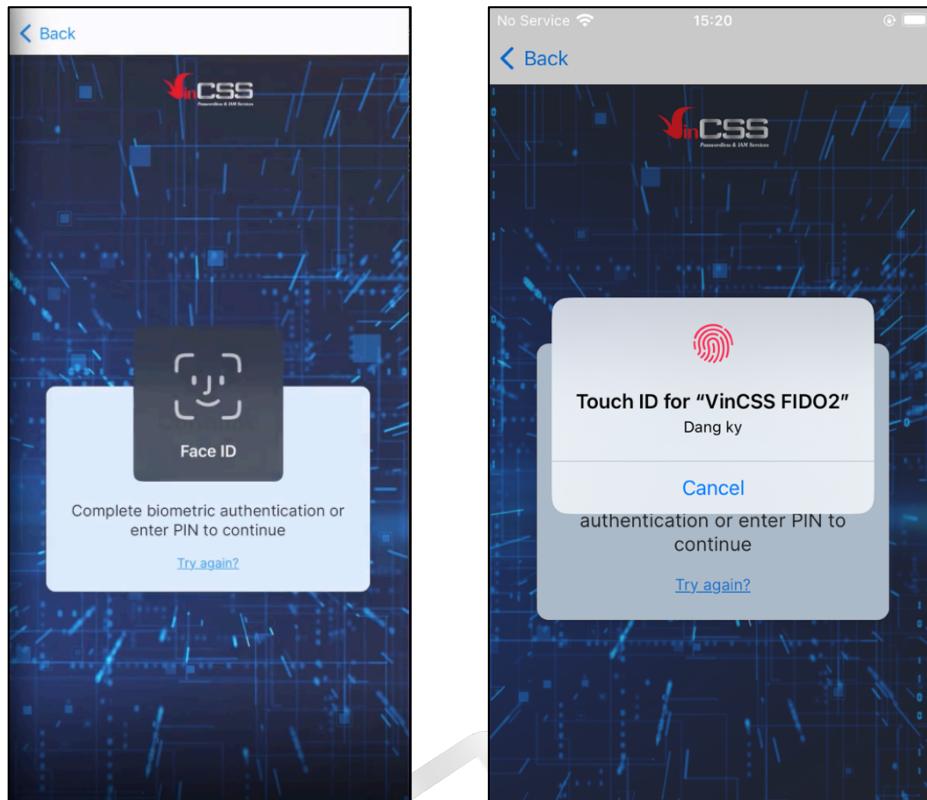
- Click on the **QR Code** function to scan the QR code similar to the picture above.



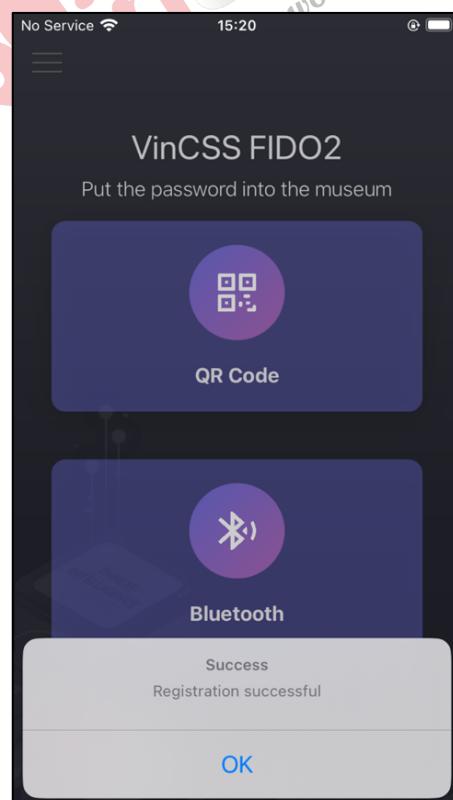
- After scanning the QR Code, the screen would displays confirmation of key registration. Click **Register**.



- Then scan the FaceID/TouchID on the phone (*depends on mobile configuration*) to confirm.



- The screen displays a notification of key registered successfully. Click **OK**.



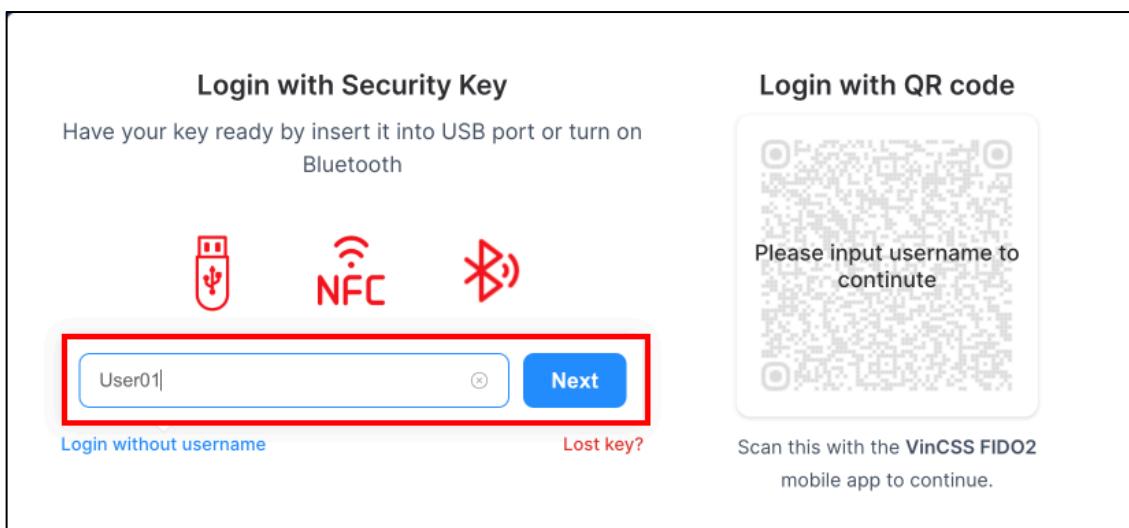
I.2.2.2. Login to the system

- Register the security key using VinCSS FIDO2 application via QR code according to the instructions in section **I.2.2.1**

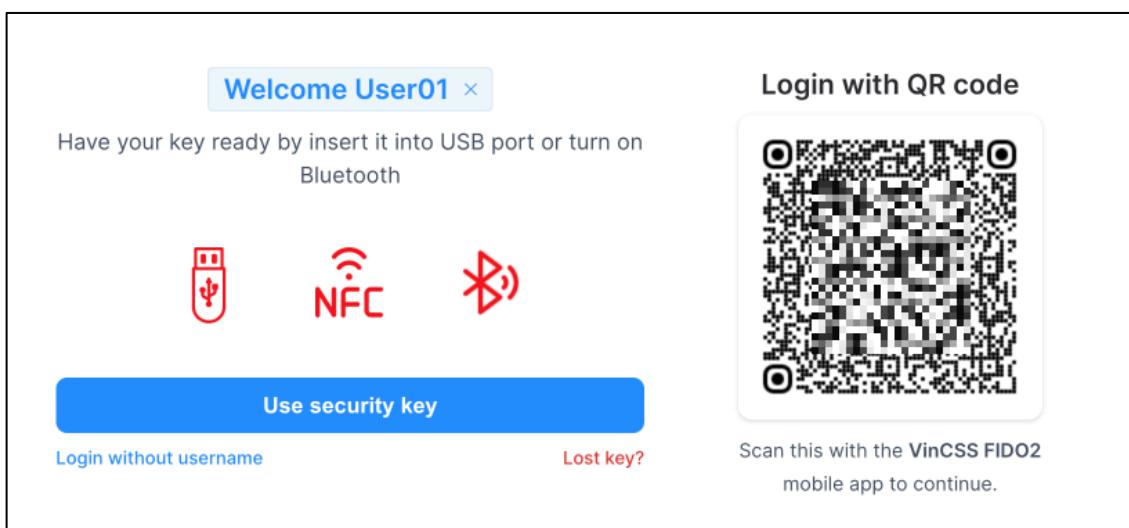
Notice: By default, administrator will send a registration link for the new security key, which is then able to be used with all login forms after the successful registration. (The form of Passwordless authentication (Refer to Section I.2.2.2.1.) and the form of Usernameless authentication (Refer to Section I.2.2.2.2.)).

I.2.2.2.1. Passwordless authentication

- To access the system with FIDO2 passwordless login by QR Code scanning, enter the **username (case insensitive)** and click **Next**.

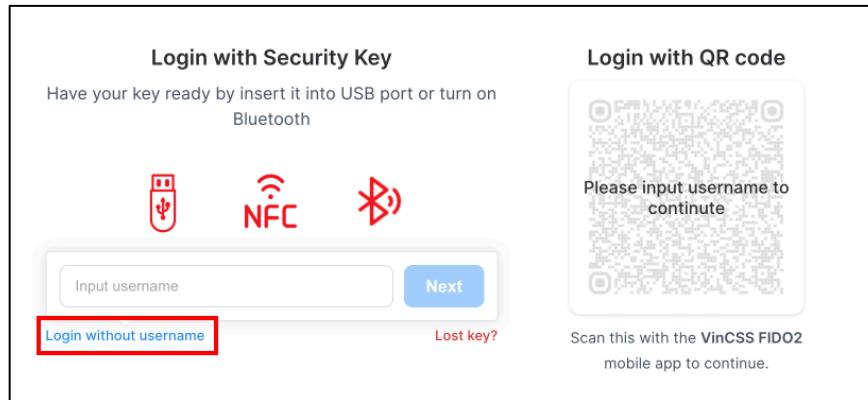


- The QR Code will be displayed on the screen as below.

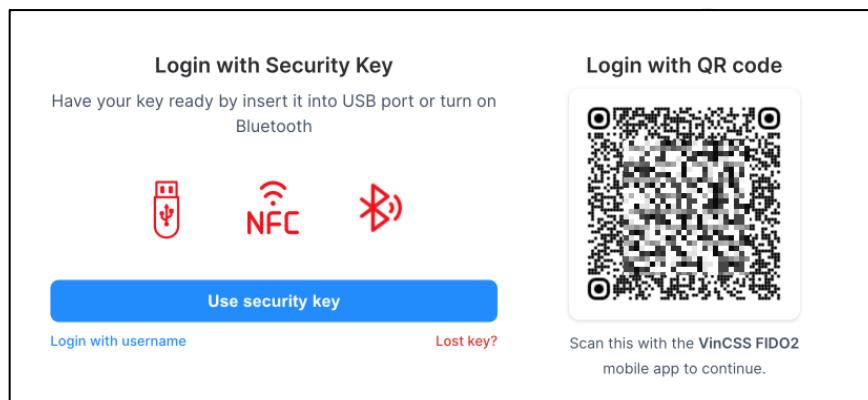


I.2.2.2.2. Usernameless authentication

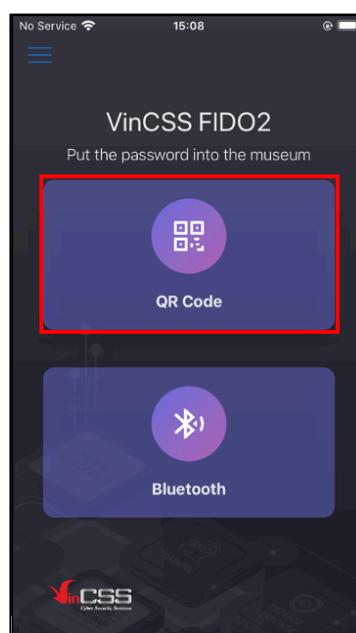
- User can choose a different login method by clicking “**Login without username**” instead of entering **Username**.



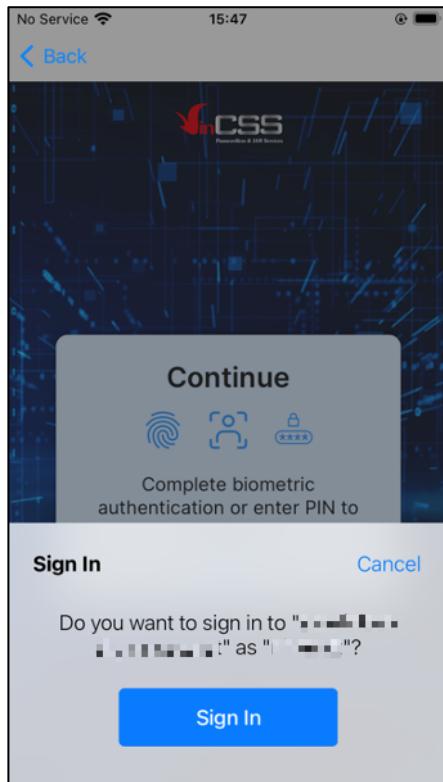
- The QR Code will be displayed on the screen as below.



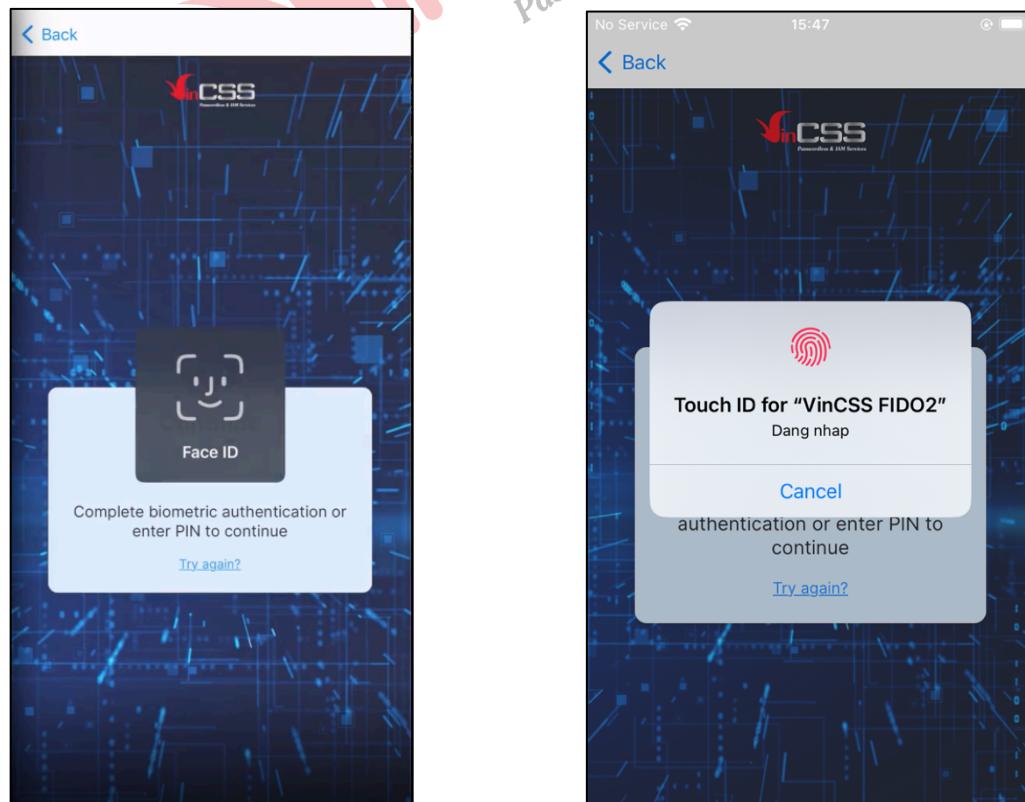
- Click on the **QR Code** icon on the VinCSS FIDO2 mobile application and scan the provided QR Code.



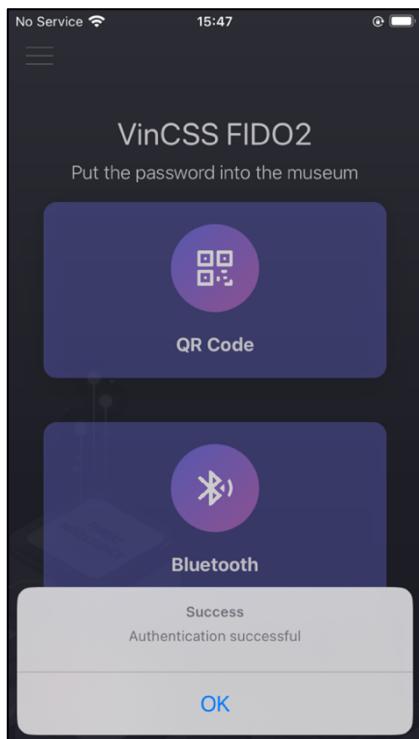
- After scanning the QR code, the application interface displays key confirmation information as shown below. Click **Sign in**.



- Perform FaceID/TouchID authentication on the phone (*depends on mobile configuration*).



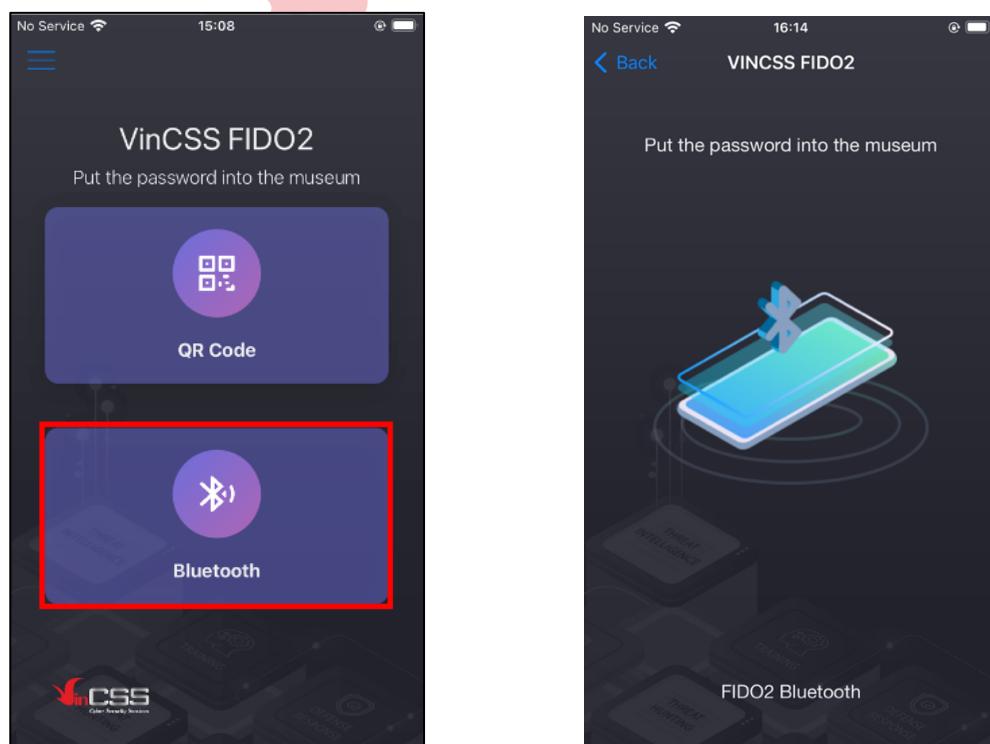
- Successful authentication message will be displayed as below. Click **OK** to finish.



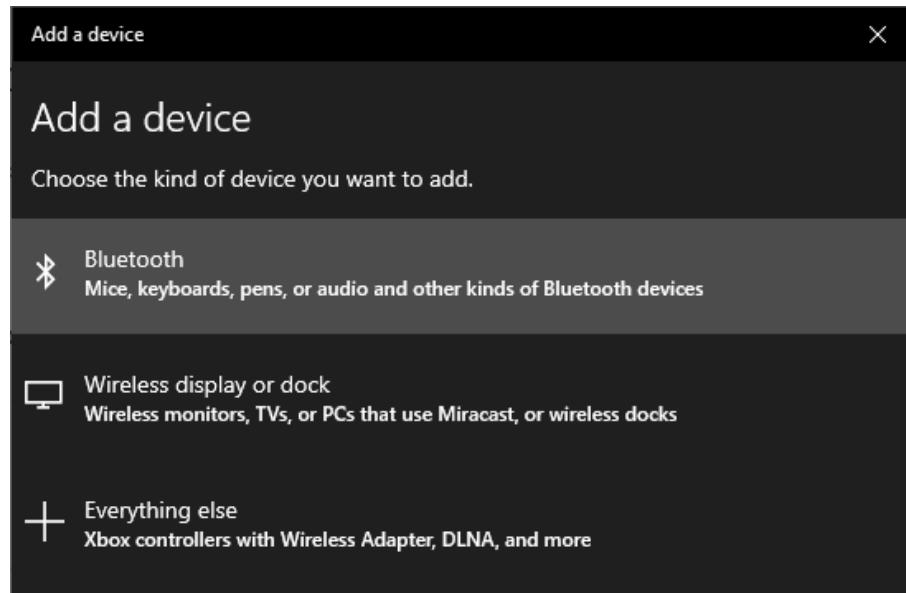
I.2.3. Bluetooth

I.2.3.1. Connect the mobile to the computer via Bluetooth

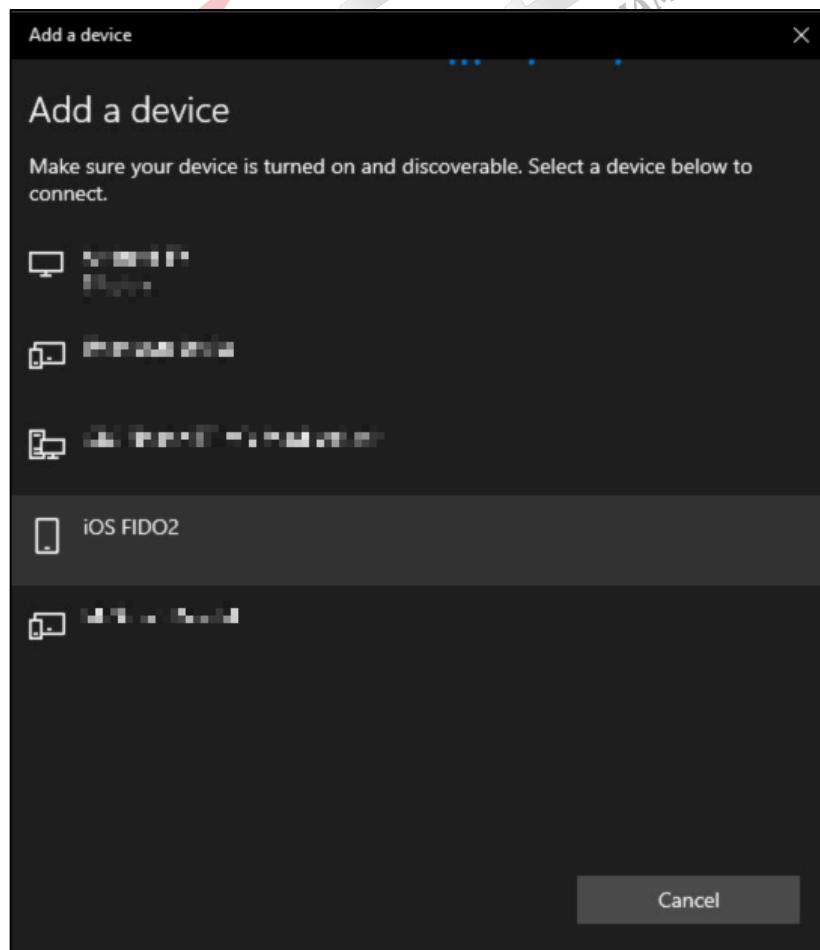
- Open VinCSS FIDO2 mobile application, then select **Bluetooth**.



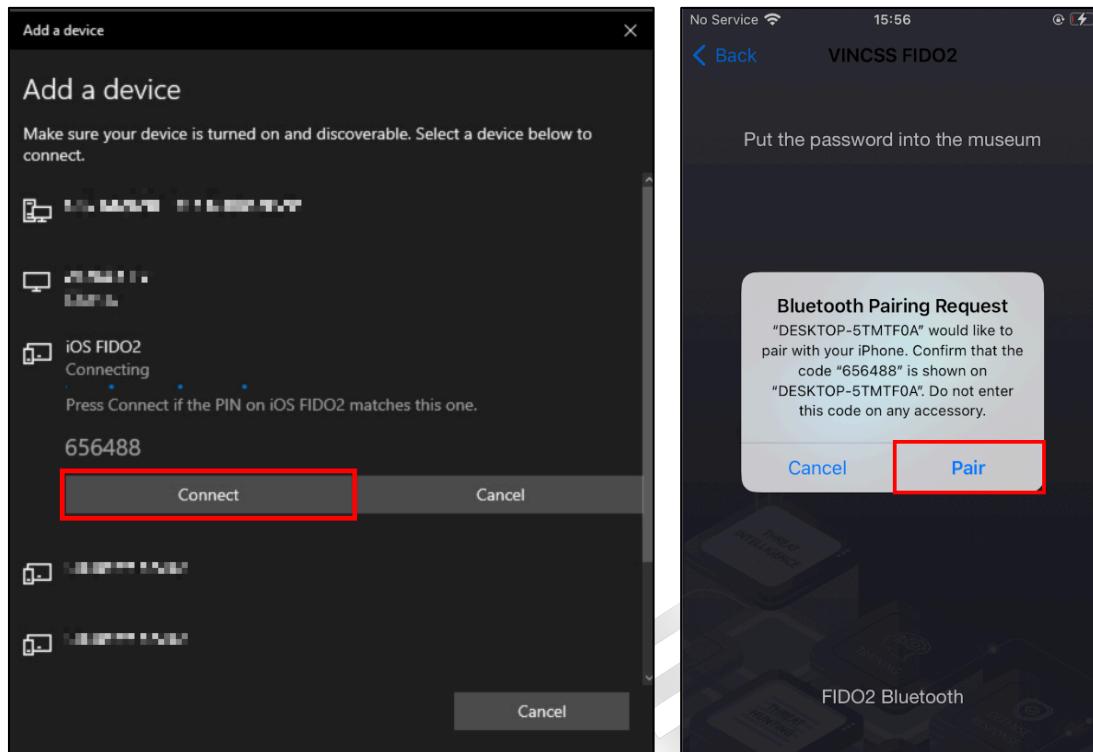
- Select **Settings > Devices > Bluetooth & other devices > Add Bluetooth or other devices** on the computer. The **Add a device** dialog box appears, select **Bluetooth**.



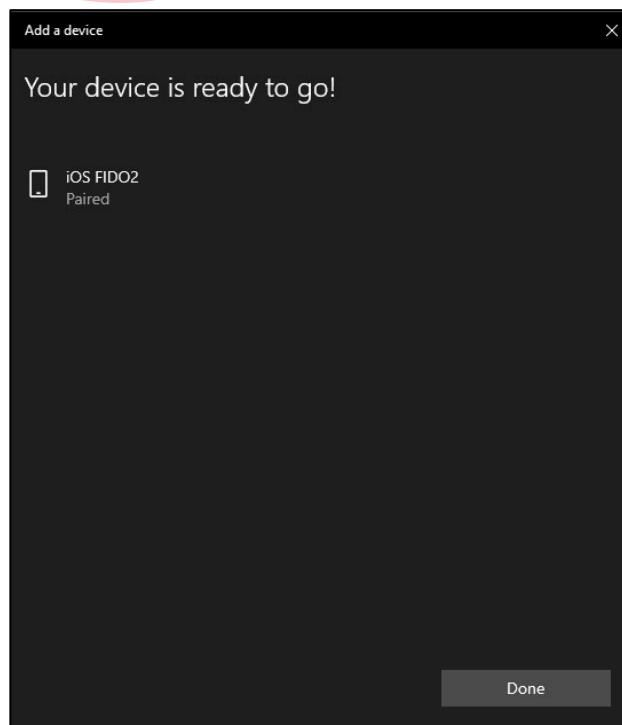
- Select the device that needs to pair with the computer (*Default is iOS FIDO2*).



- On the mobile and computer will display the state of pairing. Check the PIN Code, click **Connect** on the computer and click **Pair** on the mobile for device pairing.



- The pairing process is successful, the paired device information is displayed on the computer. Click **Done** to complete the Bluetooth connection process .

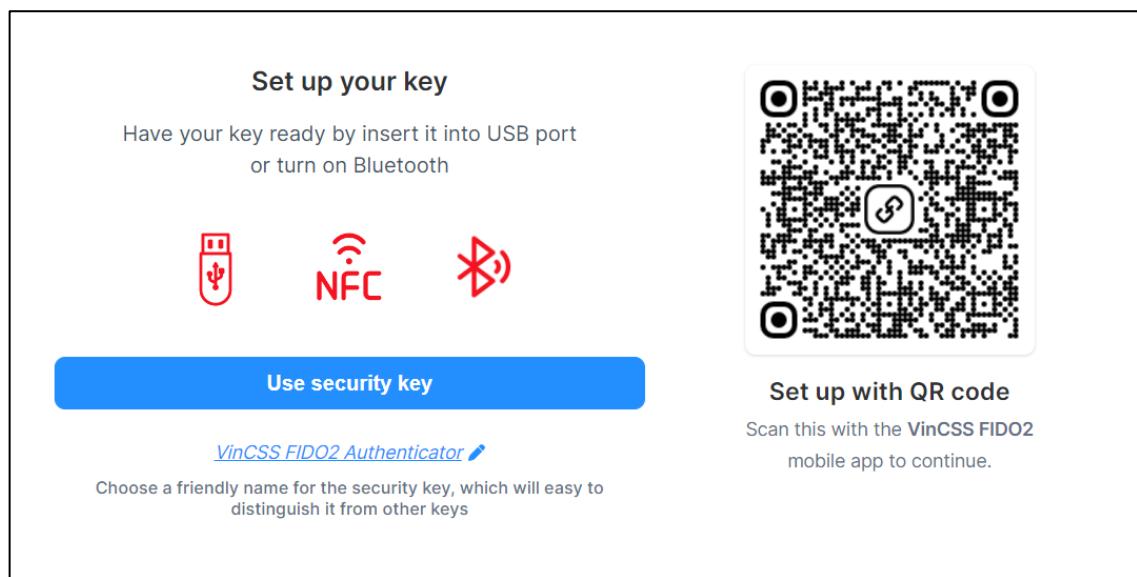


I.2.3.2. Register the security key

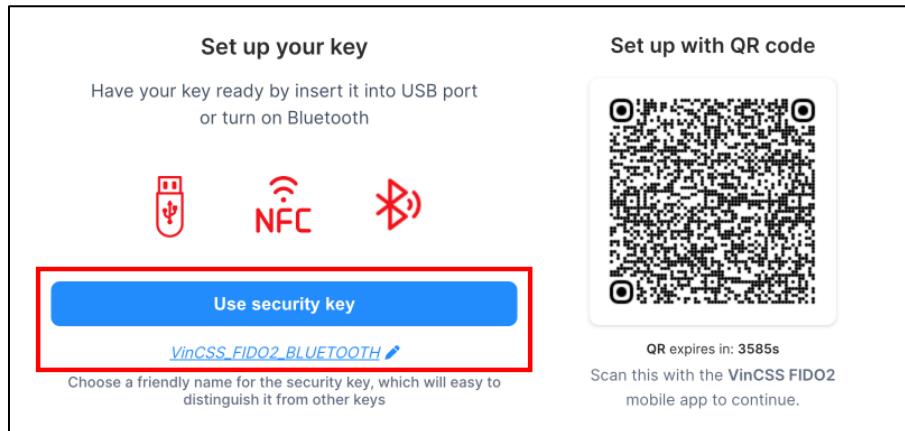
- Connect mobile to the computer via Bluetooth according to the section **I.2.3.1.**
- Open VinCSS FIDO2 mobile application, then select **Bluetooth**.



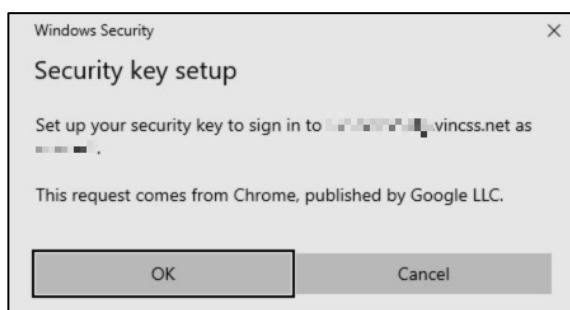
- Contact administrator to get the QR Code through a link sent to user via email or IM (*valid for 1 hour*). The key registration screen is displayed as shown below.



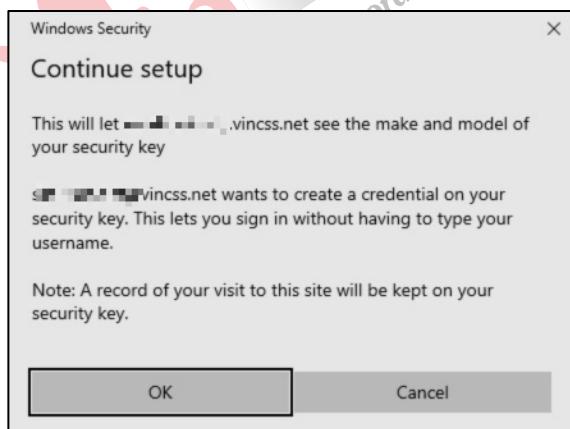
- Enter the name of key and click **Use security key**.



- Click **OK** to continue the security key registration.



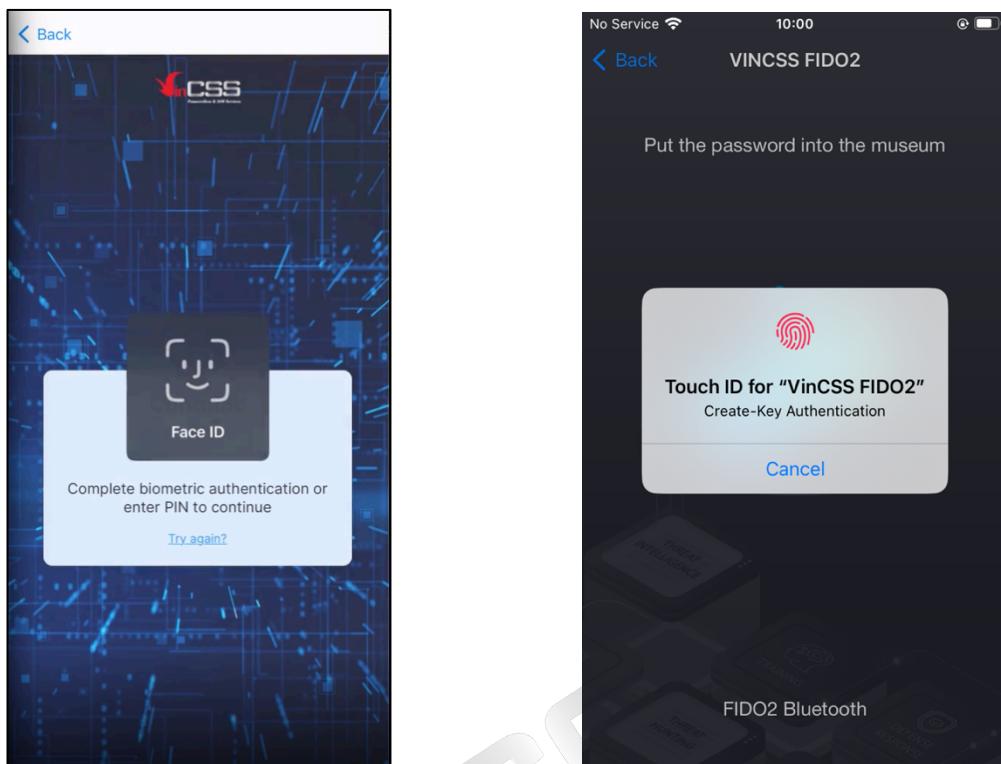
- Click **OK** to continue.



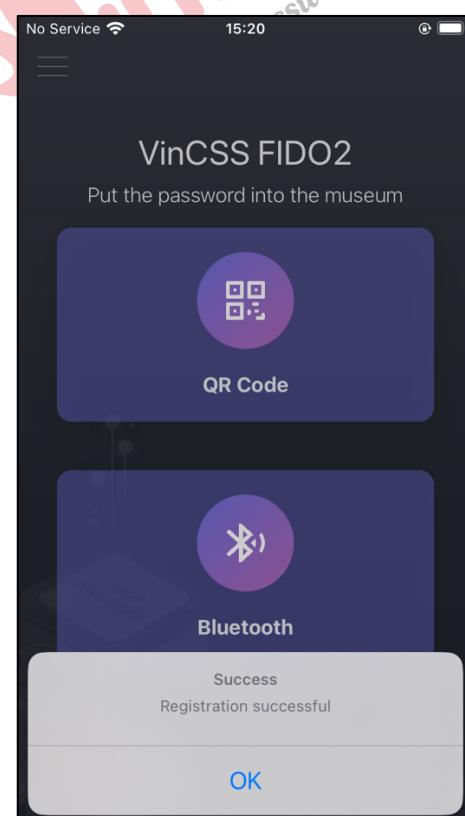
- Authenticate on the phone when computer shows the message as below:



- Use TouchID/FaceID function (*depends on mobile configuration*) to authenticate.



- A message will be displayed on the screen to confirm the successful registration. Click **OK** to complete the registration process.



I.2.3.3. Log in the system

- Connect the mobile to the computer via Bluetooth according to the section **I.2.3.1.**
- Register the security key using VinCSS FIDO2 application via Bluetooth according to the instructions in section **I.2.3.2.**

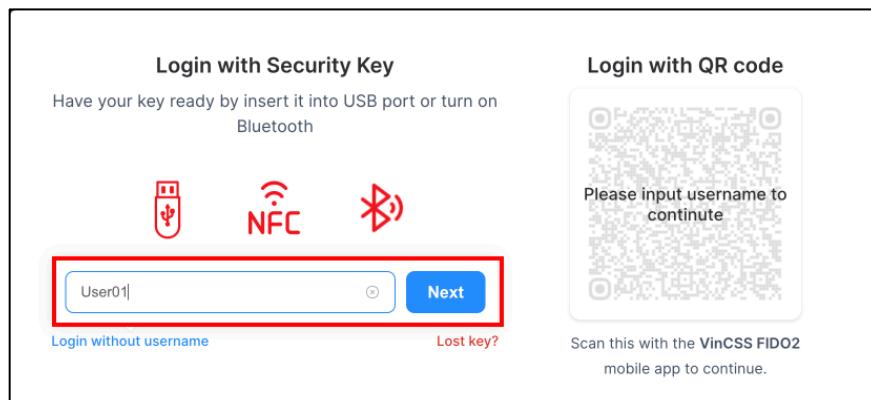
Notice: By default, administrator will send a registration link for the new security key, which is then able to be used with all login forms after the successful registration. (The form of passwordless authentication (refer to section **I.2.3.3.1.**) and the form of usernameless authentication (refer to section **I.2.3.3.2.**)).

- Open VinCSS FIDO2 mobile application, then select **Bluetooth**.

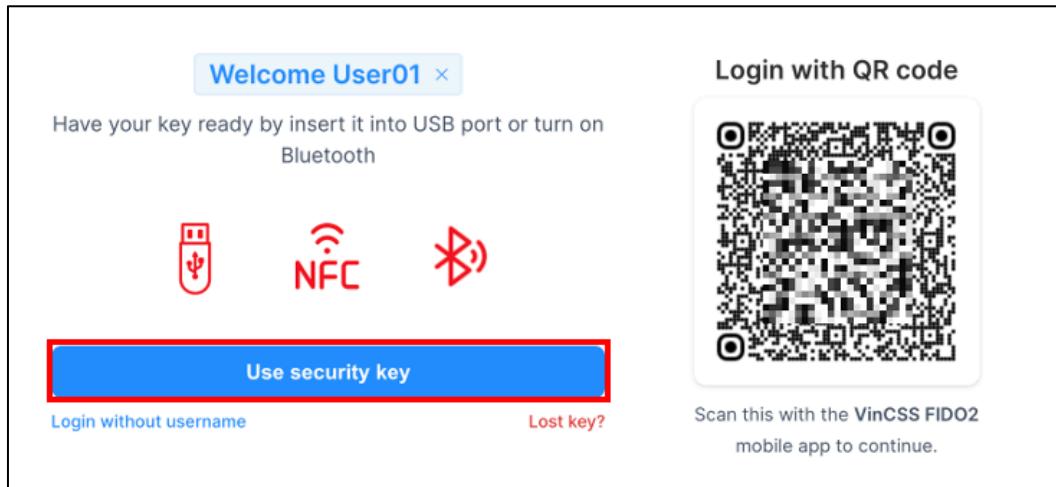


I.2.3.3.1. Passwordless authentication

- For applications that integrate FIDO2 passwordless authentication, on the login screen, enter **username** (*case insensitive*), then select **Next**.

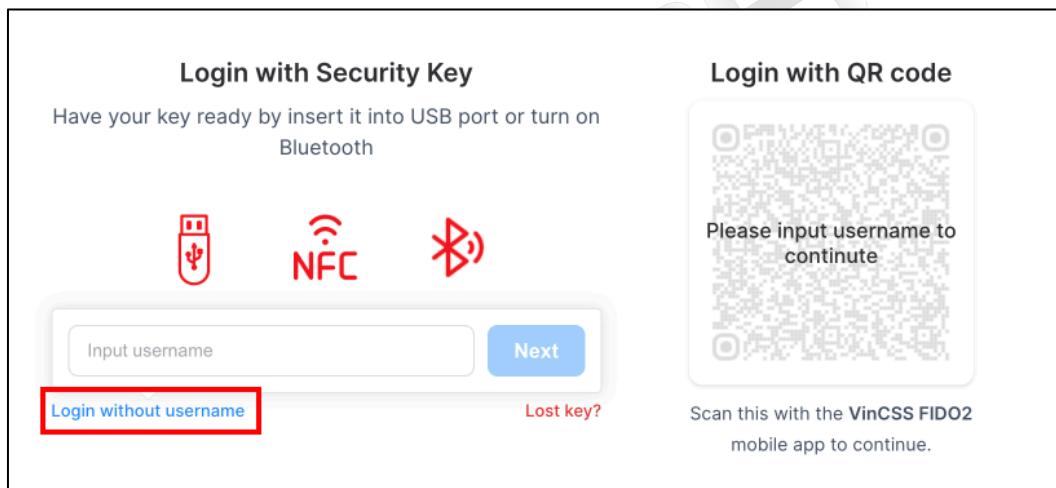


- The screen displays the interface as shown below, select **Use security key**.

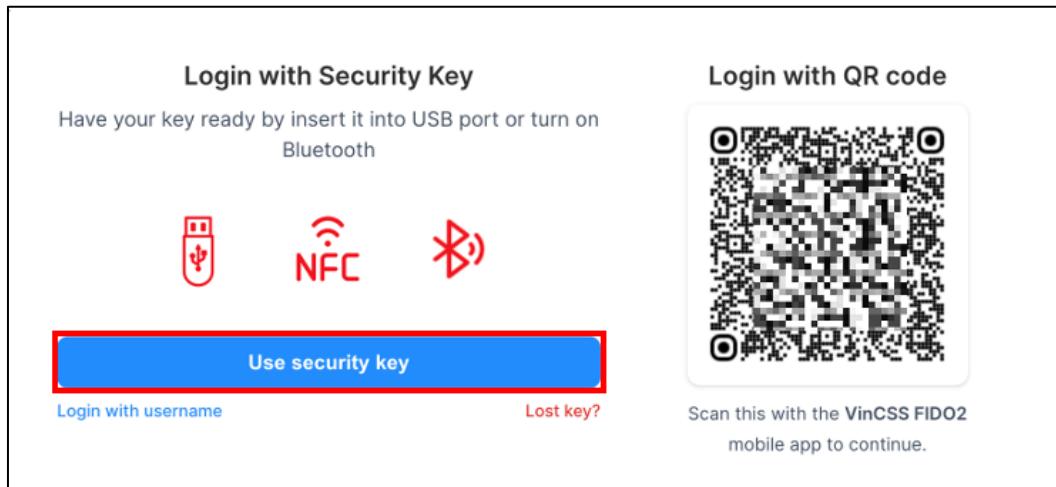


I.2.3.3.2. Usernameless authentication

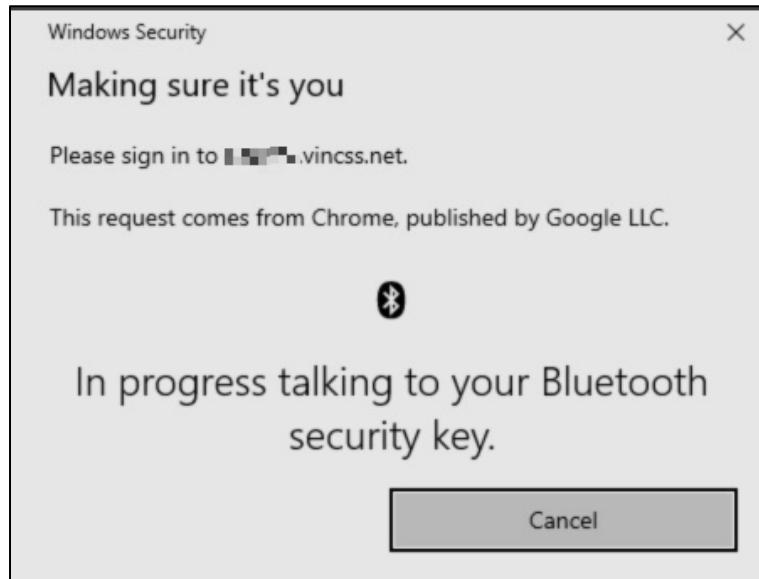
- User can choose another login method by clicking "**Login without username**" instead of entering **username**.



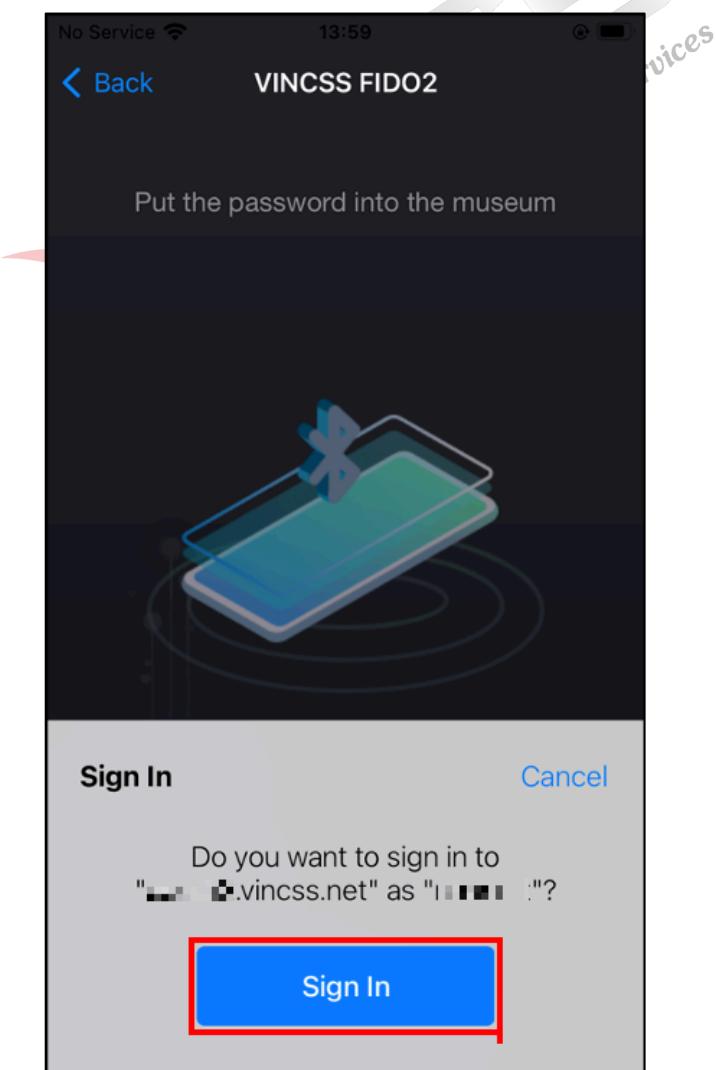
- The screen displays the interface as shown below, select **Use security key**.



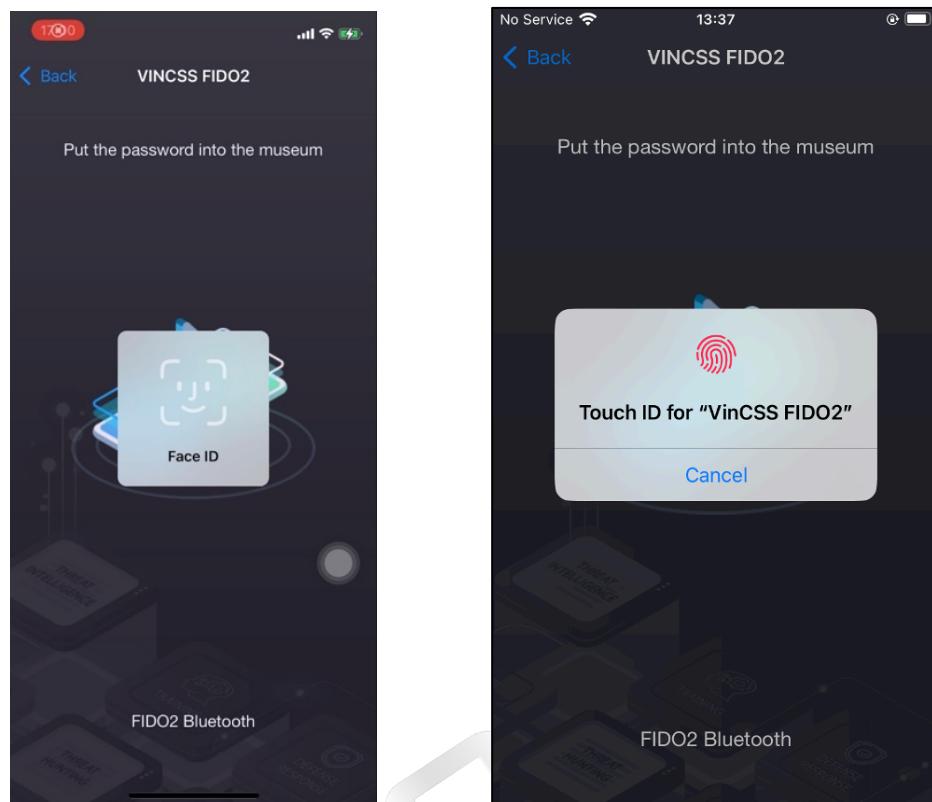
- Authenticate on the phone when computer shows the message as below.



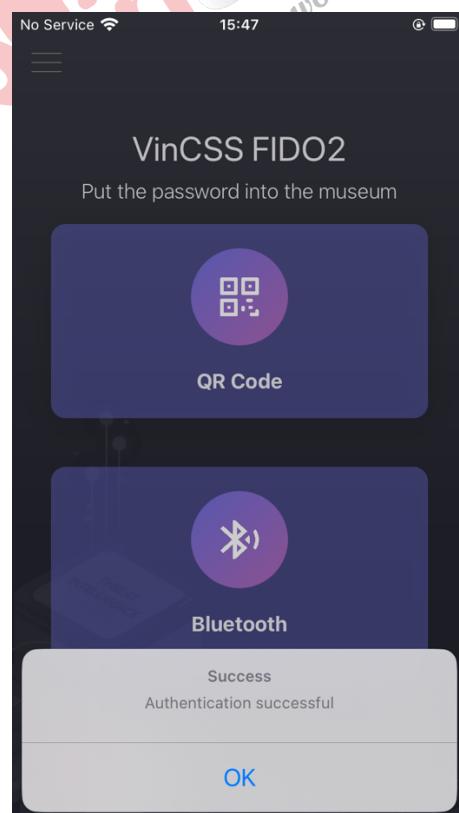
- The application interface displays key confirmation information as shown below. Click **Sign in**.



- Use TouchID/FaceID function (*depends on mobile configuration*) to complete the login process.



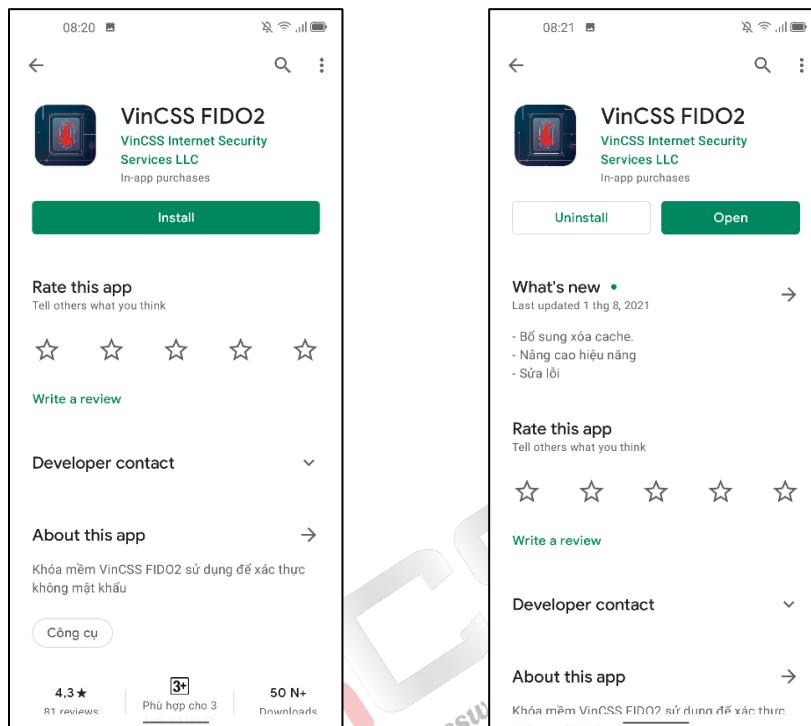
- Logged in successfully. Click **OK** to complete the login process



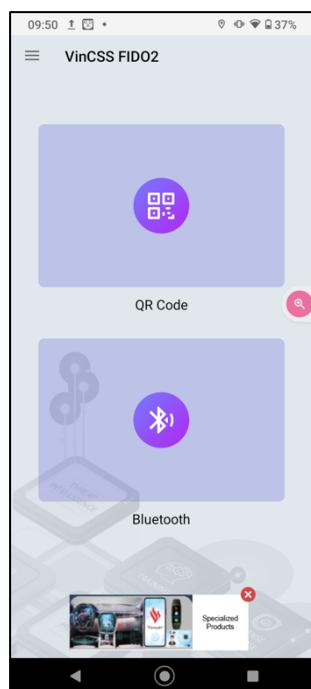
II. ANDROID

II.1. Install the VinCSS FIDO2 application.

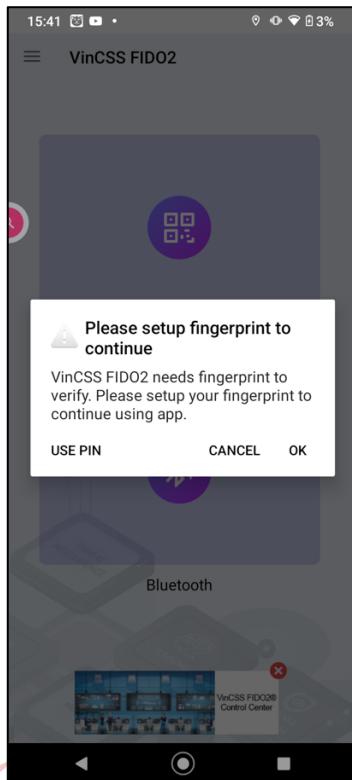
- Search for the keyword **VinCSS FIDO2** on Play Store, click **Install** to set up the application. After the application is successfully installed, click **Open** to access.



- On the screen is the main interface of the application (*If your phone has a fingerprint set up before*).

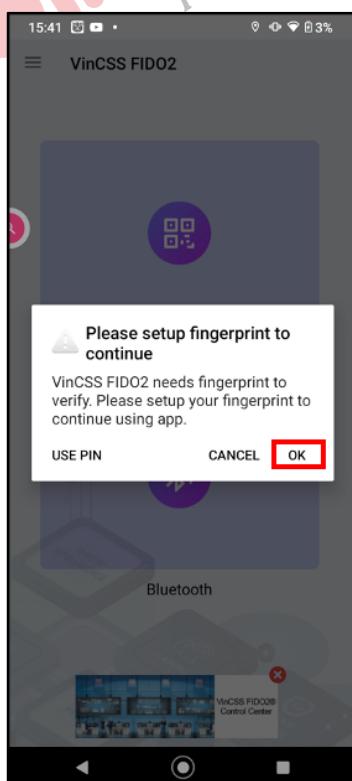


- If the phone has not been set up fingerprint before, the screen would display a message as shown below.



II.1.1. Fingerprint setting

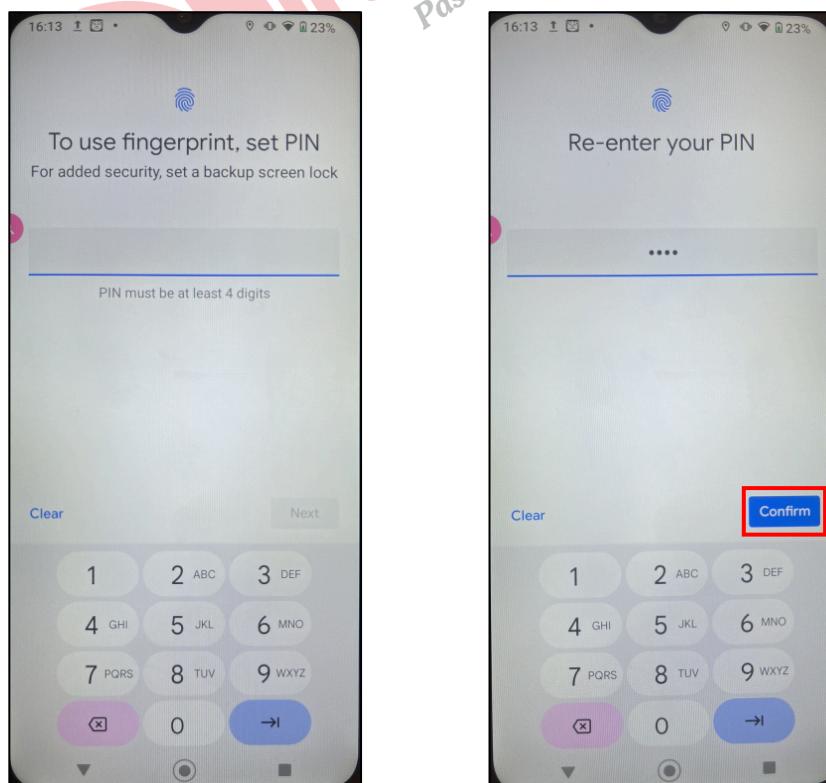
- Click **OK** to set up fingerprint.



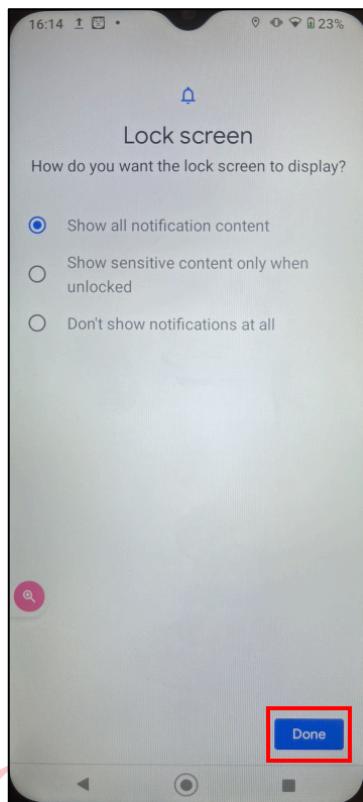
- Choose one of three screen lock methods for the device as shown below (*For example, choose Fingerprint + PIN*).



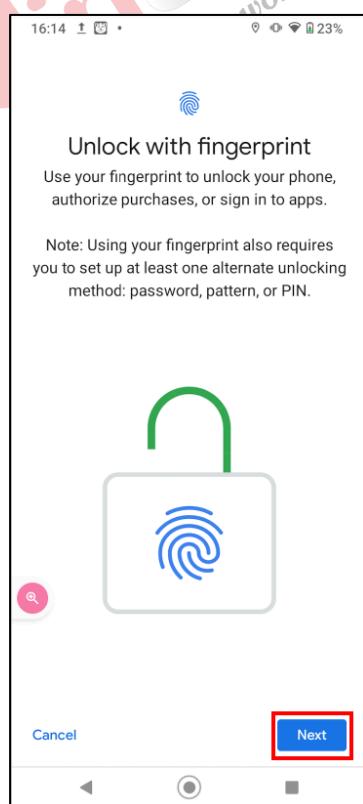
- Enter the PIN the user set up for the device. Then re-enter the PIN and press **Confirm**.



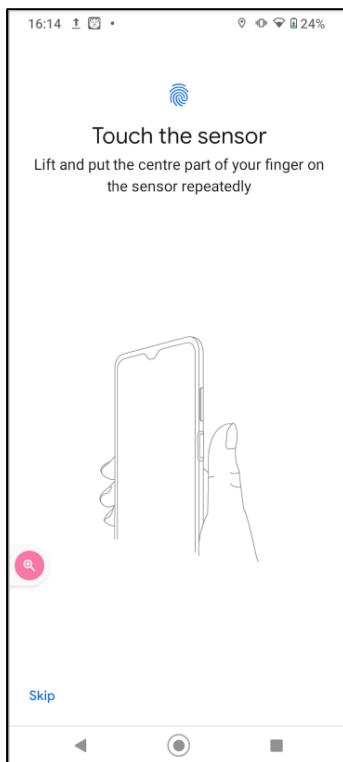
- Select the method to receive notifications when setting the screen lock as shown below and then press **Done**.



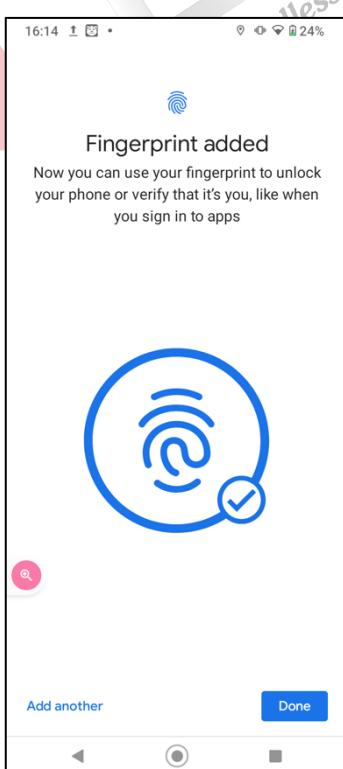
- Set up fingerprint by clicking **Next**.



- Touch the sensor on the device several times for the device to recognize the fingerprint.



- Fingerprint setup is successful, press **Done** to return to the main screen



II.1.2. PIN setting

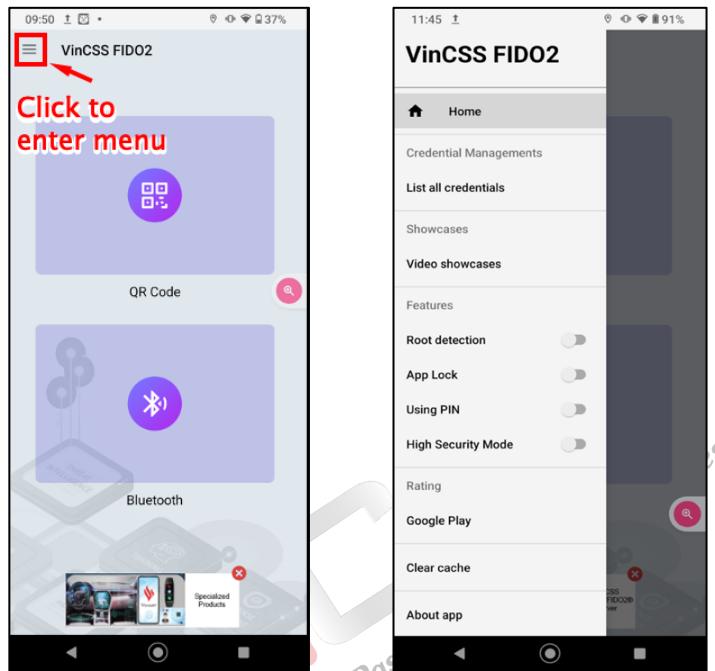
- Refer to the instructions for setting up the PIN code in section **II.2.2.1**.

II.2. VinCSS FIDO2 application on Android

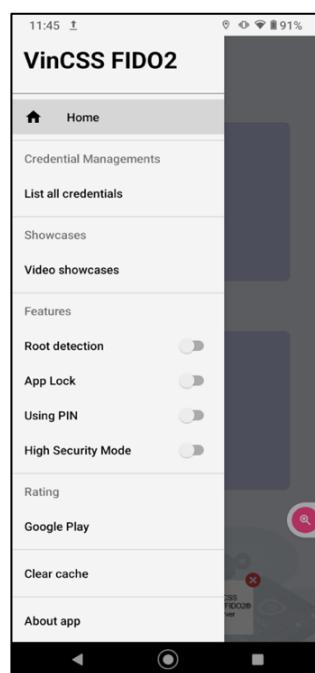
The interface of VinCSS FIDO2 application on Android will show main functions: Menu bar, PIN code setting, QR Code, Bluetooth.

II.2.1. Menu bar

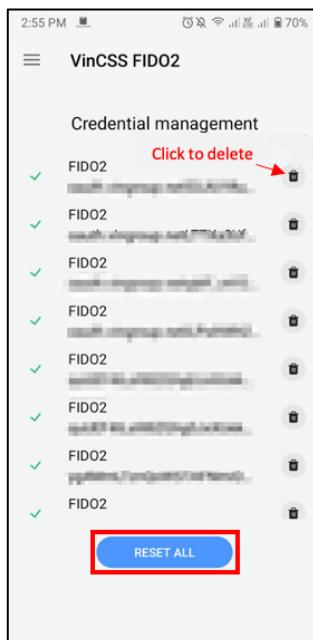
- On the application interface, click on the **Menu** bar (*red circle marked as below*).



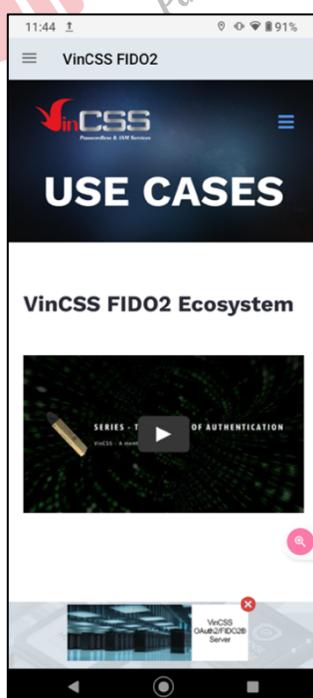
- The displayed information includes:
 - o **Main:** click to return the main screen.



- **List all credentials:** list of security keys registered with applications for the passwordless authentication. To delete the registered key, click the trash can icon on the right. Or you can choose **RESET ALL** to delete all registered keys.

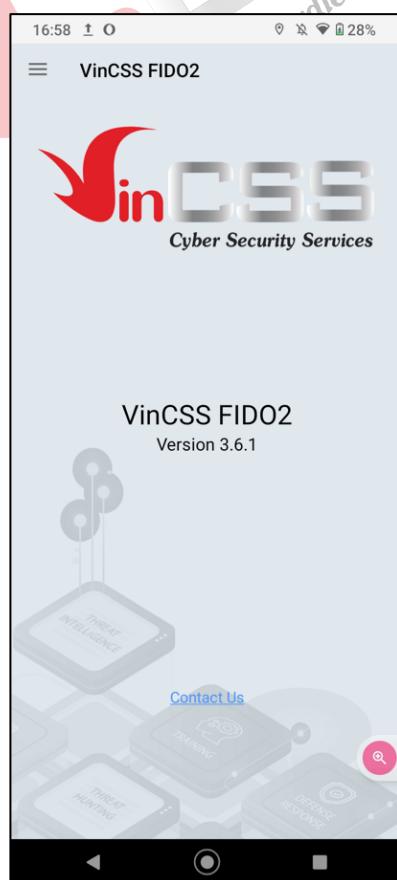


- **Video showcases:** display information about VinCSS FIDO2 ecosystem, video instructions for using VinCSS products in each specific case .



- **Root detection:** When this feature is enabled, users will be warned by the application when it detects that the device is not secure (*rooted*).

- **App Lock:** enable this feature to require authentication every time you open the VinCSS FIDO2 application. Before enabling this feature, your phone needs to set up fingerprint or face unlock.
- **Using PIN:** enabling this feature allows users to use a PIN code instead of biometrics during registration/use of a security key with the VinCSS FIDO2 application (*this PIN is different from the PIN set up to unlock the phone*).
- **High Security Mode:** Enabling this feature only allows users to use biometrics during registration/use of security keys with the VinCSS FIDO2 application. In the event that the phone is lost and the device PIN is revealed, if someone tries to change the biometrics, The registered key will be disabled when High Security Mode is enabled. Registered keys not in this mode will not be affected (*The same Using PIN mode above cannot be used at the same time*).
- **Google Play:** rate the application on Play Store.
- **Clear cache:** allow user to delete application Cache and Cookies.
- **About app:** Displays application information (*subject, version, ...*) and redirects to <https://vincss.net> - the homepage of VinCSS Cybersecurity Service Joint Stock Company when the user clicks **Contact us**.

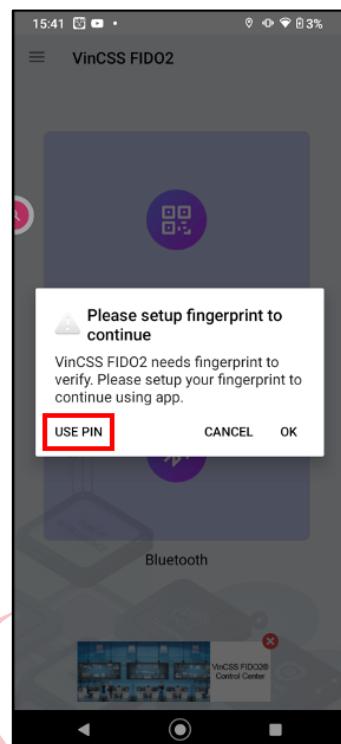


II.2.2.PIN code setting

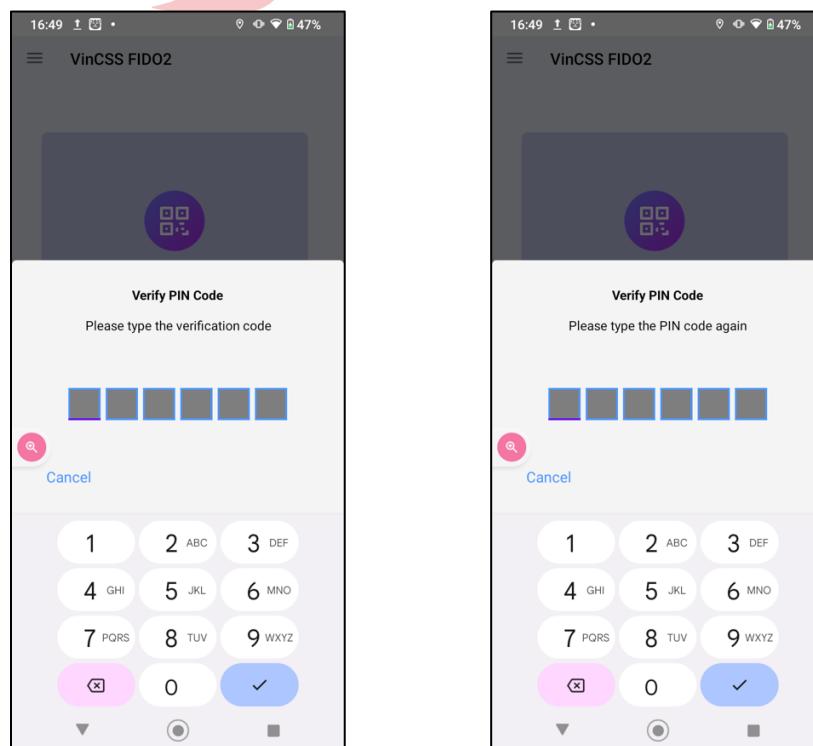
Note: This feature is only available on Android.

II.2.2.1. Set up a PIN when the device has not set up a fingerprint

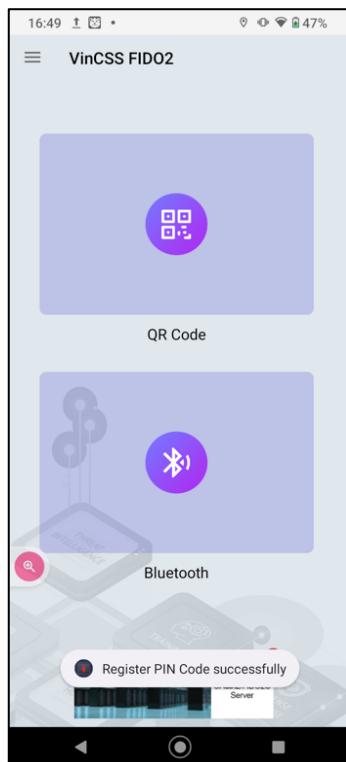
- Press **Use PIN** to use PIN code.



- Enter the PIN set up for the app. Then re-enter the PIN to confirm.

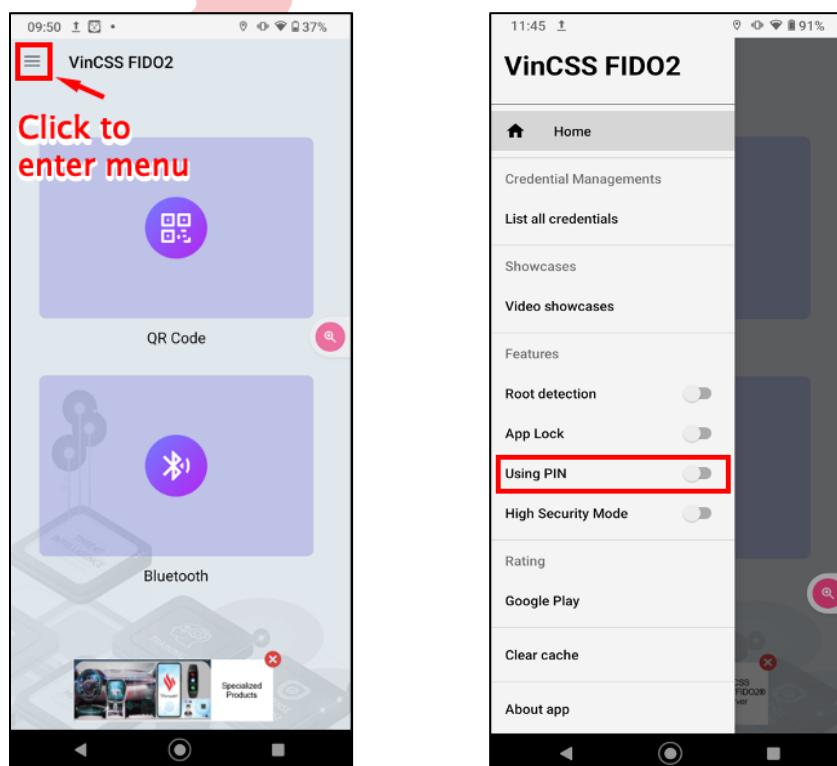


- When successfully set up a PIN for the application, the phone screen would display the message as shown below.

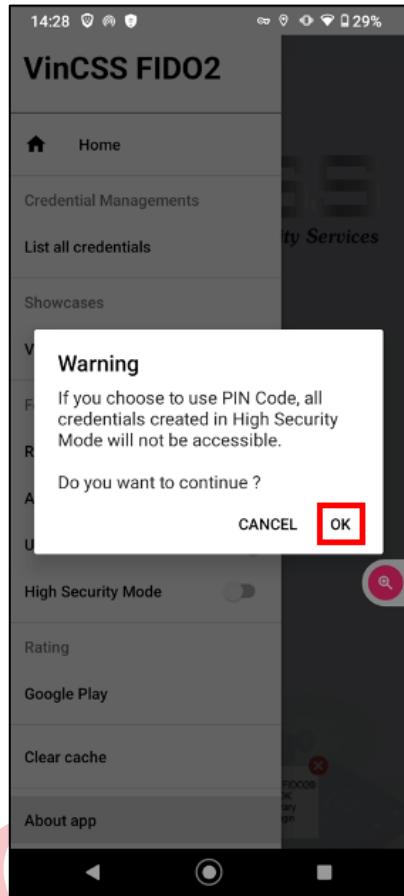


II.2.2.2. Set up a PIN when the device has set up biometrics

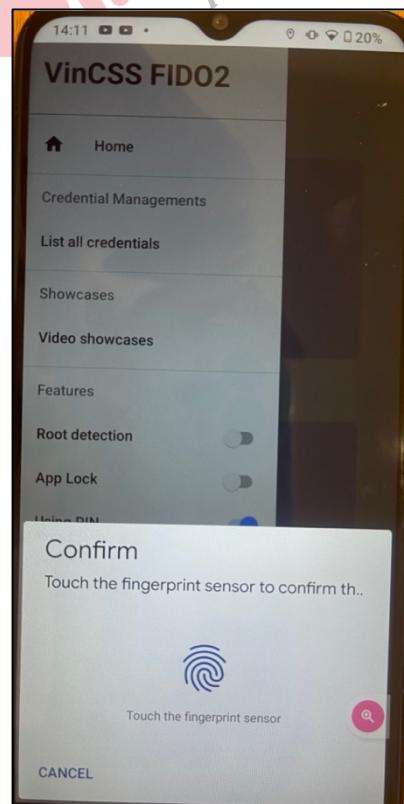
- On the application interface, click on the icon to display the **Menu** bar (*highlighted below the picture*). Then turn on **Using PIN**.



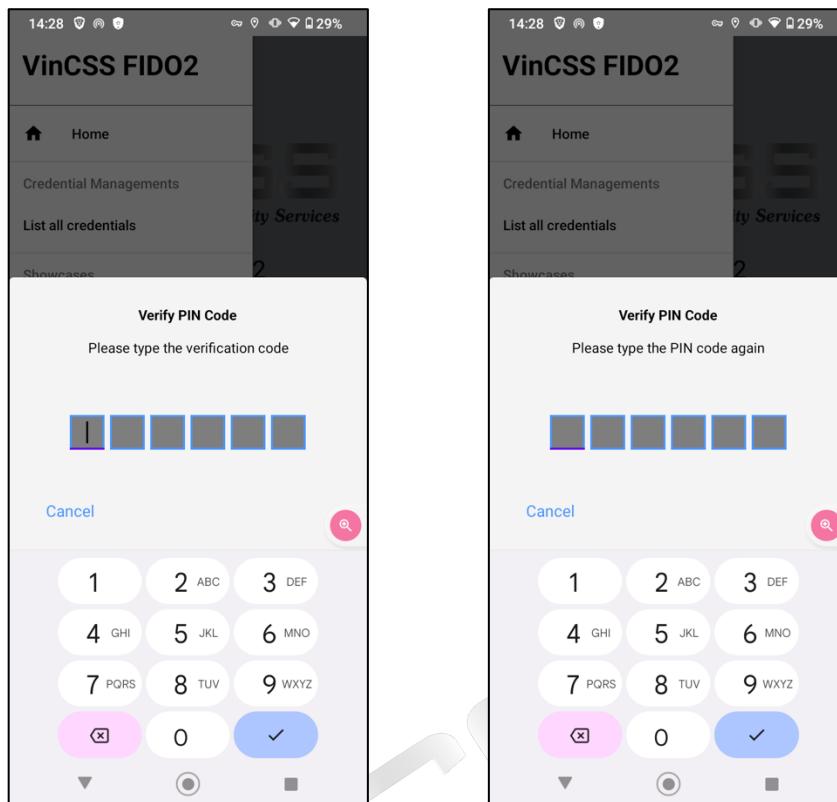
- Click **OK** to continue.



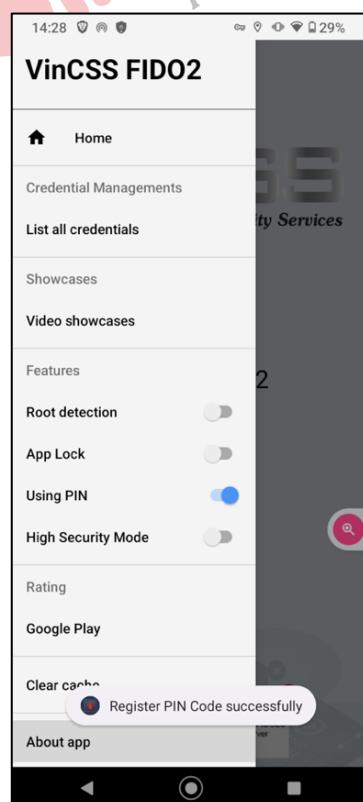
- Scan your fingerprint to continue.



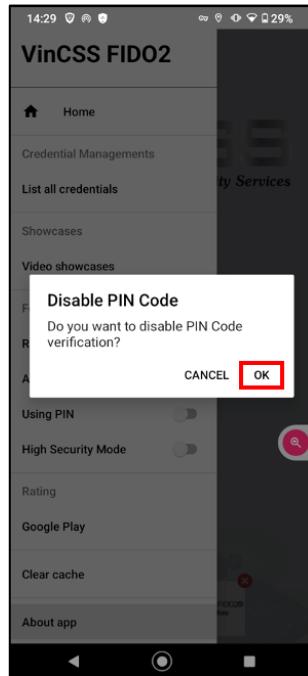
- Enter the PIN that user wants to set up for the application when authenticating. Then re-enter the PIN for the second time to confirm.



- When PIN is set up successfully, the screen displays the message as shown below.



- When “Using PIN” is off, press **OK** to confirm.



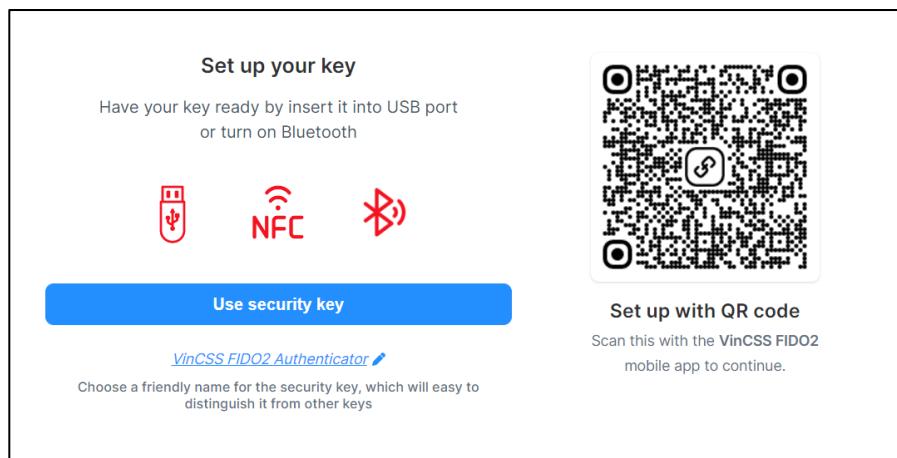
II.2.3.QR Code

- The QR Code function is used to register the security key and log in the system via the QR Code scanning method.

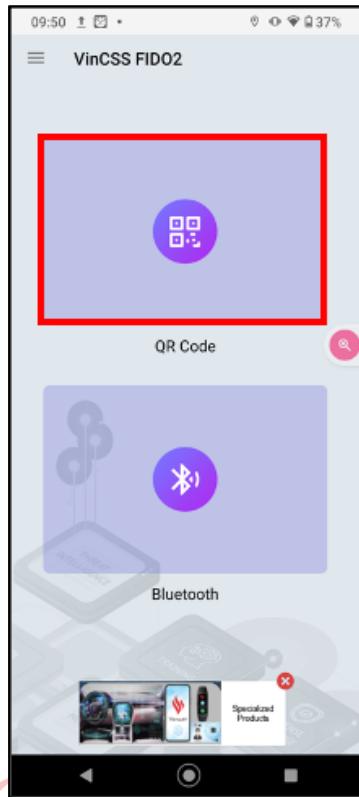
Note: To use the passwordless authentication QR code scanning feature with the VinCSS FIDO2 application, the phone needs to grant camera access to the application and must enable the fingerprint unlock feature or select the Using PIN setting in the application settings. using VinCSS FIDO2 (refer to section II.2.2.2).

II.2.3.1. Register the security key

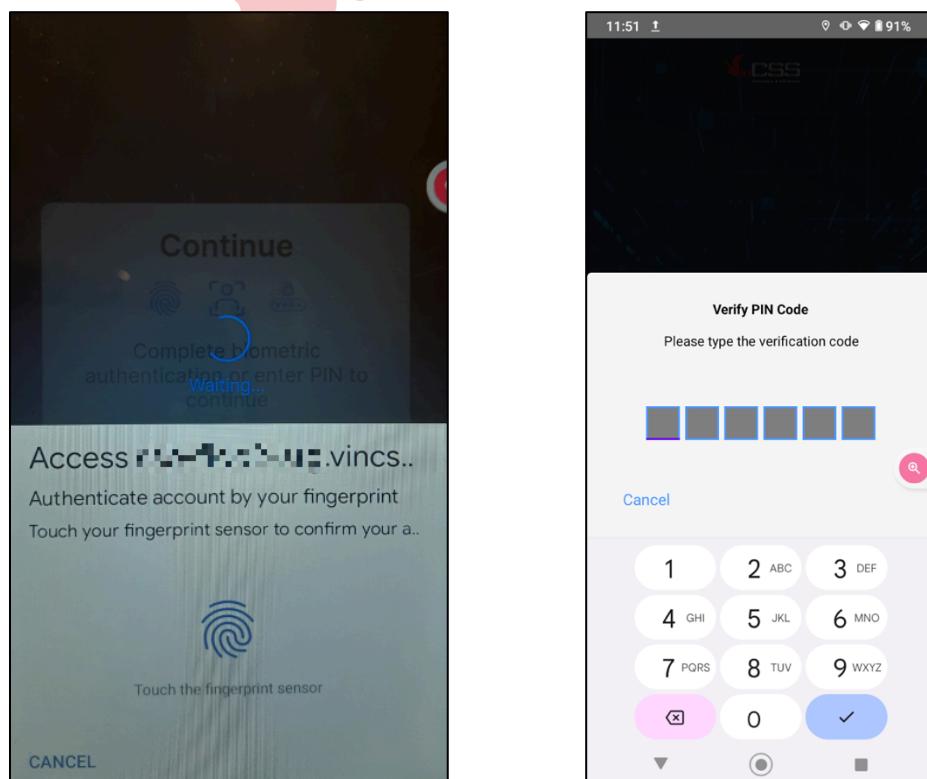
- Contact administrator to register the security key through a link sent to the user via email or IM (*valid for 1 hour*). The key registration screen is displayed as shown below.



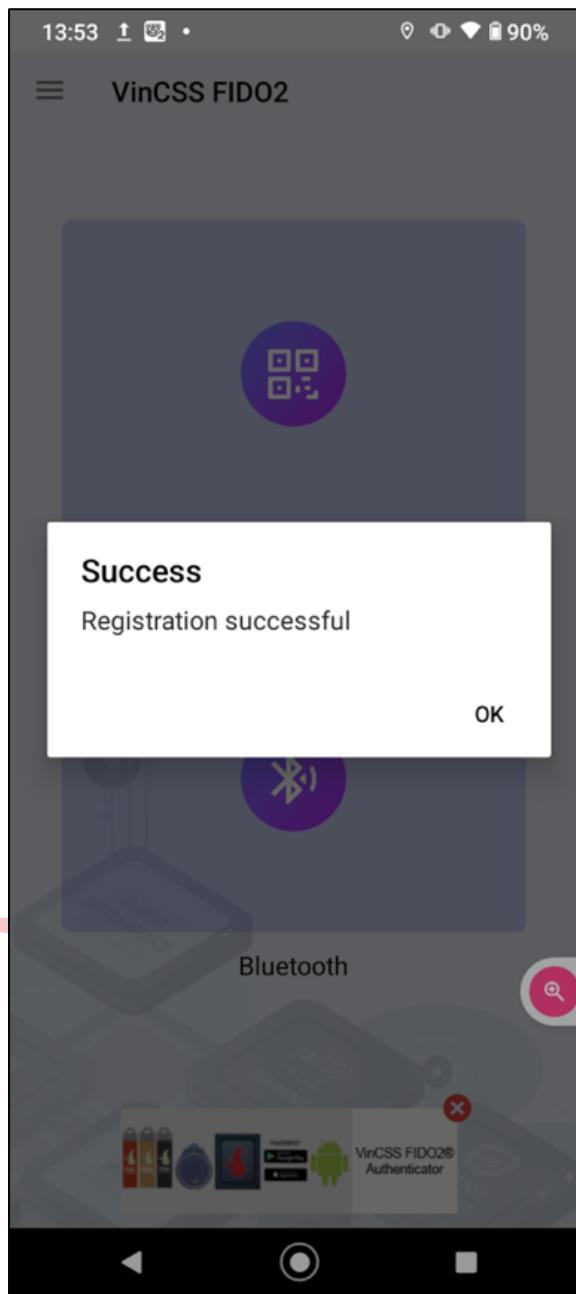
- Click on the **QR Code** icon on VinCSS FIDO2 mobile application and scan the QR Code.



- After scanning the QR code, the application interface will display a window to scan the fingerprint or enter the PIN code (*as required by the device*) to confirm.



-
- The confirmation of the successfully registered key message will be shown on the screen.



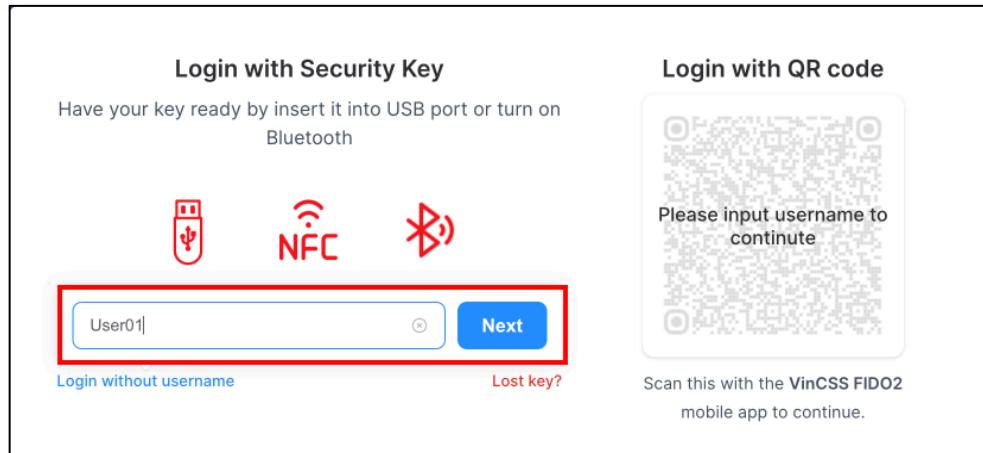
II.2.3.2. Log in the system

- Register security key using VinCSS FIDO2 application via QR code according to instructions in section II.2.3.1.

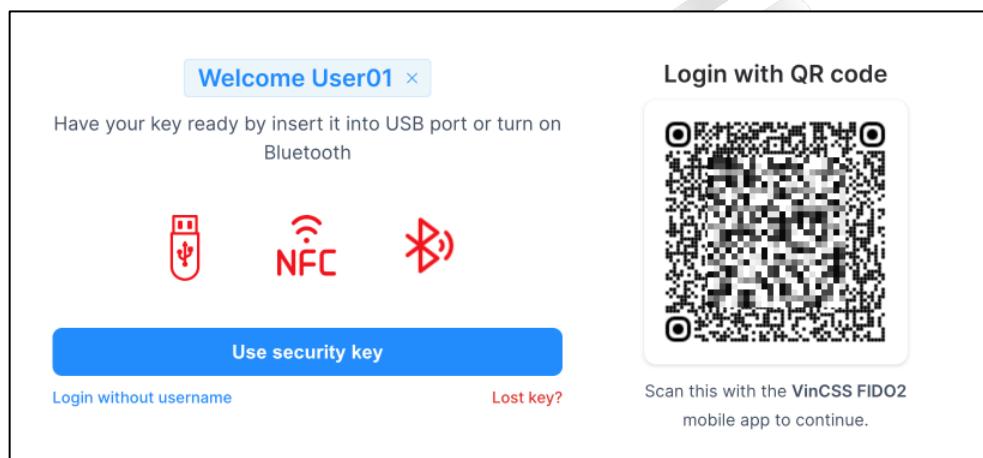
Notice: By default, administrator will send a registration link for the new security key, which is then able to be used with all login forms after the successful registration. (The form of passwordless authentication (refer to section II.2.3.2.1.) and the form of usernameless authentication (refer to section II.2.3.2.2.)).

II.2.3.2.1. Passwordless authentication

- To access the system with FIDO2 passwordless login by QR Code scanning, enter the **username** (*case insensitive*), then click **Next**.

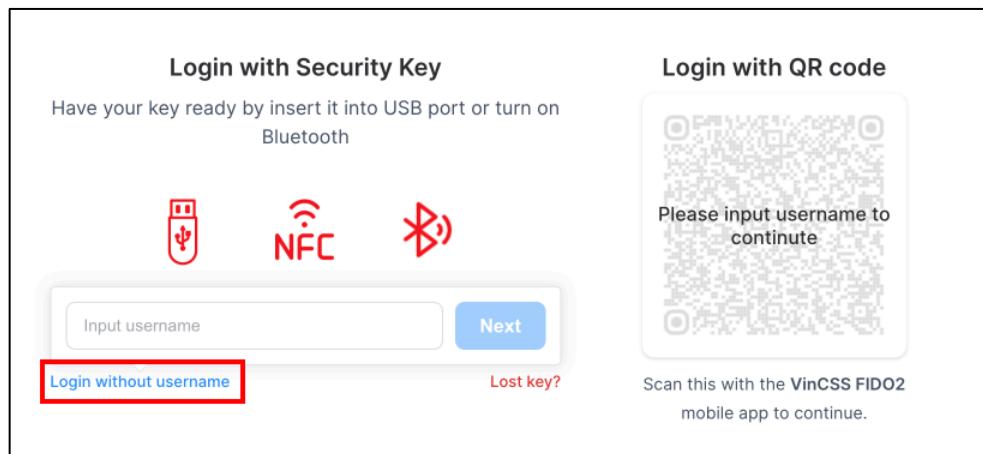


- The QR Code will be displayed on the screen as below.

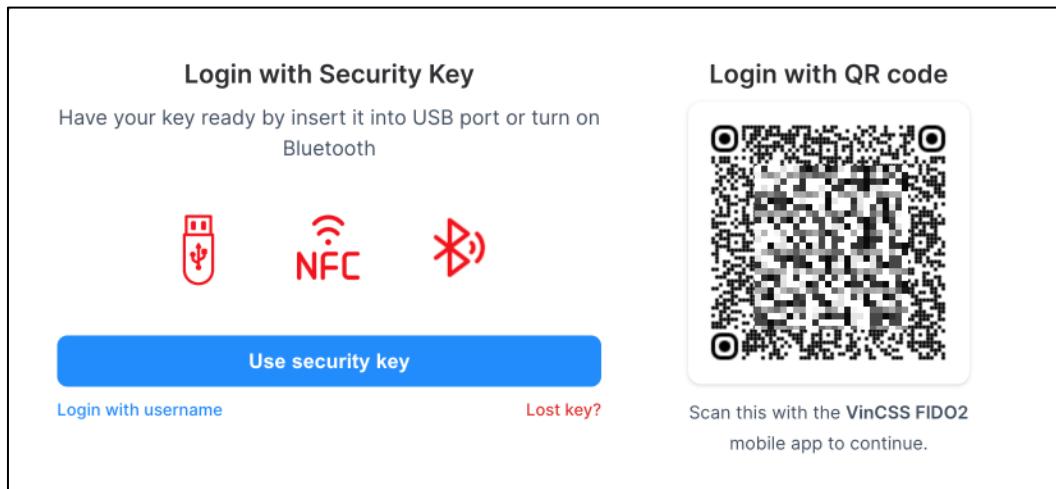


II.2.3.2.2. Usernameless authentication

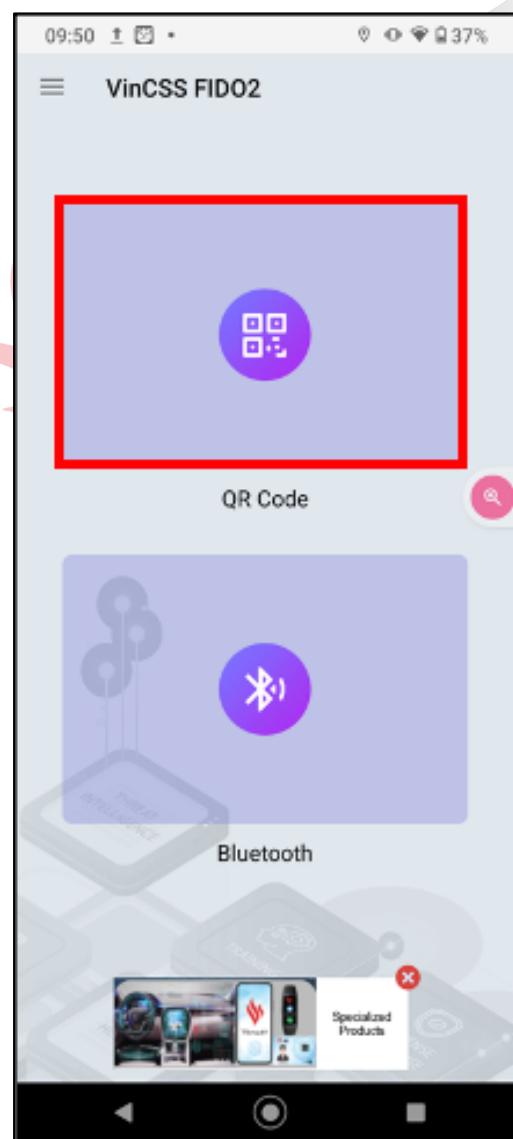
- User can choose another login method by clicking “**Login without username**” instead of entering **username**.



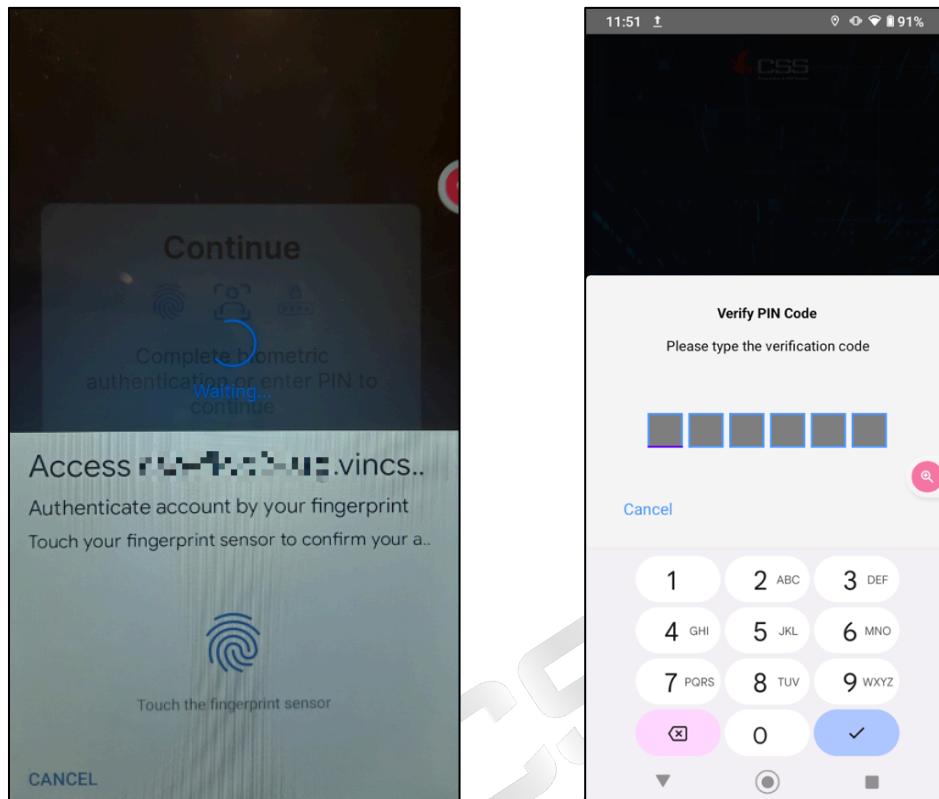
- The QR Code will be displayed on the screen as below.



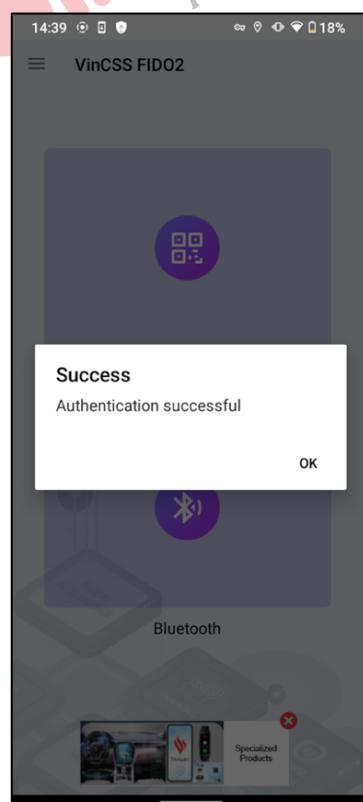
- Click on the **QR Code** icon on VinCSS FIDO2 mobile application and scan the QR Code.



- After scanning the QR code, the application interface will display a window to scan the fingerprint or enter the PIN code (*as required by the device*) to confirm.



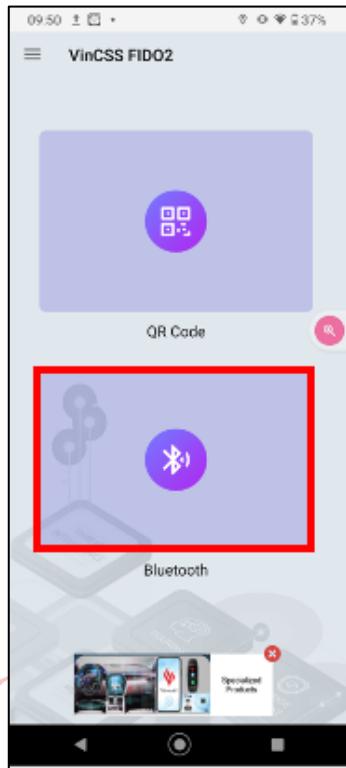
- Successful authentication message will be displayed as below.



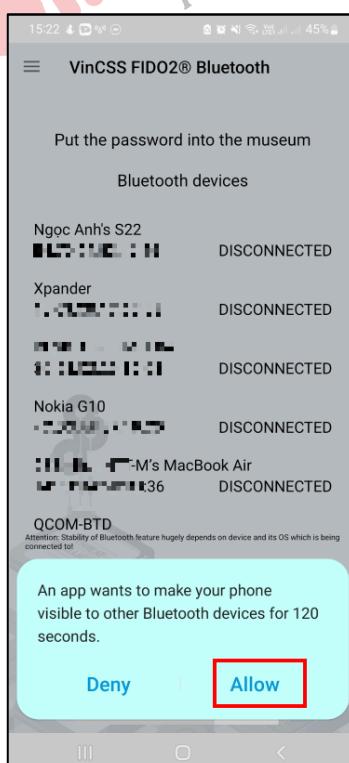
I.2.4. Bluetooth

II.2.4.1. Connect the mobile to the computer via Bluetooth

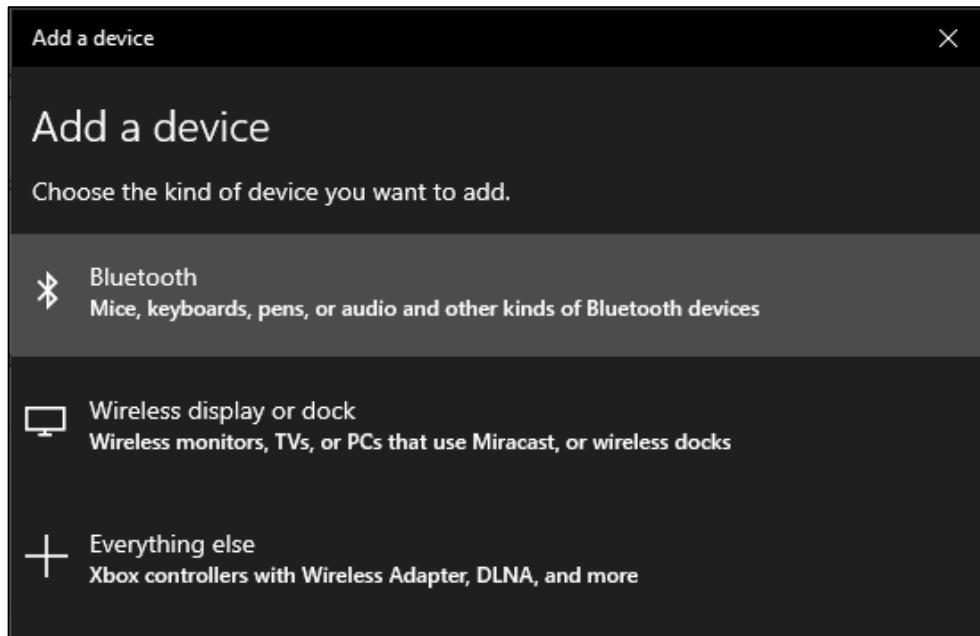
- Open VinCSS FIDO2 mobile application, then select **Bluetooth**.



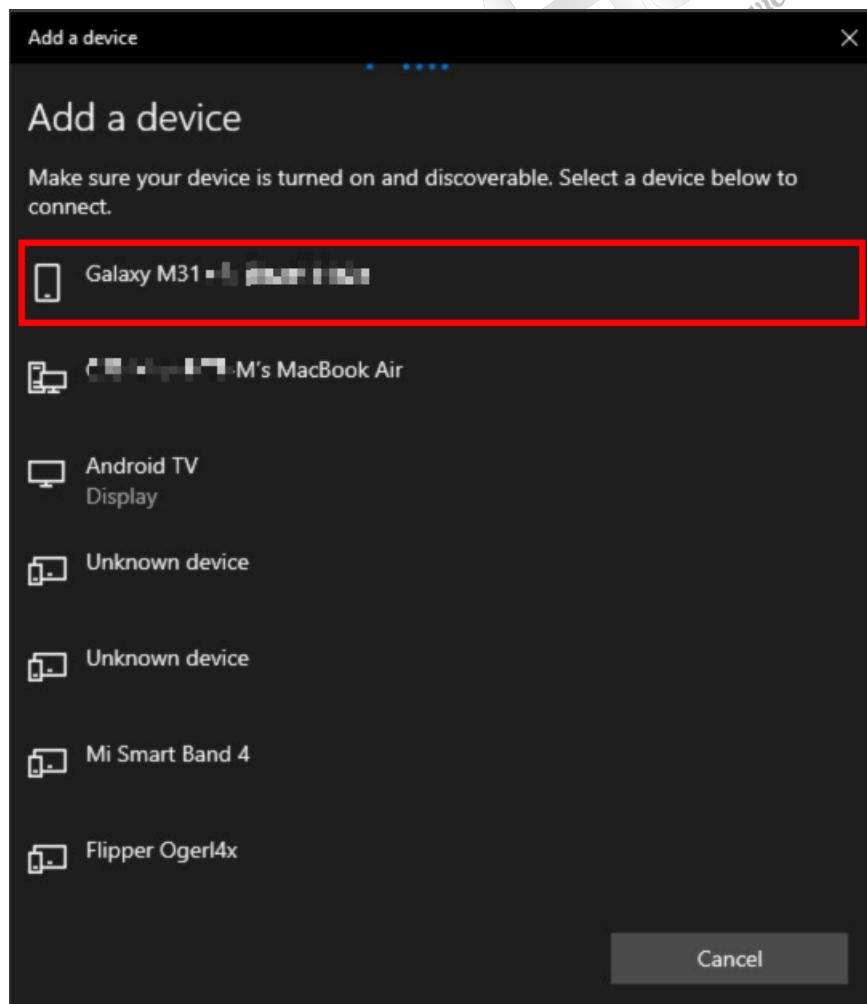
- Select **Allow** to continue.



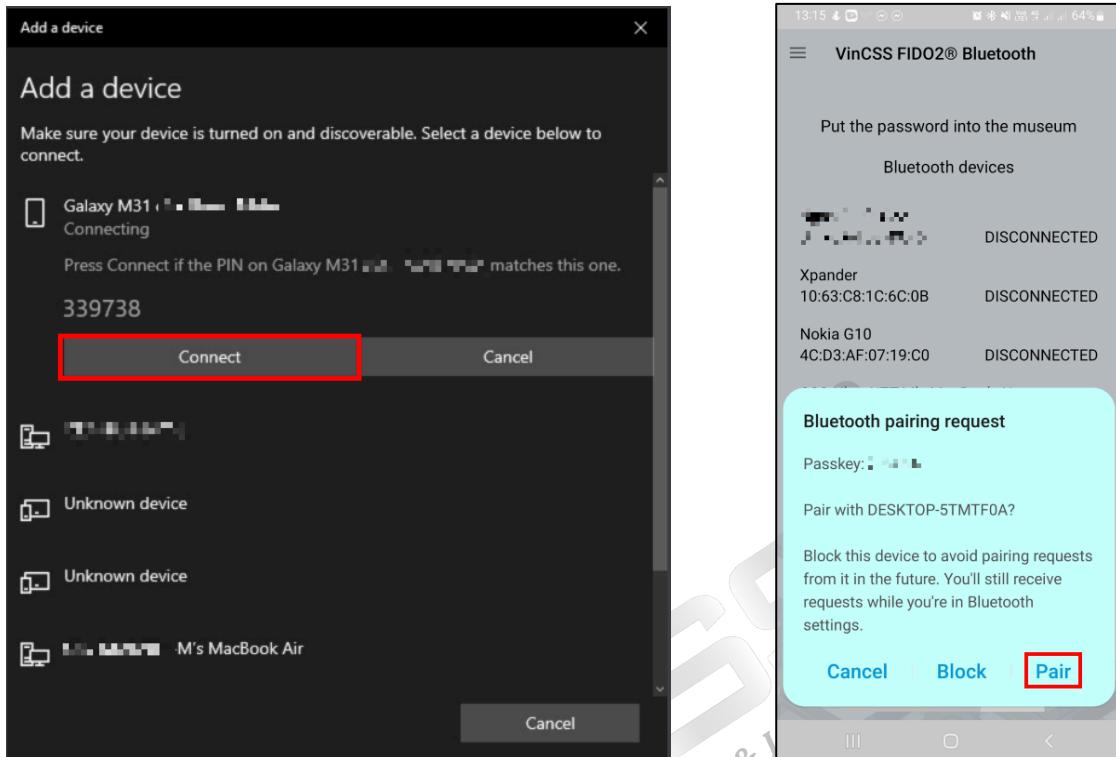
- Select **Settings > Bluetooth & other devices > Add Bluetooth or other devices** on the computer.



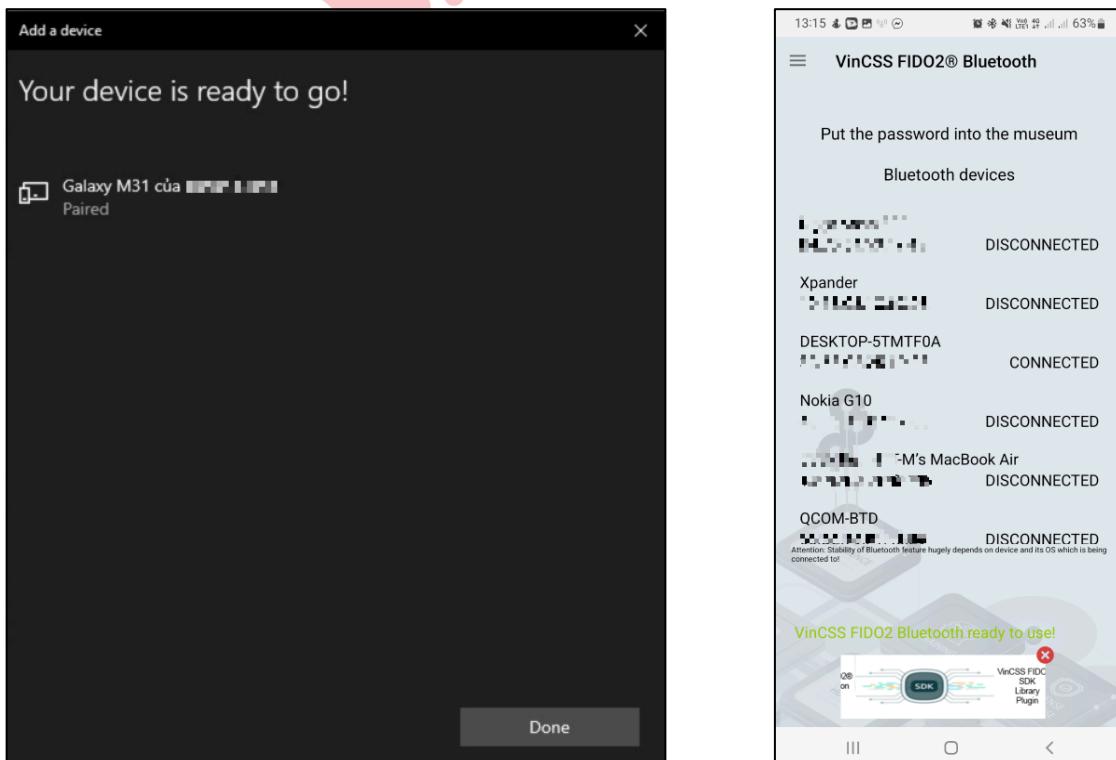
- Select the device that needs to pair with the computer.



- The state of pairing will be displayed on both mobile and computer screens. Check the PIN Code, click **Connect** on the computer and click **Pair** on the mobile for device pairing.

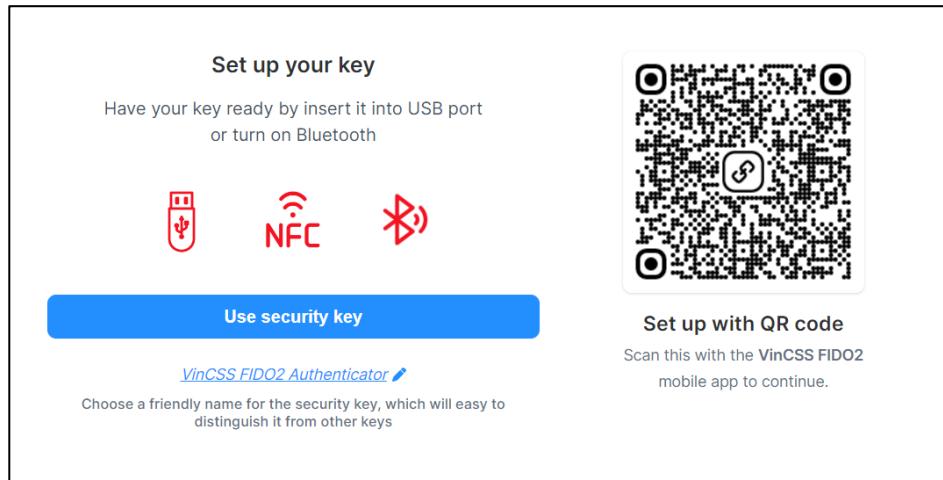


- The pairing process is successful, the paired device information is displayed on the VinCSS FIDO2 application and computer.

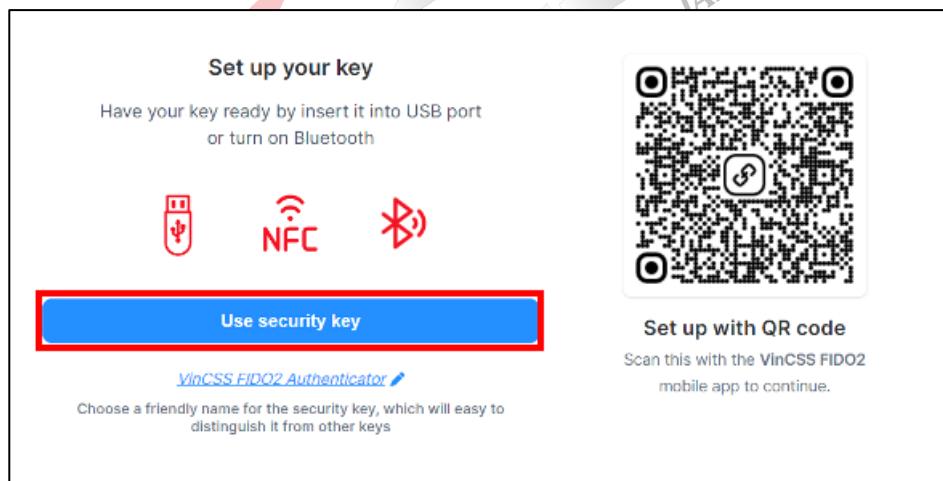


II.2.4.2. Register the security key

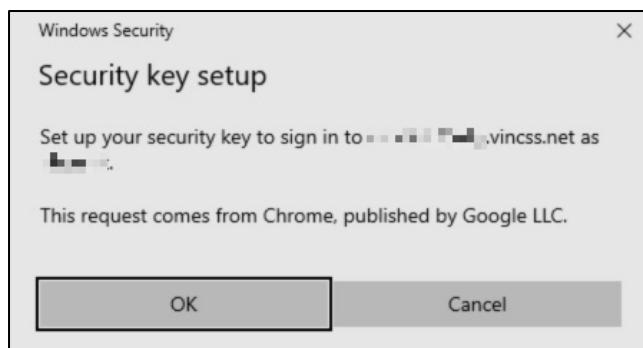
- Connect the mobile to the computer via Bluetooth according to the section **II.2.4.1.**
- Contact administrator to register the security key through a link sent to user via email or IM (*valid for 1 hour*). The key registration screen is displayed as shown below.



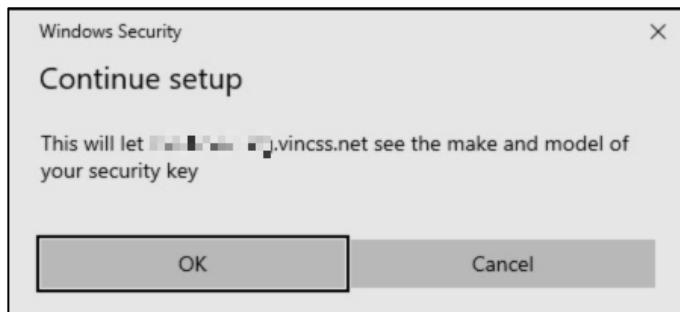
- Enter the security key name and select **Use security Key**.



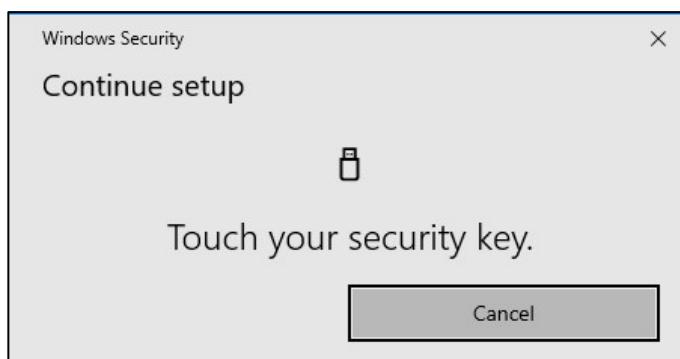
- Click **OK** to continue the security key registration.



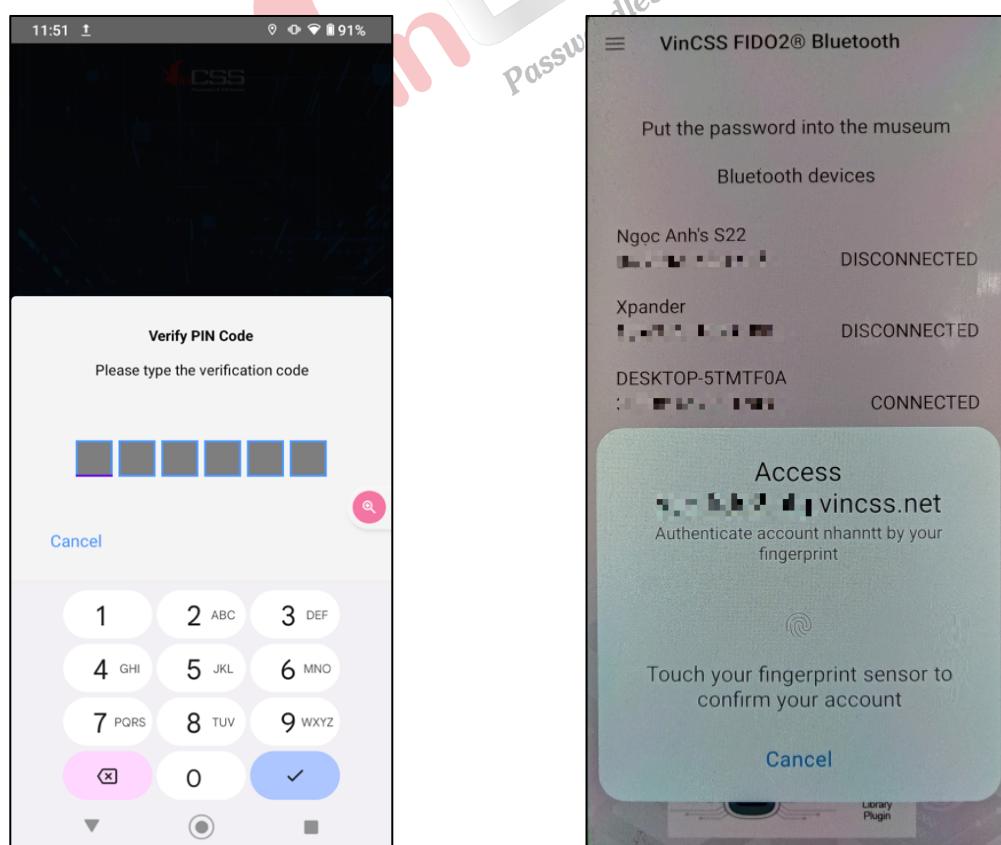
- Click **OK** to continue.



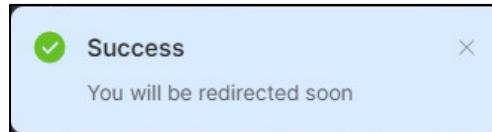
- The computer will request user to activate the security key.



- User performs authentication on the connected phone using PIN or fingerprint (*as required by the device*).



- After the authentication is completed, the computer screen displays a successful security key registration message.



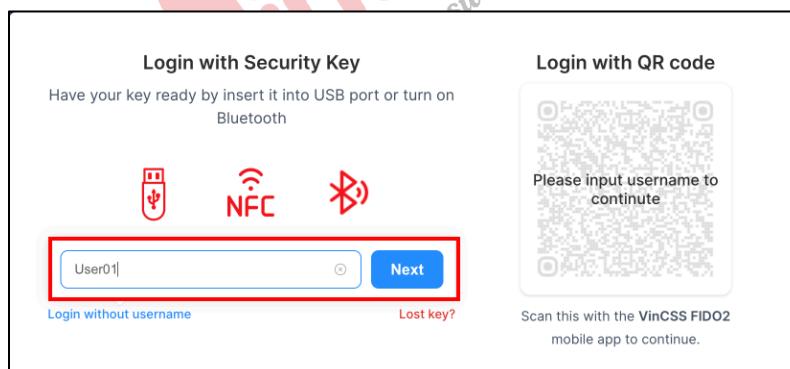
II.2.4.3. Log in the system

- Connect mobile to the computer via Bluetooth function according to the section **II.2.4.1**.
- Register the security key using VinCSS FIDO2 application via Bluetooth according to the instructions in part **II.2.4.2**.

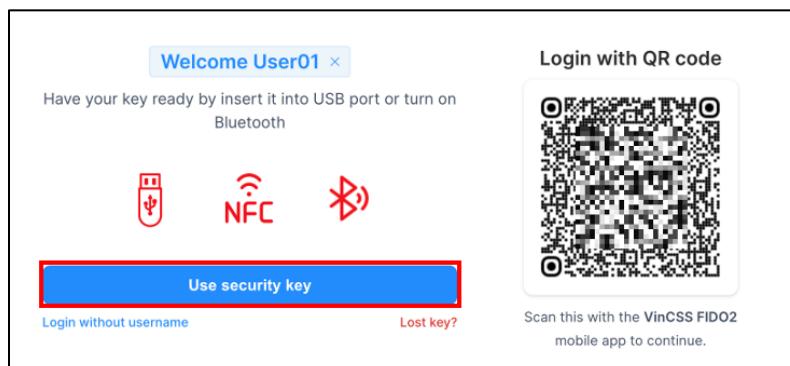
Notice: By default, administrator will send a registration link for the new security key, which is then able to be used with all login forms after the successful registration. (The form of passwordless authentication (refer to section **II.2.4.3.1**) and the form of usernameless authentication (refer to section **II.2.4.3.2**))

II.2.4.3.1. Passwordless authentication

- For the FIDO2 passwordless authentication integrated applications, type the **username** on the login screen (*case insensitive*), then select **Next**.

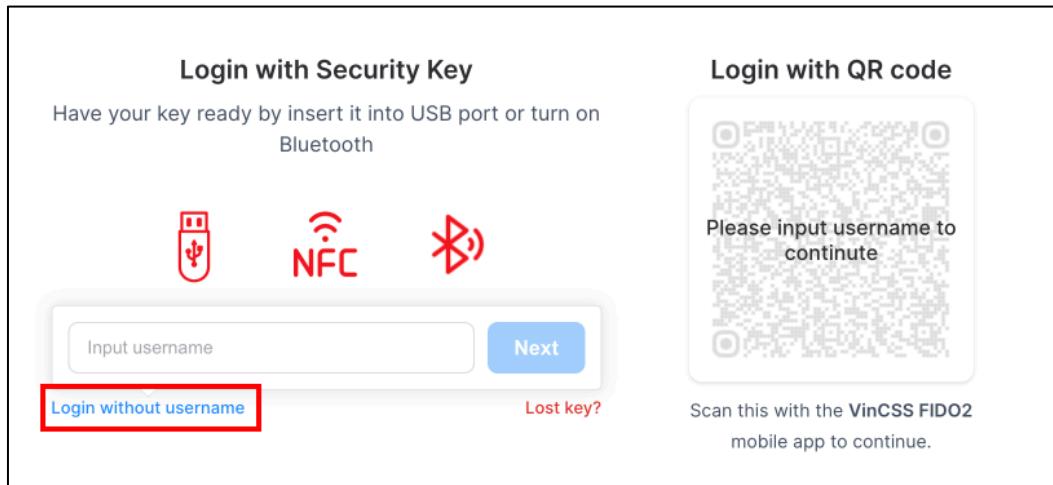


- The screen displays the interface as shown below, select **Use security key**.

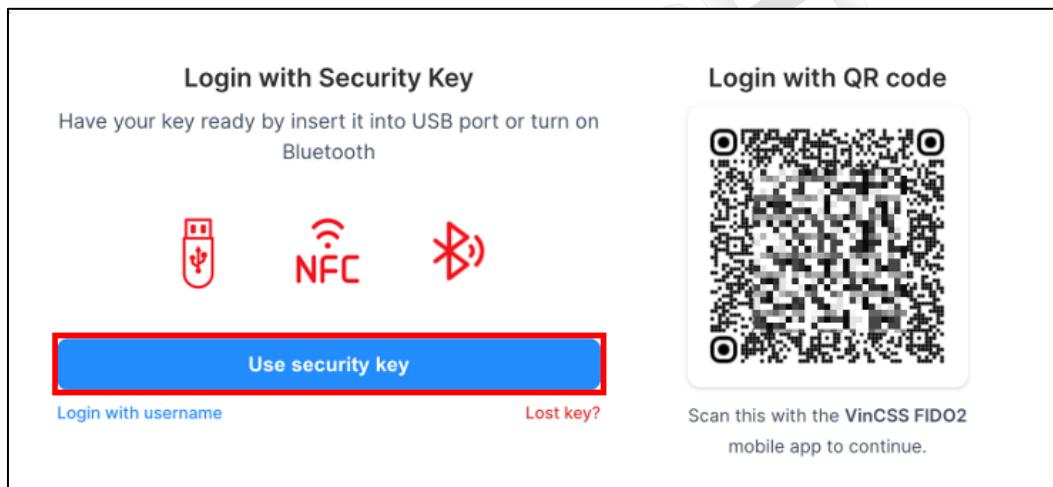


II.2.4.3.2. Usernameless authentication

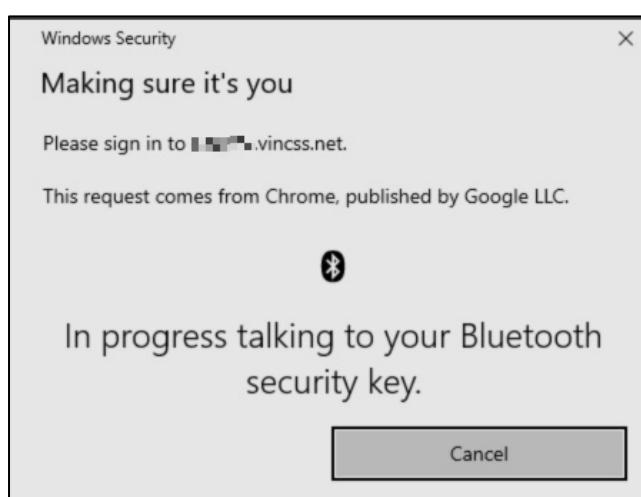
- User can choose another login method by clicking “**Login without username**” instead of entering **username**.



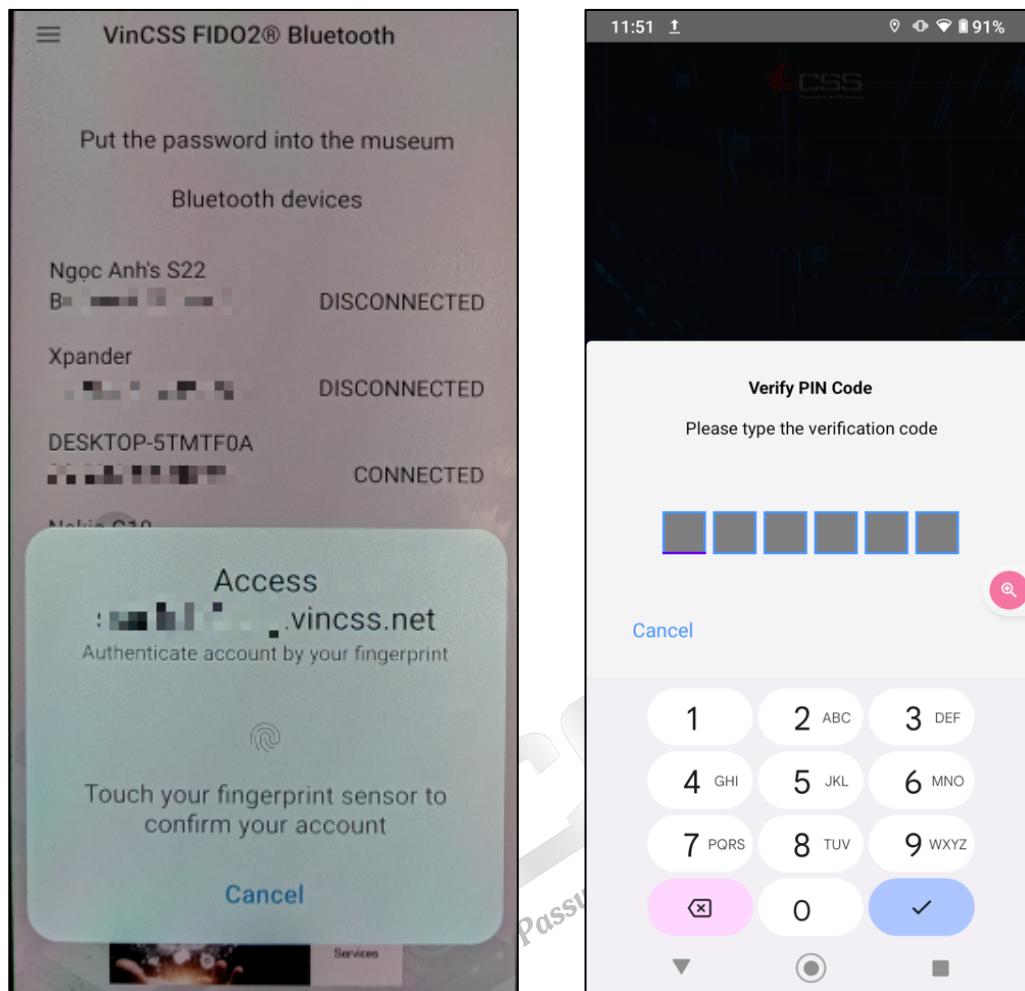
- The screen displays the interface as shown below, select **Use security key**.



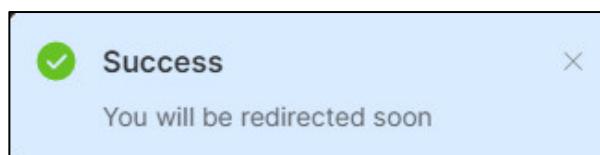
- Authenticate on the phone when the computer shows the message.



- Use Fingerprint or PIN code to authenticate (*depends on mobile configuration*) to complete the login process.



- The computer displays a successful security key registration message.



REFERENCES

- VinCSS FIDO2 Ecosystem: <https://passwordless.vincss.net>
- VinCSS Youtube channel:
https://www.youtube.com/channel/UCNtS_7d4GtyecE2HCpJSr7g
- FAQs: <https://passwordless.vincss.net/en/support>

