

Computerization of TTE Lobbies over Indian Railways

User Manual for configuration of Biometric devices at TTE lobbies

Ver. 1.2

Biometric Authentication System in TTE Lobby Application

CRIS in association with CDAC has introduced a biometric authentication-based Sign-In/Sign-Off Attendance System within the TTE Lobby Application. This integration allows users to authenticate themselves using Aadhaar-enabled biometric devices ensuring a secure, tamper-proof, and privacy-compliant attendance process. The system aligns with the Government of India's digital identity framework and provides the highest level of data security through UIDAI-backed authentication.

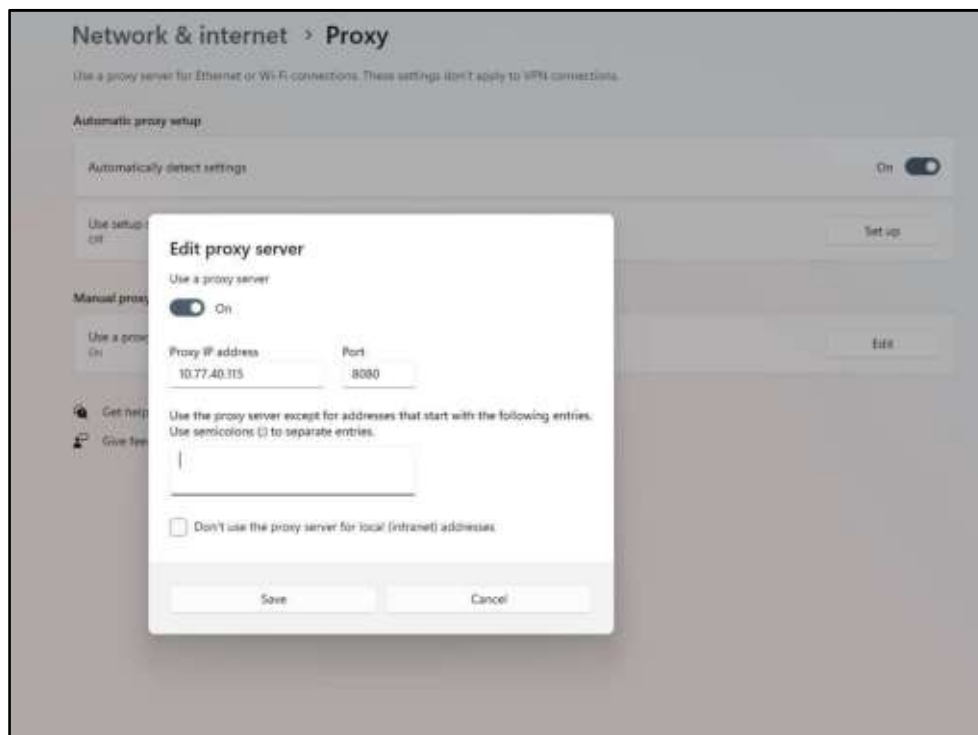
To implement this system, Lobby Administrators must procure UIDAI-approved biometric fingerprint devices through their respective Zones/Divisions. Once the devices are installed and configured, users need to be registered on the ePramaan/CDAC portal (<http://epramaan.meripchaaan.gov.in/>). After successful registration, each user's should mapped with their ePramaan ID with userid of TTE Lobby application. Thereafter, users can Sign In and Sign Off securely using Aadhaar-based biometric authentication via the ePramaan platform.

Step-by-Step Instructions for Biometric Device Installation

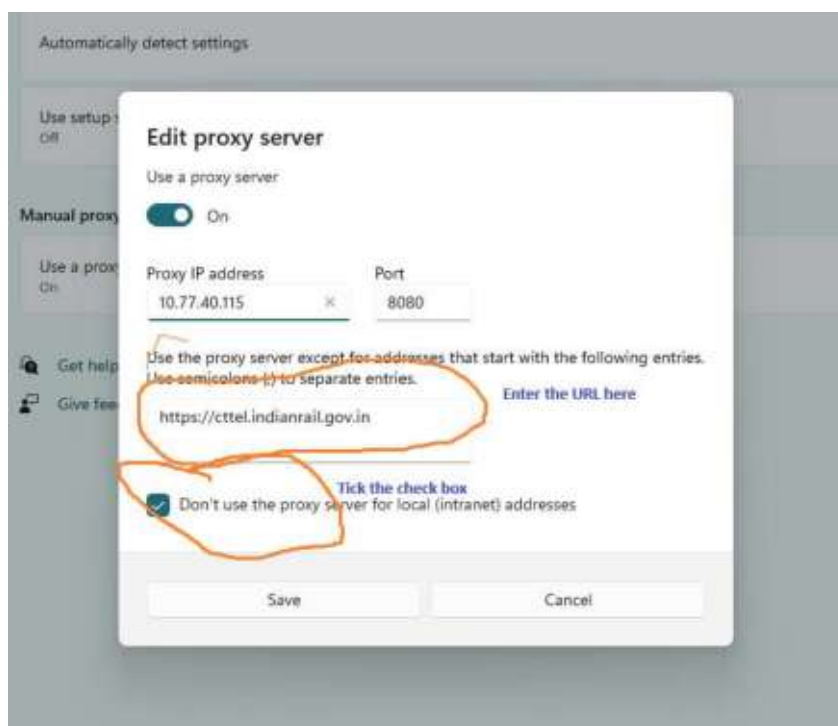
After procurement of biometric scanner devices as per given make/specification,

1) Configure Proxy

- a) Open Chrome or Edge Browser on your Thin Client/PC.
- b) Navigate to Settings > Network & Internet > Proxy.
- c) Choose Manual Proxy Setup and toggle the option 'Use a Proxy Server' to 'On'.
- d) Enter the following details:
 - proxy IP Address: [10.77.40.115](#)
 - Port: [8080](#)



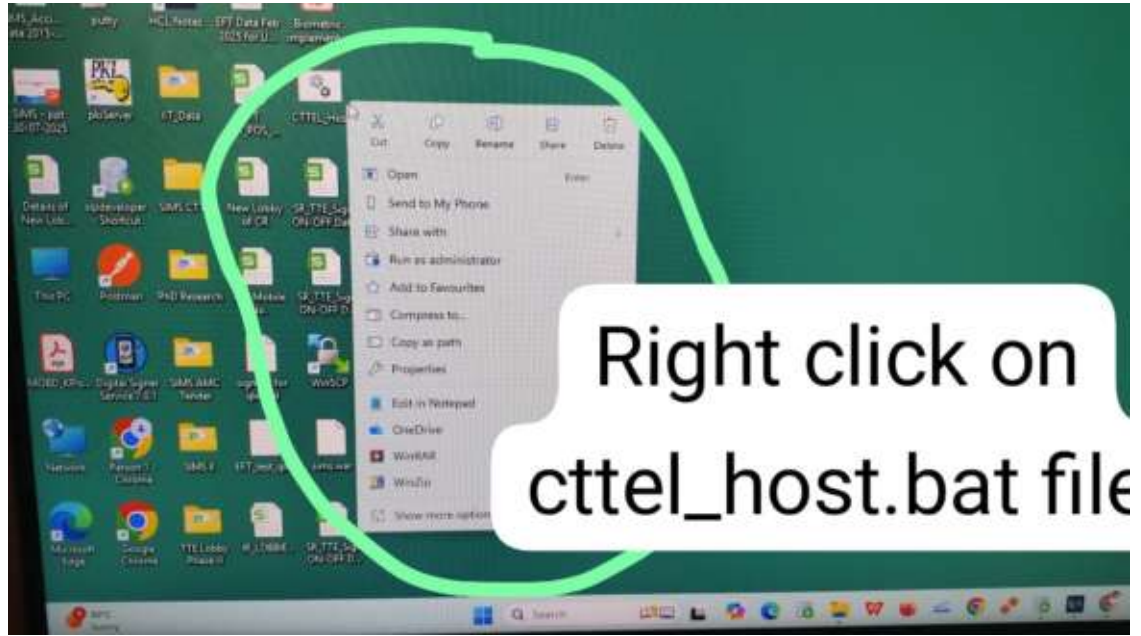
- e) Enter the URL <https://cttel.indianrail.gov.in> in the text box and click the check box



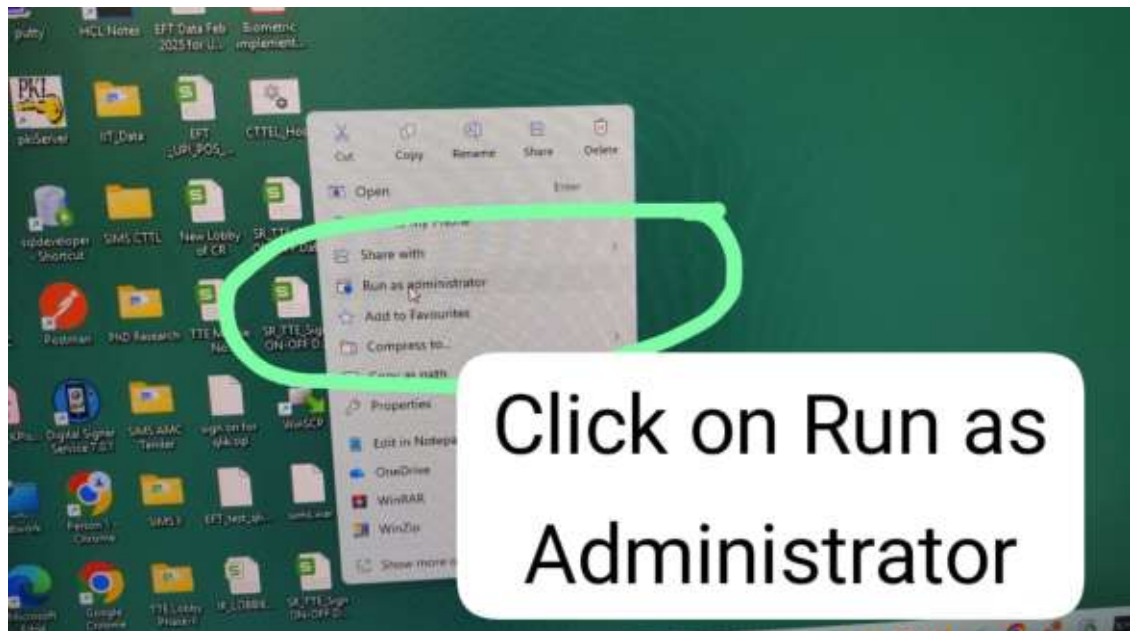
f) **Save the settings.**

g) Download the file `cttel_host.bat` from TTE lobby portal home page (Available under heading “Biometric Device Driver”) or ask to TTE Lobby helpdesk

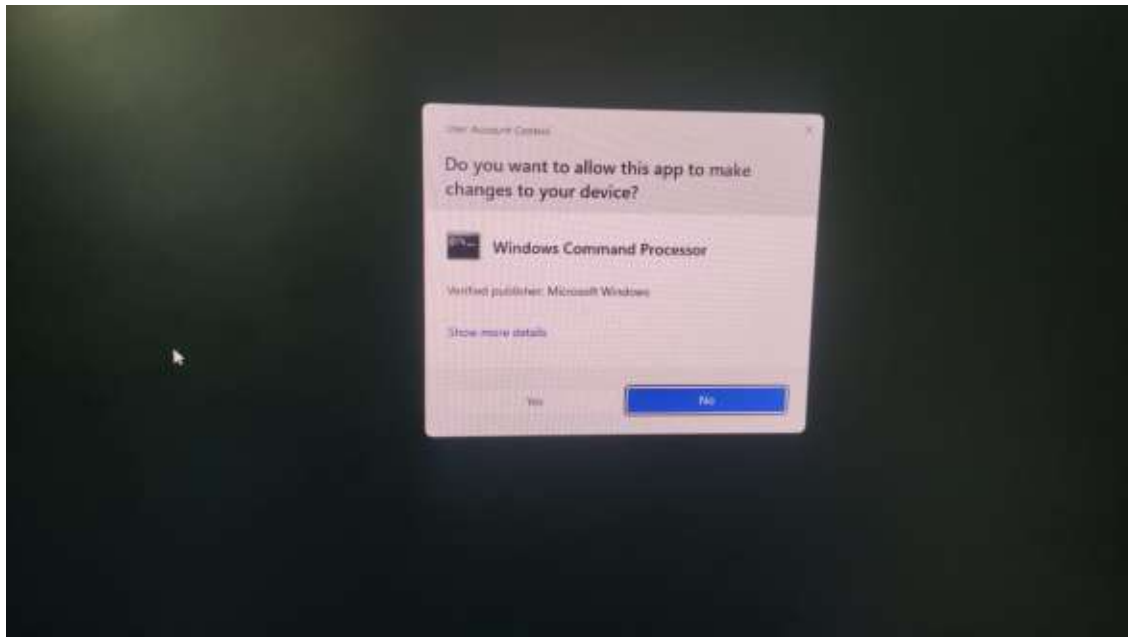
h) Right click on `cttel_host.bat` file



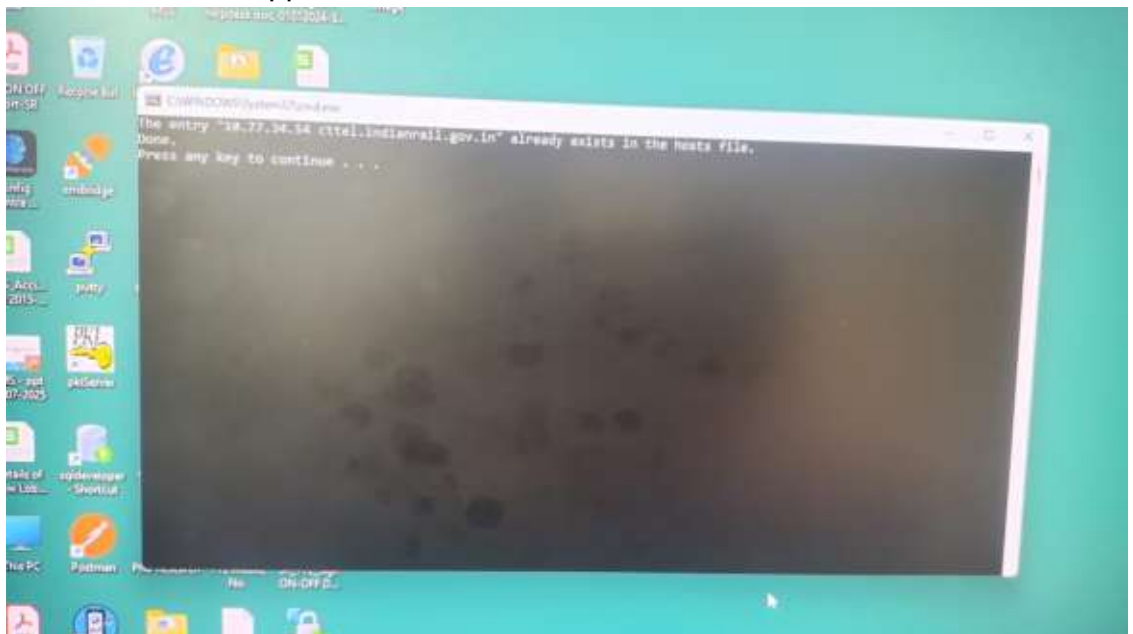
i) Run the Batch file as administrator



j) After clicking, Windows pop up appears. Click on **Yes**



k) After execution, it appears as



m) After above setting, access the TTE lobby application , please use <https://cttel.indianrail.gov.in/cttel> instead of using <http://10.77.34.54/cttel> (earlier URL)

2) Install Device Drivers

- a) Plug the biometric device into the USB port of the Thin Client/PC.
- b) Ensure the system runs Windows 10 or higher.

- c) Download the correct driver from the TTE Lobby portal (link available on homepage) or ask the TTE Lobby helpdesk @91-7011572220 for technical support (between 07:00 hrs to 22:00 hrs)
- d) Install the driver manually.
- e) Use the device's test utility to verify it is functioning correctly.
- f) If proxy configuration required (in case of IDEMIA Device), please configure the proxy IP address 10.77.40.115 port 8080

3) Registration of User on e-Pramaan Portal

Each user must register themselves e-Pramaan portal using their Aadhaar to enable biometric Sign-On and Sign-Off authentication.

- a) Open the TTE Lobby portal and go to the e-Pramaan given on homepage or directly visit:
<https://epramaan.meripehchaan.gov.in/register/nssso/loadRegistrationForm.do>
- b) Complete the 'Sign Up' form with the required details.
- c) Authenticate using the OTP sent to your Aadhaar-linked mobile number.
- d) Accept consent to the Terms and Conditions and click Submit.
- e) Upon successful registration, you will receive an e-Pramaan ID linked to your Aadhaar.

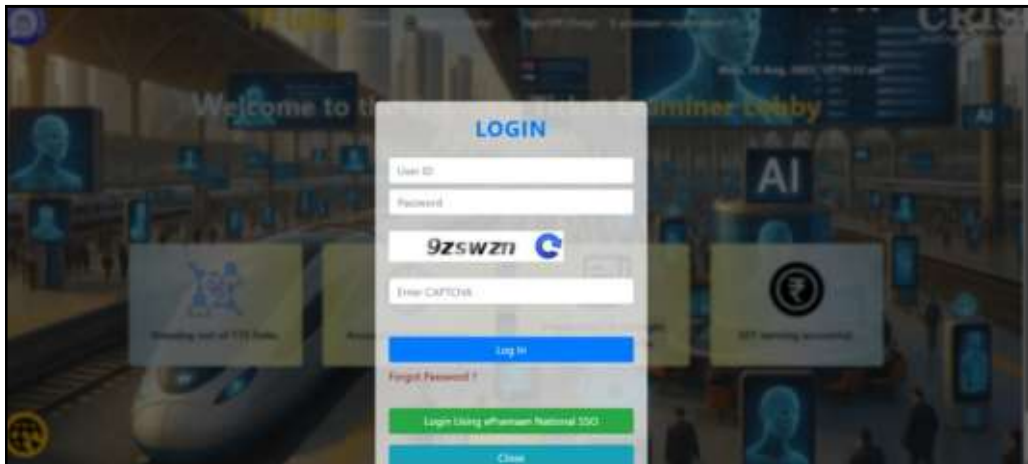
The screenshot shows a web browser window displaying the 'Sign up for ePramaan' form. The form is titled 'Sign up for ePramaan' and includes the following fields and elements:

- Mobile Number:** A text input field with a 'Generate OTP' button next to it.
- Gender:** A dropdown menu with 'Select' as the current selection.
- Date of Birth:** A date picker with 'DD', 'Month', and 'YYYY' fields.
- Personal Message:** A text input field with an information icon.
- Username:** A text input field.
- Password:** A text input field with an information icon.
- Confirm Password:** A text input field.
- I consent Terms and Conditions:** A checkbox.
- Sign Up:** A blue button at the bottom of the form.

4) Mapping of e-Pramaan user id with TTE user id

After completion of registration process on e-Pramaan portal, each TTE must mapped their user id of TTE lobby application with e-Pramaan user id.

- a) Go to the TTE Lobby webpage and click on login button



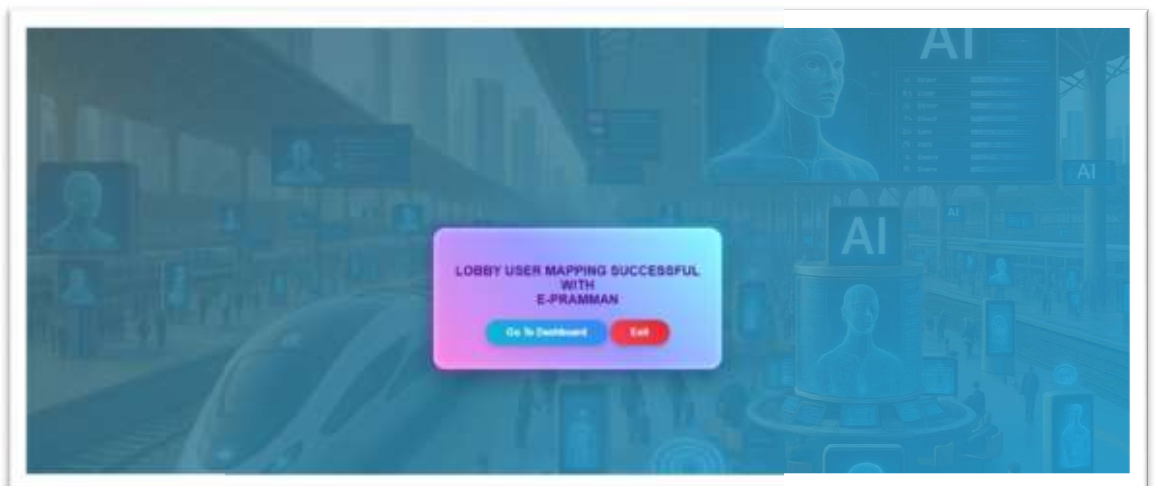
- b) Click on “Login using ePramaan National SSO”
- c) It will open e-Pramaan portal.
- d) Enter ePramaan user ID and captcha.
- e) A new window will open requesting ‘Consent for Aadhaar Authentication’.
Select ‘Agree’ and click ‘Submit’



- f) The LED light of fingerprint scanner will become on and then put your finger on fingerprint scanner for biometric authentication.
- g) After successful authentication, it will redirect automatically on the mapping page



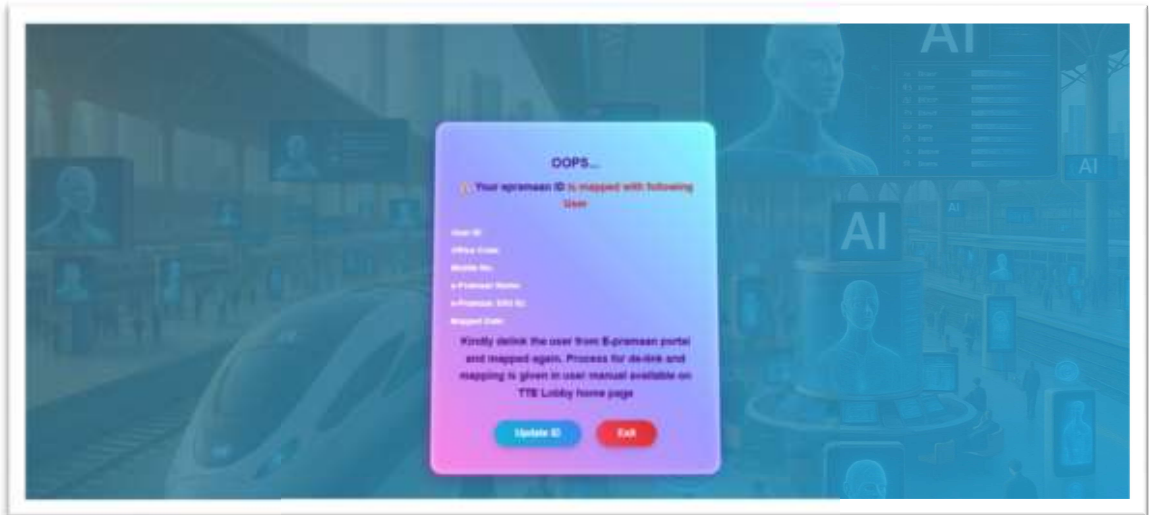
- h) Enter TTE lobby user id and password
- i) After successful verification of TTE lobby user ID and password, following screen will displayed and redirected on dashboard of TTE lobby application.



- j) Now, User will ready to sign ON/OFF their duty using biometric authentication.

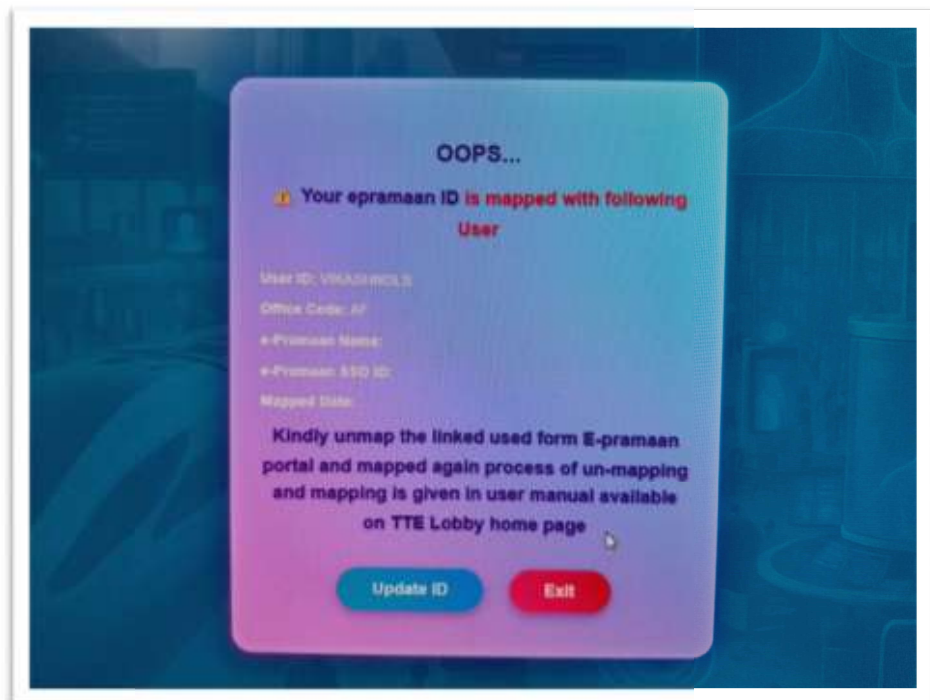
k) Error Message During mapping

- a. If your e-Pramaan SSO ID mapped with other TTEs, following screen will be displayed



You have to contact the user (as per details displayed on screen) and ask to delink and unmap their TTE userid with your epramaan SSO ID. After un-mapping by concerned user, you can try again to map your TTE user ID with epramaan SSO ID

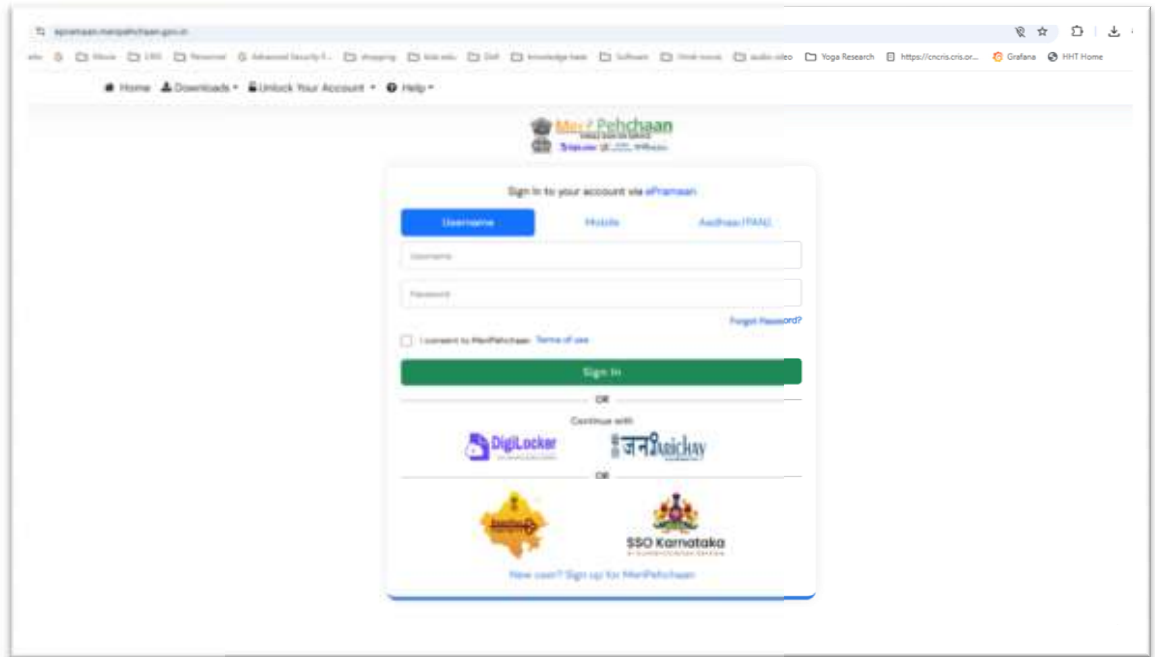
- b. If your ePramaan SSO id has reset in TTE lobby application and mapped on epramaan portal, following screen will be displayed



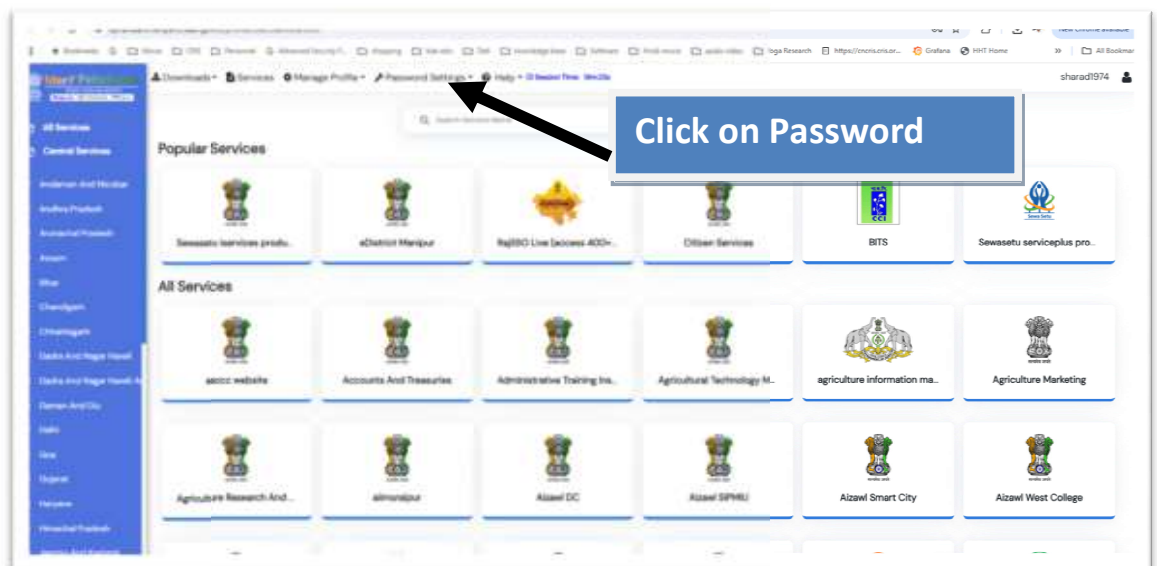
You have to un-map your ID on ePramaan portal and then try to login again to map.

steps of unmapping your TTE user ID from epramaan portal.

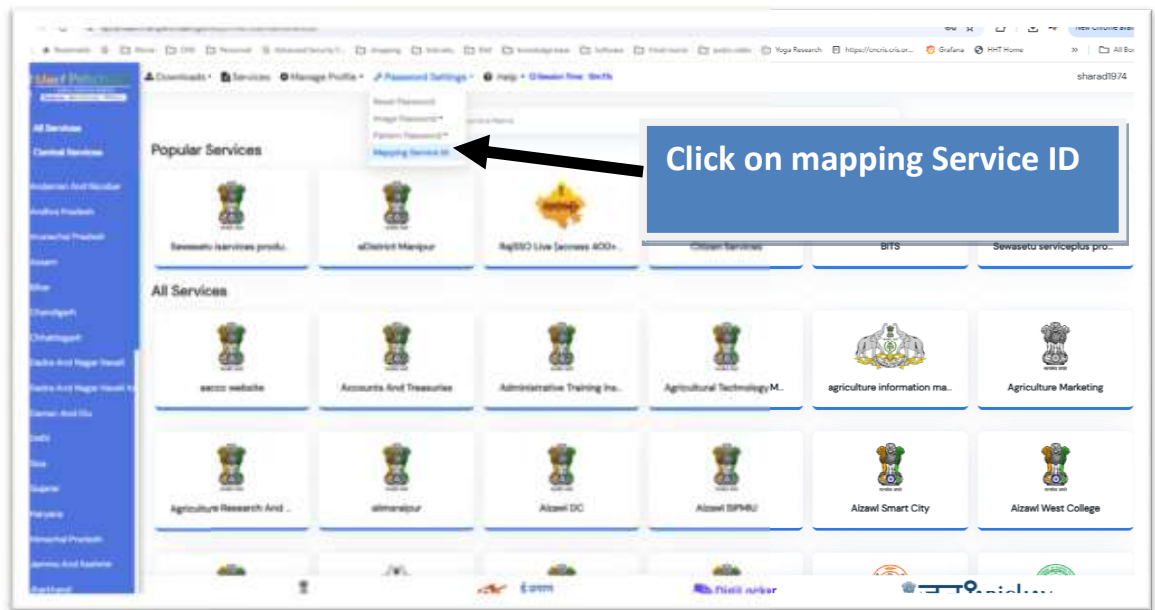
- (i) Open the epramaan portal, and login with your credentials
<https://epramaan.meripehchaan.gov.in/>



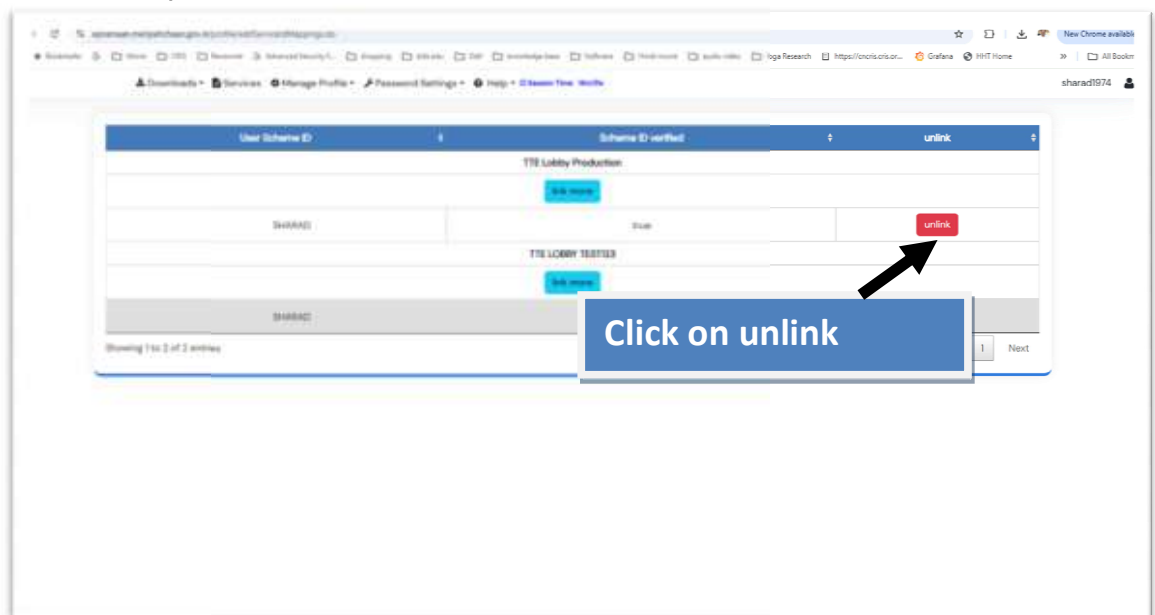
- (ii) After login, following screen will be displayed



- (iii) Click on password Setting → Mapping service ID



- (iv) Click on unlink icon and unmap your user from ePramaan portal.



- (v) After unmapping, now open TTE lobby application and click the login with ePramaan SSO ID and proceed for login and mapping your TTE user ID as steps given in 4.(g)

5) Duty Sign-On with Biometric authentication

- Open the TTE Lobby application homepage and Click on login button
- Click on "Login using ePramaan National SSO"
- It will open ePramaan portal.
- Enter ePramaan user ID and captcha.
- A new window will open requesting 'Consent for Aadhaar Authentication'. Select 'Agree' and click 'Submit'



- f) The LED light of fingerprint scanner will become on and then put your finger on fingerprint scanner for biometric authentication.
- g) After successful authentication, it will redirect on Dashboard of TTE Lobby application.
- h) Click on sign ON/OFF link
- i) And then select respective duty for sign ON/OFF activity.