

End-User Manual
for
e-Pramaan: A National e-Authentication Service

Submitted to



Department of Electronics & Information Technology
Ministry of Communications and Information Technology
Government of India

Submitted by



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Table of Contents

PURPOSE OF THE DOCUMENT	4
INTENDED AUDIENCE.....	4
COMMENTS AND SUGGESTIONS.....	4
DOCUMENT OVERVIEW	5
ABBREVIATIONS	6
STANDARDS & CONVENTIONS	7
REFERENCES.....	7
1. PROJECT OVERVIEW	8
2. E-PRAMAAN PURPOSE AND SCOPE	9
2.1 AUTHENTICATION FACTORS.....	9
3. END-USER REGISTRATION AND PROFILE MANAGEMENT.....	11
3.1 END-USER REGISTRATION AND LOGIN.....	11
3.1.1 End-User Registration.....	11
3.1.1.1 Registration using Aadhaar Number	11
3.1.1.2 Registration using PAN.....	15
3.1.1.3 Registration without using Identity Document	18
3.1.2 Email and Mobile Verification	21
3.1.3 Email ID Verification	22
3.1.4 Mobile Number Verification	22
3.1.5 End-User Login on e-Pramaan User Portal	23
3.1.6 End-User Logout from e-Pramaan Account	23
3.1.7 End-User Forgot Password	24
3.1.8 Unlock Locked Account.....	26
3.2 END-USER PROFILE MANAGEMENT	27
3.2.1 End-User Reset Password	27
3.2.2 End-User View Profile	28
3.2.3 End-User Edit Profile.....	29
3.2.4 View SP Services	32

Table of Figures

Figure 1: Snapshot of Registration Options on e-Pramaan.....	11
Figure 2: Snapshot of End-User Registration Process using Aadhaar.....	12
Figure 3: Snapshot of OTP Verification for Aadhaar.....	13
Figure 4: Snapshot of End-User Registration Form for Aadhaar-based Registration.....	14
Figure 5: Snapshot of End-User Registration Process using PAN.....	15
Figure 6: Snapshot of End-User Registration Form for PAN-based Registration.....	17
Figure 7: Snapshot of End-User Registration Process without using Identity Document.....	18
Figure 8: Snapshot of End-User Registration Form for Non-Identity-based Registration.....	20
Figure 9: Snapshot of Registration Verification Process.....	21
Figure 10: Snapshot of Mobile Verification Page.....	22
Figure 11: Snapshot of End-User Login Form.....	23
Figure 12: Snapshot of End-User Forgot Password Form.....	25
Figure 13: Snapshot of Verify OTP Form.....	25
Figure 14: Snapshot of Reset Password Form.....	25
Figure 15: Snapshot of Activate Locked Account Form.....	27
Figure 16: Snapshot of Verify Account Activation OTP Form.....	27
Figure 17: Snapshot of Reset Password Form.....	28
Figure 18: Snapshot of End-User View Profile.....	29
Figure 19: Snapshot of Verify User Form.....	31
Figure 20: Snapshot of End-User Edit Profile.....	32
Figure 21: Snapshot of Services Page.....	33

Purpose of the Document

The end-user manual provides step-by-step instructions to e-Pramaan end-users for registration on e-Pramaan user portal. The document also details steps for end-user login and logout once end-user account has been created on e-Pramaan user portal. End-user profile management on the portal is also detailed in the document.

Intended Audience

The intended audience for this document are the end-users of e-Pramaan who seek to create their accounts on e-Pramaan user portal as a means to login to various SP services while availing an enhanced and secure authentication mechanism.

Comments and Suggestions

For comments, suggestions and feedback on this document, kindly email to epramaan@cdac.in.

Document Overview

This document is organized as follows:

- Chapter 1, Project Overview - This chapter provides an overview of the e-Pramaan project objectives.
- Chapter 2, Purpose and Scope - This chapter lays out the overall scope and purpose of e-Pramaan.
- Chapter 3, End-user Registration and Profile Management – This chapter details the process flow for end-user registration and profile management on e-Pramaan user portal.

Abbreviations

Sr. #	Abbreviation	Full Form
1.	C-DAC	Centre for Development of Advanced Computing
2.	DeitY	Department of Electronics and Information Technology
3.	MSDG	Mobile e-Governance Service Delivery Gateway
4.	NSDG	National e-Governance Service Delivery Gateway
5.	SP	Service Providers
6.	SSDG	State e- Governance Service Delivery Gateway
7.	SSO	Single Sign On

Standards & Conventions

- ✓ NSI/IEEE for Integration document Format

References

- ✓ e-Pramaan Standards and Specification Document version 1.3
- ✓ Functional Requirement Specifications Document (FRS) v 1.3

e-Pramaan

1. Project Overview

As a part of National e-Governance Plan (NeGP), a number of central/state government services are accessible through internet as well as through mobile devices. These applications require user authentication in order to receive the intended benefits offered by various e-Governance services. Most of the applications in e-Governance area are implemented in silos, and hence authentication mechanism also differs across various applications. Disparate authentication mechanism results in lack of uniformity, a need for different identity proofs as well as multiple login and passwords to access the services offered by various government departments. Secondly, the authentication mechanisms followed by many applications may be very weak and insecure. There should be a provision for authenticating users as well as the services accessed by these users. A mutual authentication mechanism should exist where users can be authenticated to the application, and at the same time the users remain assured that the services accessed by them are authentic ones.

e-Pramaan is a national e-Authentication framework implemented by C-DAC Mumbai for Department of Electronics and Information Technology (DeitY), Government of India. It is a comprehensive framework to authenticate users of various government services in a safe and secured manner for accessing services through both desktop and mobile platforms.

e-Pramaan is an authentication framework for the purpose of e-Authentication which leverages on State e-Governance Service Delivery Gateway (SSDG), National e-Governance Service Delivery Gateway (NSDG), Mobile Service Delivery Gateway (MSDG), Aadhaar based Authentication and numerous others to bring uniformity across various authentication mechanisms currently in use by Govt. departments. e-Pramaan will not only act as a secured channel to access various services, but will also provide various value added services including Single Sign On (SSO) and transaction auditing for existing as well as for new users of various government services.

2. e-Pramaan Purpose and Scope

e-Pramaan will provide an added layer of security along with a strong authentication mechanism for users and various government departments availing authentication services at various levels. Users and departments interested in availing the services of the e-Authentication framework should initially register themselves on e-Pramaan. Registration process for SPs is described in detail in the subsequent sections of this document. As a part of the framework, various government departments will be able to integrate with this authentication framework through offered Application Programming Interfaces (API)/ Web Service Interfaces in a smooth and convenient manner without affecting the existing architecture of the running applications.

2.1 Authentication Factors

Authentication is a process in which a user's identity is verified based on the credentials provided by the user during registration or later when she modifies the profile or updates the credentials, such as a password where the assurance mechanism makes sure that "I am who I claim to be". e-Pramaan will provide various levels of authentication in the form of single or multi factor. The factors can be chosen by the departmental services on the basis of sensitivity requirements of the service. Users of e-Gov services, integrated with e-Pramaan will be termed as *SP (Service Provider) users*.

The choice of factor(s) for authentication will depend on the requirements as deemed fit by SPs. Use of additional factors will provide higher level of assurance for a safe and secure e-service experience. Multi factor is stronger than two factor which is stronger than a single factor. Government departments have an option of choosing any one or a combination of factors along with Username as per the combinations described below:

- i. **Single Factor** – Any one of the following factors: Password/Digital Signature Certificate (DSC)/Biometrics.
- ii. **Two Factor** – Combination of any two of the following factors along with the selected single factor: Password /One Time Password (OTP) / Digital Signature Certificate (DSC)/ Biometrics.
- iii. **Multi Factor** – Combination of any two and more of the following factors along with the selected single factor: Password/ Digital Signature Certificate (DSC) /One Time Password (OTP) / Biometrics.

For phase-I of e-Pramaan project, single factor of authentication will be password, while two factor authentication will consist of both password and OTP.

e-Pramaan

3. End-User Registration and Profile Management

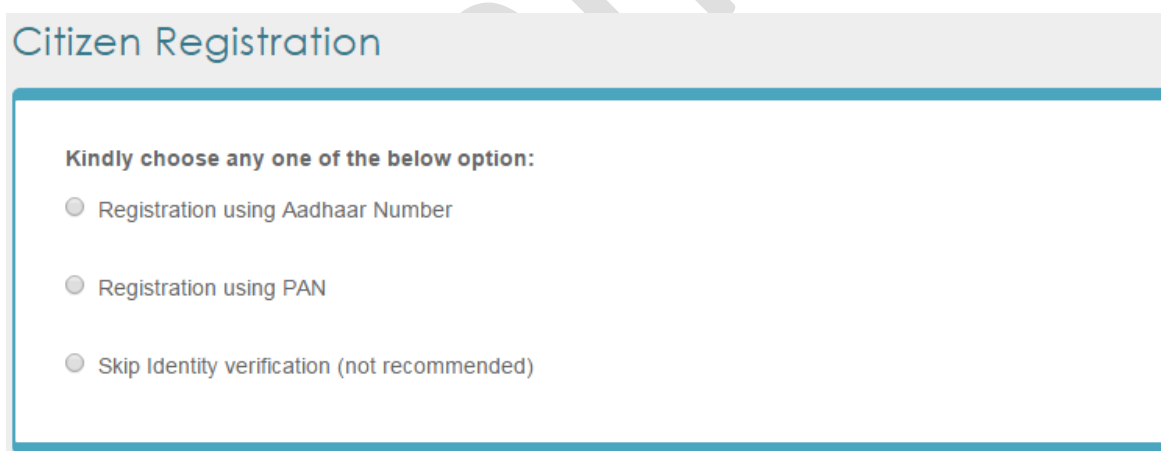
The process flow for end-user registration and profile management on e-Pramaan user portal is detailed in this chapter.

3.1 End-User Registration and Login

This section details out the process for end-user registration onto e-Pramaan user portal as well as the login process for logging in to the portal after successful registration.

3.1.1 End-User Registration

End-user is required to register onto e-Pramaan user portal before using e-Pramaan authentication mechanism and e-Pramaan ID to login into various services enlisted on e-Pramaan. End-user clicks on **Register** link on the home page of e-Pramaan user portal. Three options for registration are displayed to her; one using Aadhaar, second using PAN and third without using any identity document. These options are as illustrated in Figure 1. End-user can use Aadhaar number or PAN to register on e-Pramaan user portal or she may register without using any identity document.



Citizen Registration

Kindly choose any one of the below option:

- ☐ Registration using Aadhaar Number
- ☐ Registration using PAN
- ☐ Skip Identity verification (not recommended)

Figure 1: Snapshot of Registration Options on e-Pramaan

3.1.1.1 Registration using Aadhaar Number

The end-user willing to register onto e-Pramaan user portal using Aadhaar number is required to follow the below process.

- i.) End-user chooses to register on e-Pramaan user portal using Aadhaar Number as illustrated in Figure 2.

The screenshot shows a web form titled "Citizen Registration". Inside the form, there is a section titled "Kindly choose any one of the below option:". The first option is "Registration using Aadhaar Number", which is selected with a radio button. Below this option, there is a text input field labeled "Aadhaar". Underneath the input field, there is a label "Choose OTP medium" followed by three radio buttons: "Both", "Mobile", and "Email". Below these, there is a checkbox with the text "I provide my consent to ePramaan to share my credentials received through e-KYC of Aadhaar." To the right of the checkbox is a blue button labeled "Verify through e-KYC". Below the consent checkbox, there are two more radio button options: "Registration using PAN" and "Registration without Identity verification (not recommended)".

Figure 2: Snapshot of End-User Registration Process using Aadhaar

- ii.) End user enters her Aadhaar number and chooses either mobile/email as medium for receiving the OTP for Aadhaar Number verification. End user must also provide consent for sharing your credentials received through e-KYC of Aadhaar. These credentials will be used to prepopulate the citizen registration form for signing up on e-Pramaan User Portal.
- iii.) End user clicks on **Verify through e-KYC**. An OTP is sent by the Aadhaar verification system on the end-user's mobile number or email registered with Aadhaar. End-user needs to enter this OTP and check the box against **"Autofill my mobile number and email id received from Aadhaar"**. If this option is not chosen, end use must manually provide an email id or mobile number on the Citizen Registration Form for signing up on e-Pramaan. In case the end user has not received the OTP from Aadhaar, she can on **"Regenerate OTP for Aadhaar e-KYC"** link to receive the OTP again. The regenerate OTP option can be availed for a maximum of 5 times. End user clicks on **Verify**.

Figure 3: Snapshot of OTP Verification for Aadhaar

- iv.) On successful verification of the OTP, a Citizen Registration Form as illustrated in Figure 4 will be displayed which will be pre-populated with the Given Name, Date of Birth, Aadhaar number and Address fields received from Aadhaar. End-user needs to fill out the remaining details. End-user registration form contains the fields as enlisted in Table 1.

Table 1: End-user Registration Fields and Description

Field Name	Description
Given Name	Given name of the end-user
Username	Unique name for logging in to e-Pramaan user portal
Password	Password for logging in to e-Pramaan user portal
Confirm Password	Repeat the password for logging in to e-Pramaan user portal
Date of Birth	Date of birth of the end-user
Mobile Number	Mobile Number of the end-user
Email ID	Email ID of the end-user
Aadhaar Number	Aadhaar number of the end-user
House / Flat /	House / Flat / Building in end-user address
Landmark	Landmark in end-user address
Street	Street in end-user address
Locality	Locality in end-user address
City / District	City / District in which end-user resides
State	State where in which end-user resides
Pin Code	Pin Code of place where end-user resides
Security Question	Security Question for resetting password
Security Answer	Security Answer for resetting password
Personal Message	Message to be displayed for website authentication
Captcha	Captcha as displayed

☐ Aadhaar number has been successfully verified.

☐ Your Aadhaar data has been pre-populated, kindly fill other details to proceed.

Citizen Registration Form

Personal Information

Given Name *

XXXX RaXXXXXXXXan

Username *

userXXX@XX12

Password *

Password must be at least 8 characters long and must be a combination of upper case, lower case, numbers and non-alphanumeric characters excluding space character.

Confirm Password *

Date of Birth *

XX

January

19XX

(Mobile Number or Email Id is mandatory)

Verified Mobile Number

XXXXXXXX33

Email Id

XXXX@XXX.com

Aadhaar Number

XXXXXXXXXX99

Contact Address

House / Flat / Building

XX Flat XXX Bldg

Landmark

XXX Landmark

Street

XXX Road

Locality

XXXXXX

City / District

Mumbai

State

MAHARASHTRA

Pin Code

400XXX

Additional Information

Security Question *

-- Select --

Security Answer *

Personal Message *

This Personal Message will be displayed every time you login to e-Praamaan site. The site is an authentic site only if the same personal message given during registration is displayed.

Captcha *

Captcha letters are case sensitive

lifts

☐ Accept "Terms" and "Policies" of e-Praamaan.

Sign Up

Back

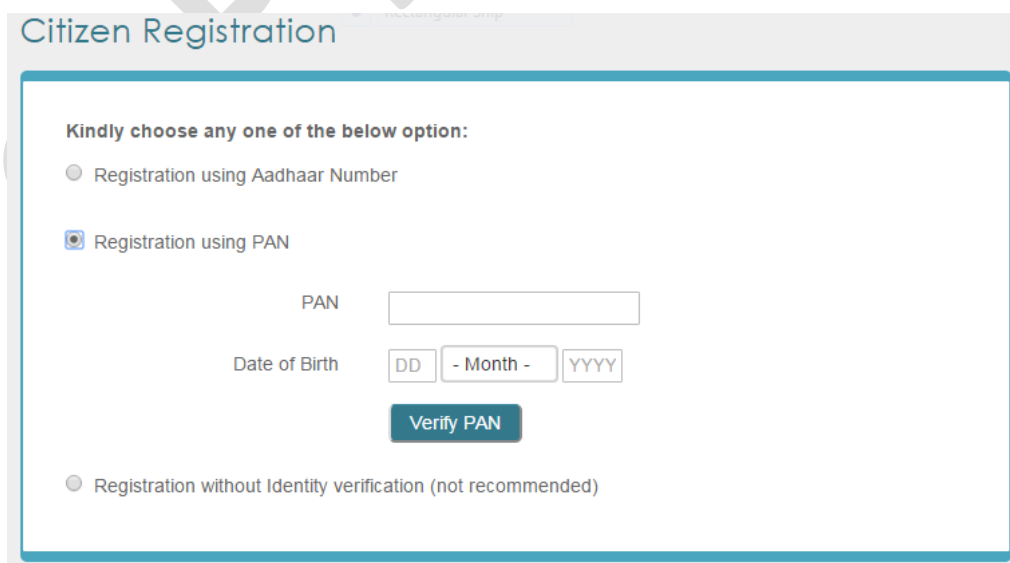
Figure 4: Snapshot of End-User Registration Form for Aadhaar-based Registration

- v.) On successful submission of this form, end-user account is created on e-Pramaan. If the end-user has provided her email id and mobile number, an email verification link will be sent on the provided email id and a verification code will be sent over the provided mobile number. In case only the email id is provided by the user, an email verification link will be sent on the provided email id. In case only the mobile number is provided by the user, a verification code will be sent on the provided mobile number.
- vi.) User will be now be able to login to the e-Pramaan user portal but will not be allowed to use services offered by e-Pramaan unless email or mobile is verified. User needs to verify email/mobile within 2 days of registration, failing which the created account will be de-registered. The email and mobile verification process is explained in section 3.1.2.
- vii.) Once the mobile/email verification process is successful, the registration process is complete and the end-user can start availing the services offered by e-Pramaan.

3.1.1.2 Registration using PAN

End-user willing to register onto e-Pramaan user portal using PAN is required to follow the below process.

- i.) End-user chooses to register on e-Pramaan user portal using PAN as illustrated in Figure 5.



The screenshot shows a web form titled "Citizen Registration". Inside the form, there is a section titled "Kindly choose any one of the below option:". There are three radio button options: "Registration using Aadhaar Number", "Registration using PAN" (which is selected), and "Registration without Identity verification (not recommended)". Below the "Registration using PAN" option, there are input fields for "PAN", "Date of Birth" (with sub-fields for DD, - Month -, and YYYY), and a "Verify PAN" button.

Figure 5: Snapshot of End-User Registration Process using PAN

- ii.) End user enters her PAN and date of birth and clicks on **Verify PAN**.
- iii.) On successful PAN verification, a form for end-user registration on e-Pramaan as illustrated in Figure 6 is displayed. In PAN-based registration, given name, date of birth and PAN details will be fetched from PAN service and prepopulated in the form. End-user needs to fill out the remaining details. End-user registration form contains the fields as enlisted in Table 2.

Table 2: End-user Registration Fields and Description

Field Name	Description
Given Name	Given name of the end-user
Username	Unique name for logging in to e-Pramaan user portal
Password	Password for logging in to e-Pramaan user portal
Confirm Password	Repeat the password for logging in to e-Pramaan user portal
Date of Birth	Date of birth of the end-user
Mobile Number	Mobile Number of the end-user
Email ID	Email ID of the end-user
PAN Card	PAN of the end-user
House / Flat / Building	House / Flat / Building in end-user address
Landmark	Landmark in end-user address
Street	Street in end-user address
Locality	Locality in end-user address
City / District	City / District in which end-user resides
State	State where in which end-user resides
Pin Code	Pin Code of place where end-user resides
Security Question	Security Question for resetting password
Security Answer	Security Answer for resetting password
Personal Message	Message to be displayed for website authentication
Captcha	Captcha as displayed

PAN Number has been successfully verified.

Your PAN data has been pre-populated, kindly fill other details to proceed.

Citizen Registration Form

Personal Information

Given Name *

XXXX RaXXXXXXXXan

Username *

Password *

Password must be at least 8 characters long and must be a combination of upper case, lower case, numbers and non-alphanumeric characters excluding space character.

Confirm Password *

Date of Birth *

XX

January

19XX

(Mobile Number or Email Id is mandatory)

Mobile Number

Email Id

Identity Information

PAN

XXXXX7049X

Contact Address

House / Flat / Building

Landmark

Street

Locality

City / District

State

-- Select --

Pin Code

Additional Information

Security Question *

-- Select --

Security Answer *

Personal Message *

This Personal Message will be displayed every time you login to e-Praamaan site. The site is an authentic site only if the same personal message given during registration is displayed.

Captcha *

Captcha letters are case sensitive

tables

Yes, I agree to share my information with Service Providers.

Sign Up

Back

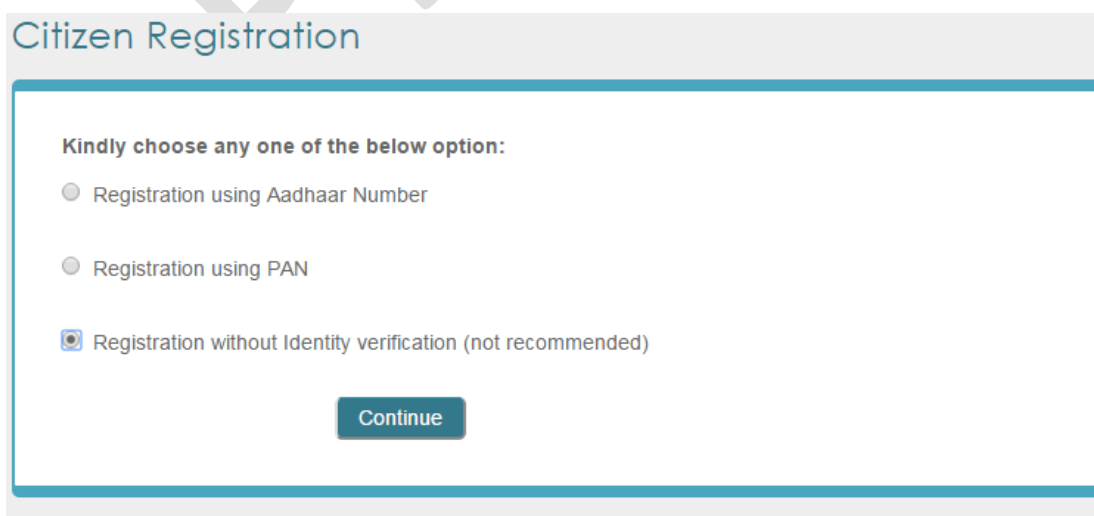
Figure 6: Snapshot of End-User Registration Form for PAN-based Registration

- iv.) On successful submission of this form, end-user account is created on e-Pramaan. If the end-user has provided her email id and mobile number, an email verification link will be sent on the provided email id and a verification code will be sent over the provided mobile number. In case only the email id is provided by the user, an email verification link will be sent on the provided email id. In case only the mobile number is provided by the user, a verification code will be sent on the provided mobile number.
- v.) User will be now be able to login to the e-Pramaan user portal but will not be allowed to use services offered by e-Pramaan unless email or mobile is verified. User needs to verify email/mobile within 2 days of registration, failing which the created account will be de-registered. The email and mobile verification process is explained in section 3.1.2
- vi.) Once the mobile/email verification process is successful, the registration process is complete and the end-user can start availing the services offered by e-Pramaan.

3.1.1.3 Registration without using Identity Document

End-user willing to register onto e-Pramaan user portal without using any identity document is required to follow the below process.

- i.) End-user chooses the **Skip Identity Verification (not recommended)** option to register on e-Pramaan user portal illustrated in Figure 7. User then clicks on **Continue**.



The screenshot shows a web form titled "Citizen Registration". Inside the form, there is a heading "Kindly choose any one of the below option:". Below this heading are three radio button options: "Registration using Aadhaar Number", "Registration using PAN", and "Registration without Identity verification (not recommended)". The third option is selected, indicated by a blue dot. At the bottom of the form, there is a blue button labeled "Continue".

Figure 7: Snapshot of End-User Registration Process without using Identity Document

- ii.) A form for end-user registration on e-Pramaan as illustrated in Figure 8 is displayed. End-user needs to fill out the mandatory details. End-user registration form contains the fields as enlisted in Table 3.

Table 3: End-user Registration Fields and Description

Field Name	Description
Given Name	Given name of the end-user
Username	Unique name for logging in to e-Pramaan user portal
Password	Password for logging in to e-Pramaan user portal
Confirm Password	Repeat the password for logging in to e-Pramaan user portal
Date of Birth	Date of birth of the end-user
Mobile Number	Mobile Number of the end-user
Email ID	Email ID of the end-user
PAN Card	PAN of the end-user
Aadhaar Number	Aadhaar number of the end-user
House / Flat / Building	House / Flat / Building in end-user address
Landmark	Landmark in end-user address
Street	Street in end-user address
Locality	Locality in end-user address
City / District	City / District in which end-user resides
State	State where in which end-user resides
Pin Code	Pin Code of place where end-user resides
Security Question	Security Question for resetting password
Security Answer	Security Answer for resetting password
Personal Message	Message to be displayed for website authentication
Captcha	Captcha as displayed

Citizen Registration Form

[Instructions](#)

Personal Information

Given Name *

Username *

Password *

Password must be at least 8 characters long and must be a combination of upper case, lower case, numbers and non-alphanumeric characters excluding space character.

Confirm Password *

Date of Birth * - -

(Mobile Number or Email Id is mandatory)

Mobile Number

Email Id

Identity Information

PAN

Given date of birth and PAN date of birth must match for successful PAN verification.

Aadhaar

Kindly enter valid Aadhaar Number (i.e 123412341234).

Contact Address

House / Flat / Building

Landmark

Street

Locality

City / District

State

Pin Code

Additional Information

Security Question *

Security Answer *

Personal Message *

This Personal Message will be displayed every time you login to e-Praamaan site. The site is an authentic site only if the same personal message given during registration is displayed.

Captcha *

Captcha letters are case sensitive

reason

☐ Accept "Terms" and "Policies" of e-Praamaan.

Figure 8: Snapshot of End-User Registration Form for Non-Identity-based Registration

- iii.) On successful submission of this form, end-user account is created on e-Pramaan. If the end-user has provided her email id and mobile number, an email verification link will be sent on the provided email id and a verification code will be sent over the provided mobile number. In case only the email id is provided by the user, an email verification link will be sent on the provided email id. In case only the mobile number is provided by the user, a verification code will be sent on the provided mobile number.
- iv.) User will be now be able to login to the e-Pramaan user portal but will not be allowed to use services offered by e-Pramaan unless email or mobile is verified. User needs to verify email/mobile within 2 days of registration, failing which the created account will be de-registered. The email and mobile verification process is explained in section 3.1.2

Once the mobile/email verification process is successful, the registration process is complete and the end-user can start availing the services offered by e-Pramaan.

3.1.2 Email and Mobile Verification

Once the registration form is filled and successfully submitted, end-user is redirected to the Registration Verification Process page as illustrated in Figure 9 to verify her email id and mobile number. User needs to verify email/mobile within 2 days of registration, failing which the created account will be de-registered.

Registration Verification Process

To complete registration process, kindly verify by Email / Mobile 03 May 2015 12:00:00 AM IST.

Personal Information

Date of Birth	20 May 1985
Mobile Number	9XXXX89XXX ❌ (not verified) Verify
Email Id	abcd@gmail.com ❌ (not verified) Send verification link

[Edit Verification Details](#)

Figure 9: Snapshot of Registration Verification Process

3.1.3 Email ID Verification

End-user need to follow the below steps for verifying her email id on e-Pramaan.

- i.) End-user needs to log in to her email account and click on the email verification link sent by e-Pramaan.
- ii.) Once the link is successfully verified, end-user can start availing the services of e-Pramaan.
- iii.) The **Send verification link** can be used for a maximum of 7 times to resend the email verification link in case the user is unable to receive the same.

3.1.4 Mobile Number Verification

End-user need to follow the below steps for verifying her mobile number on e-Pramaan.

- i.) On the Registration Verification Process page, click on **Verify**.
- ii.) End-user needs to enter the verification code received on her mobile immediately after submitting the registration form.
- iii.) After entering the verification code, click on **Verify**.

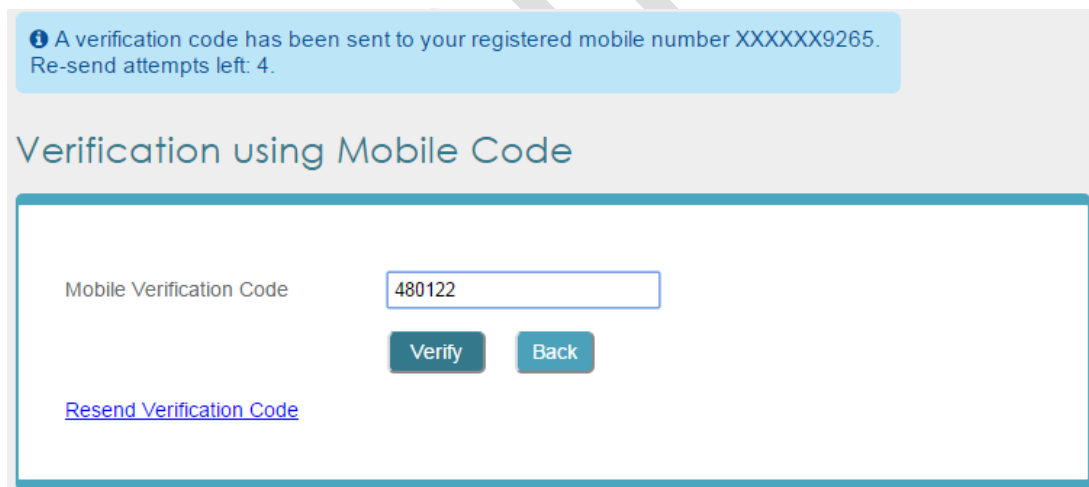


Figure 10: Snapshot of Mobile Verification Page

- iv.) Once the mobile number is successfully verified, end-user can start availing the services of e-Pramaan.
- v.) The **Resend Verification Code** can be used for a maximum of 4 times to resend the verification code in case the user is unable to receive the same.

3.1.5 End-User Login on e-Pramaan User Portal

End-user logs in to e-Pramaan user portal using the **Sign In** link provided on the home page of e-Pramaan user portal.

- i.) End-user needs to enter the chosen username/Aadhaar Number, password and captcha on the Login Form as shown in Figure 11 and click on **Login**.
- ii.) On successful data validation and credential verification, end-user will be logged into respective e-Pramaan account.

Figure 11: Snapshot of End-User Login Form

The fields appearing on the Login Form and their description have been enlisted in the Table 4.

Table 4: End-User Login Fields and Description

Field Name	Description
Username/Aadhaar Number	Username chosen by end-user during registration for logging in to e-Pramaan user portal / Aadhaar Number of the end-user
Password	Password for logging in to e-Pramaan user portal
Captcha	Text as displayed

3.1.6 End-User Logout from e-Pramaan Account

End-user can log out of her e-Pramaan account using the **Sign Out** link provided on the user profile page.

3.1.7 End-User Forgot Password

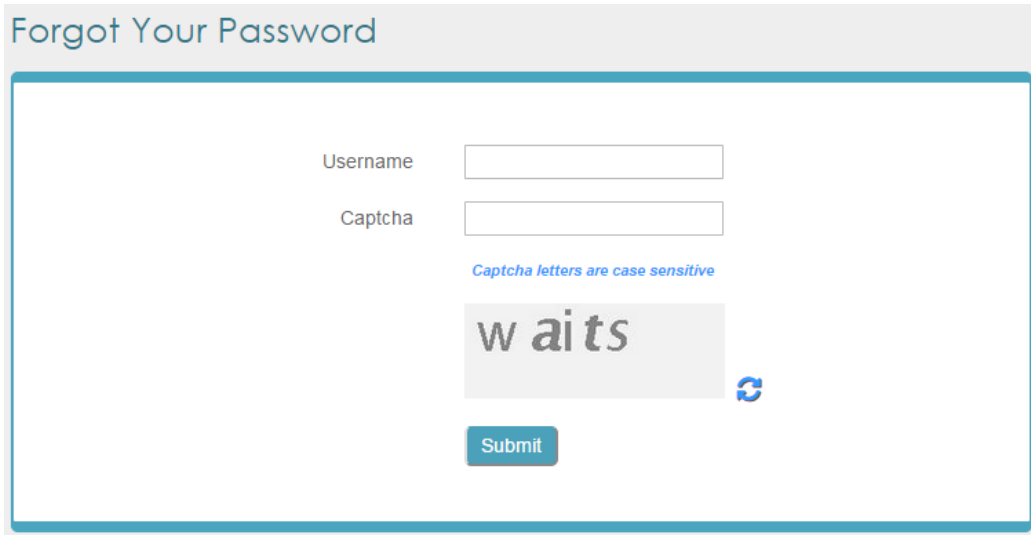
End-user can reset forgotten password by using the **Forgot Password** link provided on the login page and by following the below process.

- i.) End-user will click on **Forgot Password** link. This will display the Forgot Password form as shown in Figure 12.
- ii.) End-user will have to enter the username for which password is to be reset and also enter the captcha as displayed and click on **Submit** button.
- iii.) System sends OTP on the end user's mobile number. In case the end user has not provided her mobile number or if her mobile number is not verified, a verification link is sent over the end user's verified email id.
- iv.) If email link is sent on the end user's verified email id, she needs to click on the link to verify the same. In case of verification code sent over the verified mobile number, end-user is required to enter the OTP on the form as shown in Figure 13.
- v.) Once the verification code or the link is verified, Reset Password form is displayed as illustrated in Figure 14. End-user needs to enter values for new password, confirm password and captcha after which the new password is set.

The fields appearing on end-user Forgot Password and Reset Password Forms and their description have been enlisted in the Table 5.

Table 5: End-User Forgot Password and Reset Password Fields and Description

Fields	Description
User Name	Username for which password is required to be reset.
OTP	One-Time Password sent on end-user's verified mobile number
Password	Password for logging in to e-Pramaan user portal
Confirm Password	Repeat password for logging in to e-Pramaan user portal
Captcha	Text as displayed



Forgot Your Password

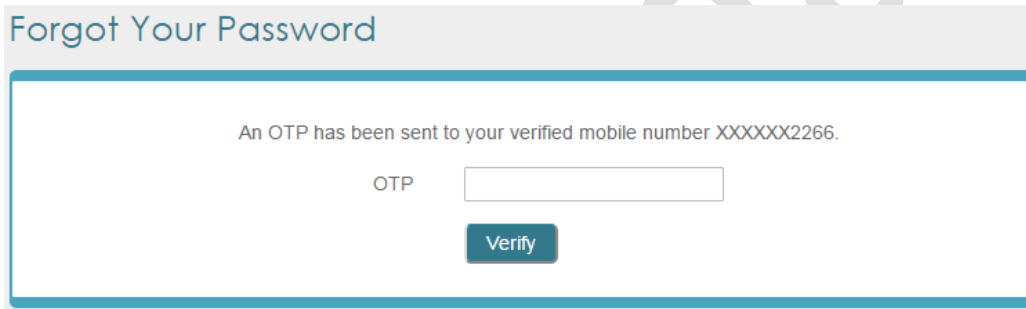
Username

Captcha

Captcha letters are case sensitive

waits

Figure 12: Snapshot of End-User Forgot Password Form

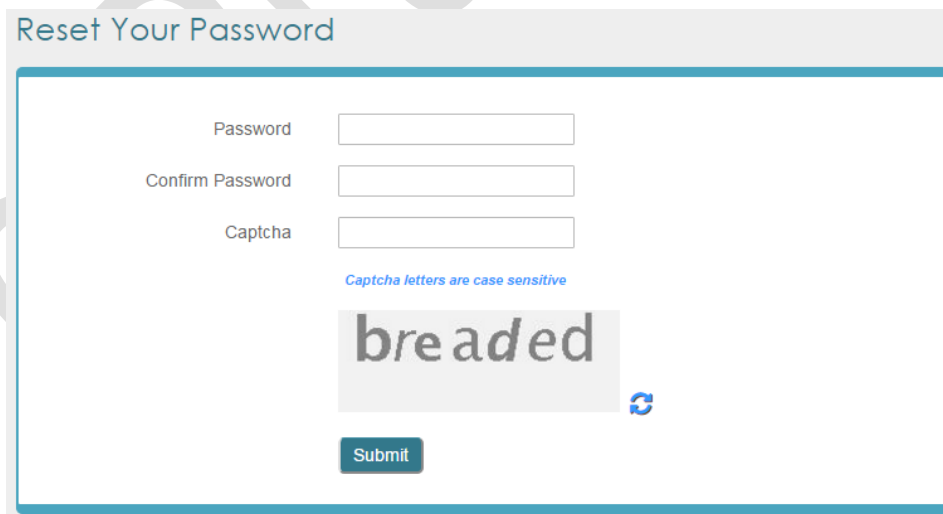


Forgot Your Password

An OTP has been sent to your verified mobile number XXXXXX2266.

OTP

Figure 13: Snapshot of Verify OTP Form



Reset Your Password

Password

Confirm Password

Captcha

Captcha letters are case sensitive

breaded

Figure 14: Snapshot of Reset Password Form

3.1.8 Unlock Locked Account

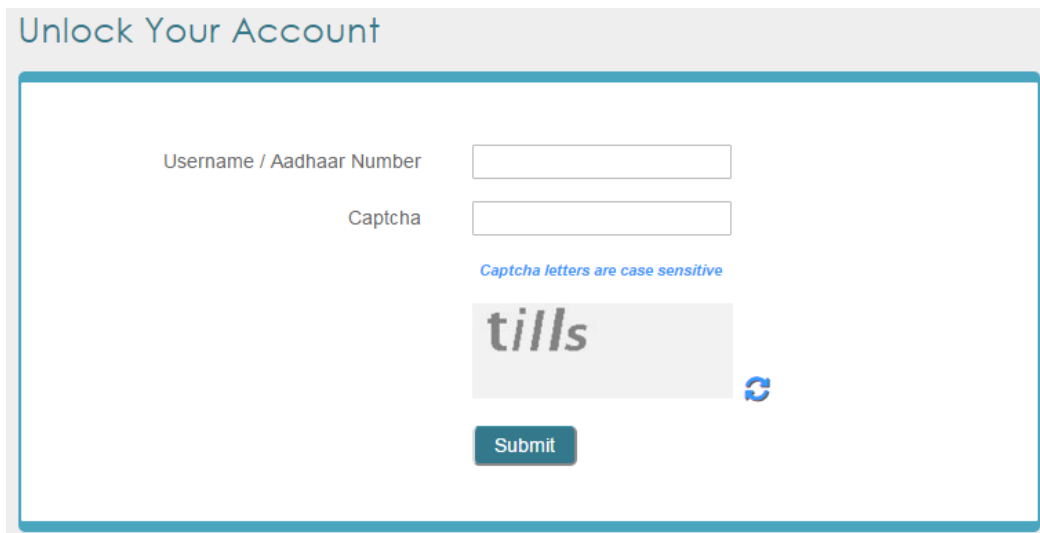
End-user can activate locked account on e-Pramaan user portal using the **Unlock Your Account** link on the home page of e-Pramaan user portal by following the below process.

- i.) End-user can choose to activate locked account using either email or mobile.
- ii.) System will display **Unlock Your Account** form as illustrated in Figure 15.
- iii.) End-user needs to enter username/Aadhaar Number and captcha and click on **Submit**.
- iv.) If end-user has chosen to activate her account using email, an activation link will be sent to the her registered email, while if she has chosen to activate her account using mobile, an OTP will be sent to her registered mobile.
- v.) If end-user has chosen to activate her account using email, she needs to click on activation link sent on her verified email id, else if she has chosen to activate her account using mobile, she is required to enter the OTP sent over her verified mobile number on the **Verify One Time Password** form shown in Figure 16.
- vi.) End-user account is activated on e-Pramaan user portal.

The fields involve in locked account activation and their description have been enlisted in the Table 6.

Table 6: Activate Locked Account Fields and Description

Field Name	Description
User Name/Aadhaar Number	Username/Aadhaar Number of end-user for which password is required to be reset.
Captcha	Text as displayed
Account Activation One Time Password (OTP)	OTP received on verified mobile number of end-user for activating locked account.




Unlock Your Account

Username / Aadhaar Number

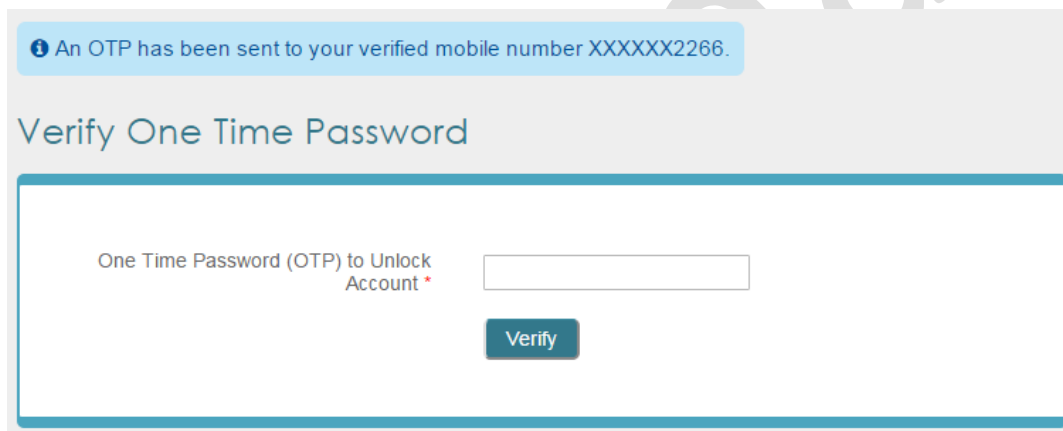
Captcha

Captcha letters are case sensitive

tills 

Submit

Figure 15: Snapshot of Activate Locked Account Form



An OTP has been sent to your verified mobile number XXXXXX2266.

Verify One Time Password

One Time Password (OTP) to Unlock Account *

Verify

Figure 16: Snapshot of Verify Account Activation OTP Form

3.2 End-User Profile Management

This section details out the activities involved in the management of end-user profile on e-Pramaan user portal. These activities include resetting password, viewing and editing end-user profile and viewing SP services enlisted on e-Pramaan.

3.2.1 End-User Reset Password

End-user can reset password using the **Reset Password** link after logging into respective e-Pramaan account on e-Pramaan user portal. The below steps will be followed for resetting end-user password on e-Pramaan user portal.

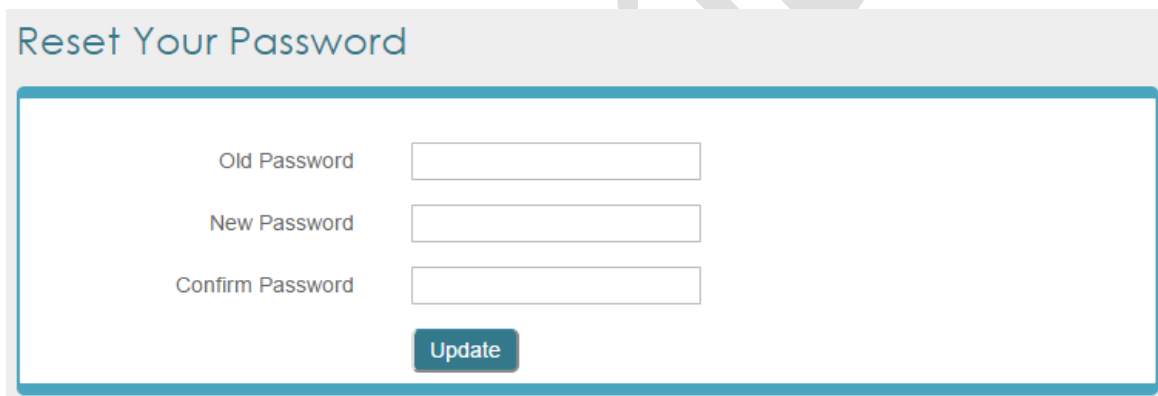
- i.) On clicking the **Reset Password** link, Reset Password form as illustrated in Figure 17 appears. End-user is prompted to enter old password, new password and to re-enter new password.

The fields appearing on end-user Reset Password Form and their description have been enlisted in the Table 7.

Table 7: End-User Reset Password Fields and Description

Field Name	Description
Old Password	Current password for logging in to e-Pramaan user portal
New Password	New password chosen by end-user for logging in to e-Pramaan user portal
Confirm password	Repeat new password chosen by end-user for logging in to e-Pramaan user portal

- ii.) On successful verification of the old password, and after syntactical and strength validation of the new password, the password is reset.



The image shows a web form titled "Reset Your Password". It has a light blue header bar with the title. Below the header, there is a white box with a blue border containing the form fields. The fields are labeled "Old Password", "New Password", and "Confirm Password", each followed by a text input field. At the bottom of the form, there is a blue button with the text "Update".

Figure 17: Snapshot of Reset Password Form

3.2.2 End-User View Profile

End-user can view her profile on e-Pramaan user portal by logging into e-Pramaan account and clicking on **View Profile** link.

User Profile

Personal Information

Given Name	SXXXXXTH KXPXXR
Date of Birth	20 April 1989
Verified Mobile Number	9XX8XXXXX5 ✓
Verified Email Id	abcdef@gmail.com ✓

Identity Information

PAN	XXXXX6789X
Aadhaar	XXXX XXXX XXXX

Contact Address

House / Flat / Building	34 MG Road
Landmark	XXXXXX XXXXXXX
Street	9th Street
Locality	XXXXXXXXXXXXX
City / District	Mumbai
State	Maharashtra
Pin Code	400049

Additional Information

Personal Message	cdac
------------------	------

[Edit User Profile](#)

Figure 18: Snapshot of End-User View Profile

3.2.3 End-User Edit Profile

End-user can update her profile by logging into the e-Pramaan user portal and clicking on **Edit Profile** link. End-user can update all fields except identity documents. Identity document can be added, but cannot be modified.

- i.) End-user clicks on **Edit Profile** link and is taken to the **Verify User** form as illustrated in Figure 19. She is required to authenticate herself by providing her password. End user is also prompted to enter a captcha. Once she is successfully verified, the Edit Profile form is displayed as shown in Figure 20.

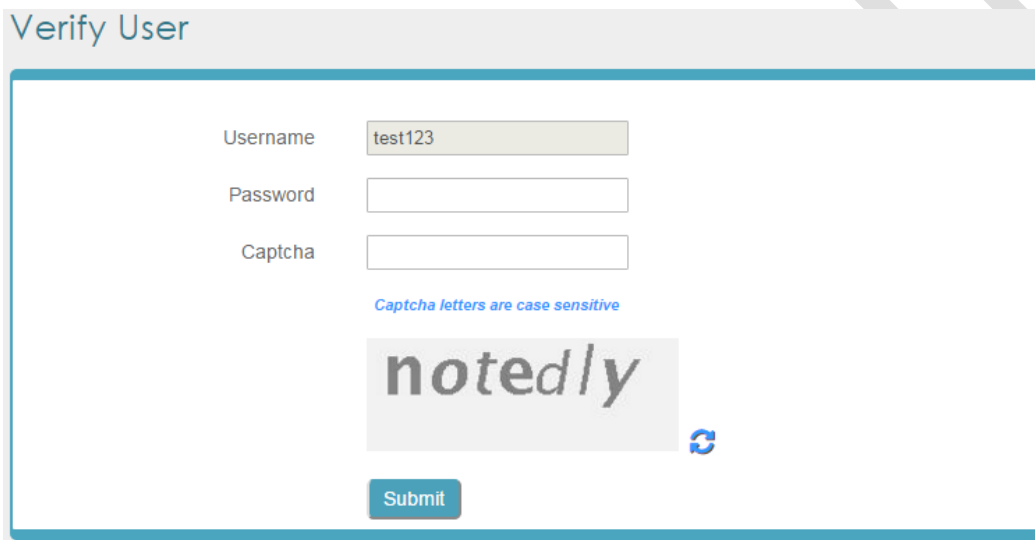
The fields appearing on end-user Edit Profile Form and their description have been enlisted in the Table 8.

Table 8: End-User Edit Profile Fields and Description

Field Name	Description
Given Name	Given name of the end-user. The field can be modified only if the Aadhaar number of the end-User is not verified.
Date of Birth	Date of birth of the end-user. The field can be modified only if the Aadhaar number of the end-User is not verified.
Verified Mobile Number	Verified mobile number of the end-user
New Mobile Number	New mobile number of the end-user
Verified Email ID	Verified email ID of the end-user
New Email ID	New email ID of the end-user
Aadhaar Number	Aadhaar Number of the end-user. This can be updated if it is not already verified.
PAN Card	PAN of the end-user. This can be updated if it is not already verified.
Digital Certificate	Digital Certificate possessed by the end-user. This can be updated if it is not already verified.
House / Flat / Building	House / Flat / Building in end-user address. The field can be modified only if the Aadhaar number of the end-User is not verified.
Landmark	Landmark in end-user address. The field can be modified only if the Aadhaar number of the end-User is not verified.
Street	Street in end-user address. The field can be modified only if the Aadhaar number of the end-User is not verified.
Locality	Locality in end-user address. The field can be modified only if the Aadhaar number of the end-User is not verified.
City / District	City / District in which end-user resides. The field can be modified only if the Aadhaar number of the end-User is not verified.
State	State where in which end-user resides. The field can be modified only if the Aadhaar number of the end-User is not verified.
Pin Code	Pin Code of place where end-user resides. The field can be modified only if the Aadhaar number of the end-User is not verified.
Personal Message	Message to be displayed for website authentication
Captcha	Captcha as displayed

- ii.) End-user can update multiple fields by changing their values and clicking on update. Email id and mobile number will be updated only after verification through email verification link and mobile OTP respectively. Identity documents will be added to the profile only after due verification.

- iii.) If end-user has registered through Aadhaar, given name, date of birth, mobile number address and Aadhaar number fields will be non-editable. While if the end-user has registered using PAN, given name, date of birth and PAN fields will be non-editable. In case the end-user has registered using Aadhaar, she may add her PAN using Edit Profile option. In case the end-user has registered using PAN, she may add her Aadhaar Number using Edit Profile option. However, once the Aadhaar number is verified, given name, date of birth, mobile number and address fields will be overwritten and will become non-editable.



Verify User


Username

Password

Captcha

Captcha letters are case sensitive

notedly



Submit

Figure 19: Snapshot of Verify User Form

Edit User Profile

Personal Information

Given Name *

Date of Birth *

(Mobile Number or Email Id is mandatory)

Verified Mobile Number

New Mobile Number

Verified Email Id

New Email Id

Identity Information

PAN

Given date of birth and PAN date of birth must match for successful PAN verification.

Aadhaar

Kindly enter valid Aadhaar Number (i.e 123412341234).

Contact Address

House / Flat / Building

Landmark

Street

Locality

City / District

State

Pin Code

Additional Information

Personal Message *

This Personal Message will be displayed every time you login to e-Praamaan site. The site is an authentic site only if the same personal message given during registration is displayed.

Captcha *

Captcha letters are case sensitive


 ☐

Figure 20: Snapshot of End-User Edit Profile

3.2.4 View SP Services

End-user can view services enlisted on e-Praamaan using the Services features of the e-Praamaan user portal. End-user can click on any of the services and if she already is a registered user of

the service, she is redirected to the service page and is logged into the service through e-Pramaan.

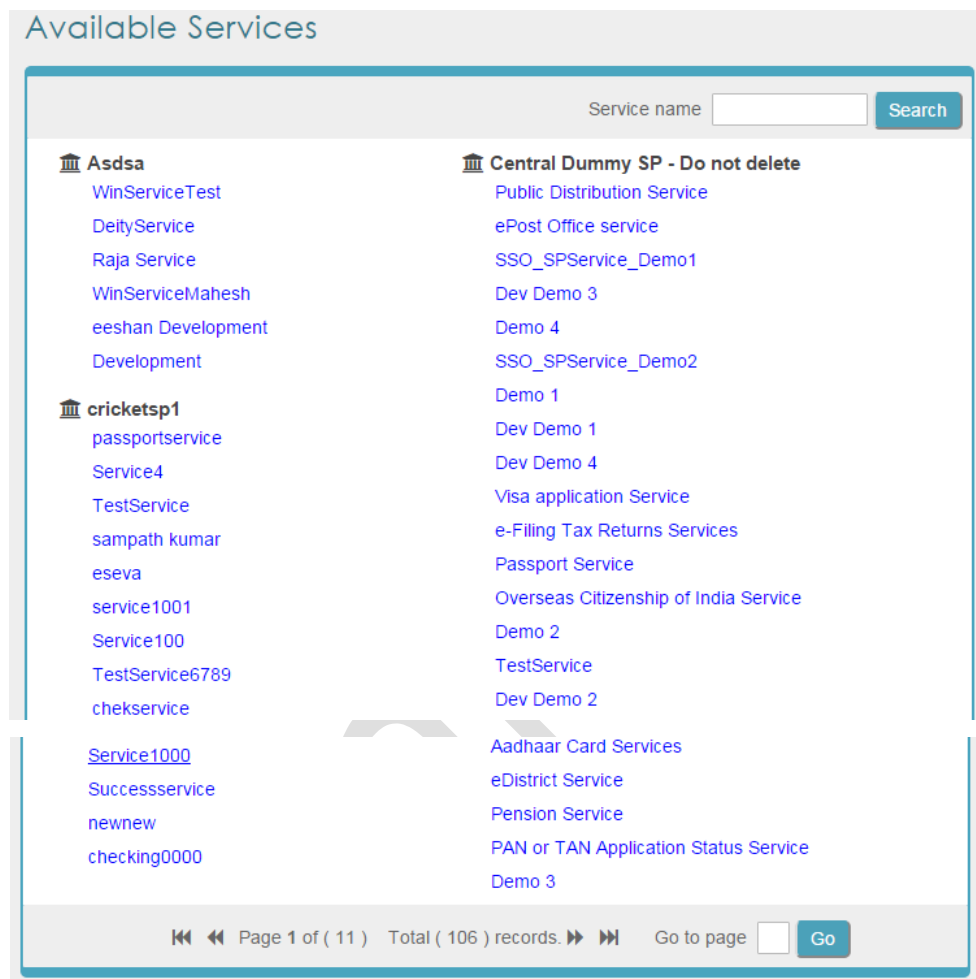


Figure 21: Snapshot of Services Page