**Sprint 1**

**Epic: User Authentication System**

**Epic Goal :** Implement secure registration and login functionality for citizens, government institutes, and government employees.

**User Stories Breakdown:**

* Registration Features

1. User Type Selection

As a new user, I want to select my user type (citizen, government institute, or government employee) so that I can register with the appropriate form.

1. Citizen Registration

As a citizen, I want to input my personal details (name, ID, mobile number, etc.) so I can create an account to access government services.

1. Government Institute Registration

As a government institute representative, I want to input our institute details (institution name, registration number, authorized representative details) so we can register our organization.

1. Government Employee Registration

As a government employee, I want to input my employee details (employee ID, department, position) along with personal details so I can register for system access.

1. Mobile Verification

As a user registering for the system, I want to receive and enter a verification code sent to my mobile number so my account can be activated securely.

* Login Features

1. Two-Step Login

As a registered user, I want to first enter my ID and user type, then be prompted for my password so I can securely access my account.

1. Password Reset

As a user who forgot my password, I want to request a password reset via mobile verification so I can regain access to my account.

1. Password Change

As a logged-in user, I want to change my password after successful login so I can maintain account security.

**User Journeys:**

* New Citizen Registration Journey

1. accesses registration page

2. Selects "Citizen" as user type

3. Fills in citizen registration form with personal details

4. Receives SMS verification code

5. Enters verification code to complete registration

6. Receives confirmation and account credentials

* Government Employee Login Journey

1. User accesses login page

2. Enters employee ID and selects "Government Employee" type

3. Is redirected to password entry page

4. Enters correct password

5. Gains access to employee dashboard

* Password Recovery Journey

1. User clicks "Forgot Password"

2. Enters ID and user type

3. Receives SMS verification code

4. Enters verification code

5. Sets new password

6. Receives confirmation of password change

Use Case Descriptions

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| --- | --- |
| UC-01 | Register New User |
| Actors | Citizen, Government Institute Representative, Government Employee |
| Preconditions | User does not have an existing account |
| Main Flow | 1. System displays user type selection screen  2. User selects type (citizen/institute/employee)  3. System displays appropriate registration form  4. User completes form and submits  5. System validates data and sends SMS verification code  6. User enters received code  7. System verifies code and creates account  8. System displays success message |
| Alternative Flows | -Invalid data: System displays error messages  - Verification timeout: System allows resend of code  - Existing user: System informs user account exists |
| Postconditions | User account created and verified. |

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| --- | --- |
| UC-02 | User Login |
| Actors | All registered users |
| Preconditions | User has a registered account |
| Main Flow | 1. System displays initial login screen (ID + user type)  2. User enters credentials  3. System validates and displays password screen  4. User enters password  5. System authenticates and grants access  6. System displays appropriate dashboard |
| Alternative Flows | * Invalid credentials: System displays error * Forgotten password: User initiates password recovery |
| Postconditions | User logged in. |

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| --- | --- |
| UC-03 | Password Recovery |
| Actors | All registered users |
| Preconditions | User has registered mobile number |
| Main Flow | 1. User selects "Forgot Password"  2. System prompts for ID and user type  3. User provides information  4. System sends SMS verification code  5. User enters code  6. System verifies and allows password reset  7. User enters new password  8. System confirms password change |
| Postconditions | Password updated. |