

System Flow Overview

The system flow is divided into three main user roles:

1. **Student Flow:** For voting and viewing results.
2. **College Admin Flow:** For managing college-specific elections.
3. **Super Admin Flow:** For managing university-wide elections and overseeing college admins.

1. Student Flow

Step 1: Login

1. Student navigates to the **Login Page**.
2. Enters their **student ID, email, or username**.
3. Clicks "Submit".

Step 2: OTP Verification

1. System sends an **OTP** to the student's registered email.
2. Student enters the OTP on the **OTP Verification Page**.
3. System verifies the OTP.
 - If valid, the student is logged in.
 - If invalid, the student is prompted to re-enter the OTP.

Step 3: View Election Dashboard

1. Student is redirected to the **Election Dashboard**.
2. Dashboard displays:
 - Ongoing elections (university-wide or college-specific).
 - Upcoming elections.
3. Student selects an election to vote in.

Step 4: Cast Vote

1. Student is redirected to the **Voting Page**.
2. Voting Page displays:
 - List of positions (e.g., President, Secretary).
 - Candidates for each position with their platforms.
3. Student selects a candidate for each position.
4. Clicks "Submit Vote".

5. System records the vote and marks the student as "voted" (has_voted = true).

Step 5: Logout

1. Student is automatically logged out after voting.
 2. Student cannot log in again for the same election.
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2. College Admin Flow

Step 1: Login

1. College Admin navigates to the **Login Page**.
2. Enters their **email and password**.
3. Clicks "Submit".

Step 2: View Admin Dashboard

1. College Admin is redirected to the **Admin Dashboard**.
2. Dashboard displays:
 - List of college-specific elections.
 - Options to create, edit, or delete elections.

Step 3: Create Election

1. College Admin clicks "Create Election".
2. Fills out the election form:
 - Title.
 - Scope (college-specific).
 - Start and end times.
3. Adds positions and candidates for the election.
4. Clicks "Save".

Step 4: Monitor Election

1. College Admin views real-time election statistics:
 - Total voters.
 - Total votes cast.
 - Voter turnout.
2. Can view individual candidate performance.

Step 5: Generate Reports

1. College Admin clicks "Generate Report".
 2. System generates a report with election statistics.
 3. Admin can download the report in PDF or CSV format.
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3. Super Admin Flow

Step 1: Login

1. Super Admin navigates to the **Login Page**.
2. Enters their **email and password**.
3. Clicks "Submit".

Step 2: View Super Admin Dashboard

1. Super Admin is redirected to the **Super Admin Dashboard**.
2. Dashboard displays:
 - List of university-wide elections.
 - List of college admins.
 - Options to create, edit, or delete elections.

Step 3: Create University-Wide Election

1. Super Admin clicks "Create Election".
2. Fills out the election form:
 - Title.
 - Scope (university-wide).
 - Start and end times.
3. Adds positions and candidates for the election.
4. Clicks "Save".

Step 4: Manage College Admins

1. Super Admin clicks "Manage College Admins".
2. Can:
 - Add new college admins.
 - Edit existing college admins.
 - Delete college admins.

Step 5: Monitor All Elections

1. Super Admin views real-time statistics for all elections (university-wide and college-specific).
2. Can view:
 - Total voters.
 - Total votes cast.
 - Voter turnout.

Step 6: Generate Reports

1. Super Admin clicks "Generate Report".
2. System generates a report with election statistics.
3. Admin can download the report in PDF or CSV format.

Student Flow

Login → OTP Verification → Election Dashboard → Voting Page → Logout

College Admin Flow

Login → Admin Dashboard → Create Election → Monitor Election → Generate Reports

Super Admin Flow

Login → Super Admin Dashboard → Create Election → Manage College Admins → Monitor All Elections → Generate Reports