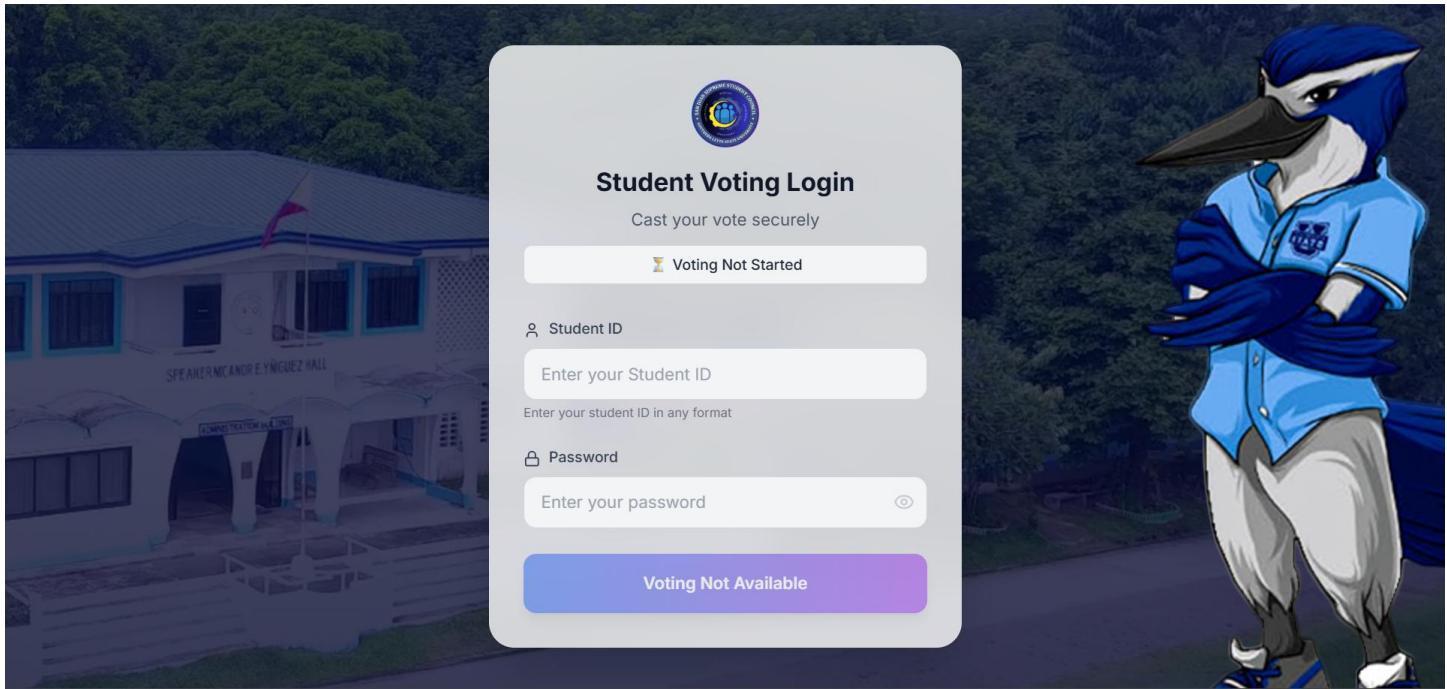


Student Voting Login Form (Status: Voting Not Started):



Poll Controls from Super Admin Dashboard (Status Voting Not Started or Current Status Not Started) Poll Controls is integrated to the Student Voting Login Form:

Poll Controls

Super Admin Only - Manage voting system status

Current Status: NOT STARTED

▷ Start Voting ⏸ Pause Voting ⌚ Finish Voting

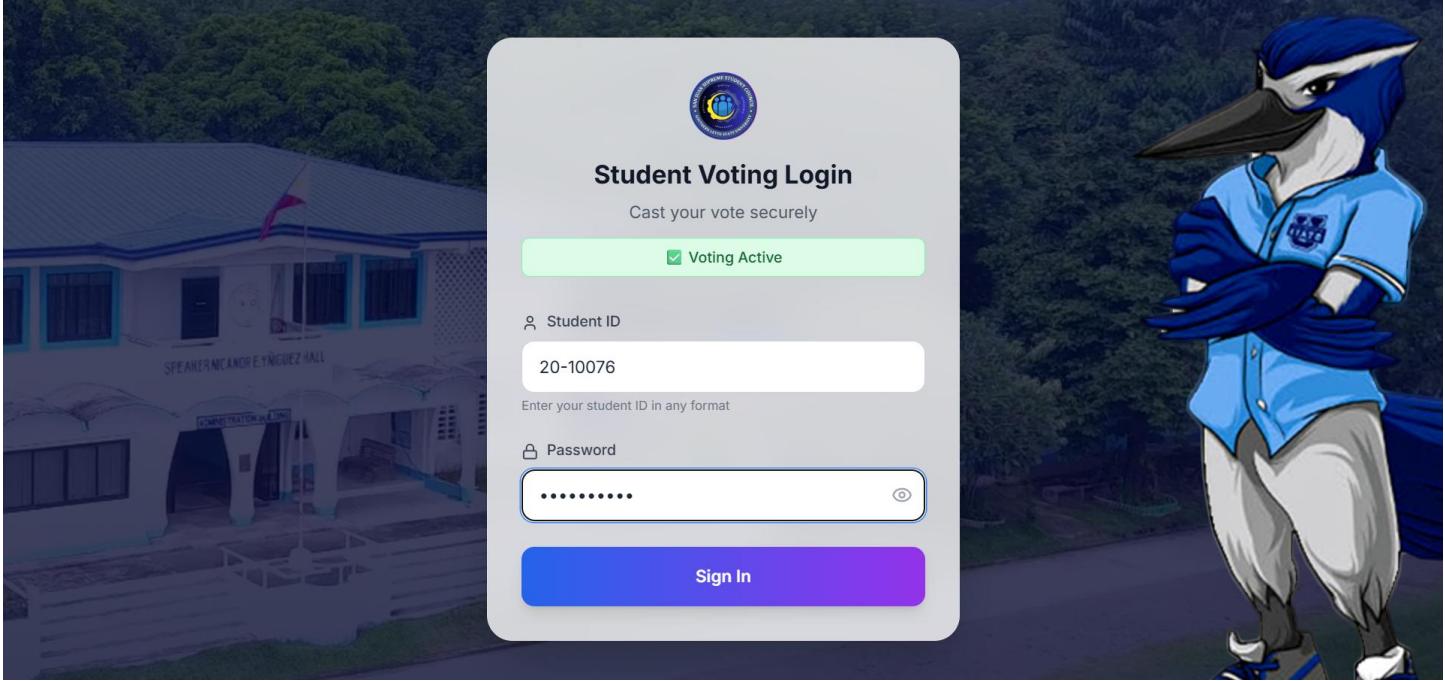
Current Status: NOT STARTED
Voting has not started yet. Students cannot login.

Student Login Status: DISABLED

Election History: 4 recorded election(s)

API Connected: Real-time synchronization with backend

Student Voting Login Form (Status: Voting Active):



Poll Controls from Super Admin Dashboard (Status: Voting Active or Current Status: ACTIVE) Poll Controls is integrated to the Student Voting Login Form:

Poll Controls

Super Admin Only - Manage voting system status

Current Status:

ACTIVE

▷ Start Voting

⏸ Pause Voting

⌚ Finish Voting

Current Status: ACTIVE

Students can login and vote. Voting is currently active.

Student Login Status: ENABLED

API Connected: Real-time synchronization with backend

Election History: 3 recorded election(s)

Cast Vote Form (if Voter Logged In):

Cast Your Vote
Select candidates for each position (optional)

5 of 7 selected 5 of 2 of 3 positions selected

Review & Cast Your Vote

President
Select one candidate for this position (Optional - can be left empty)

Jay Lou A. Terante
MAKABANSA

No Selection Option
You can leave this position empty if you prefer not to vote for any candidate.

Vice President
Select one candidate for this position (Optional - can be left empty)

Joshua A. Tan
MAKABANSA

Mharlou C. Escobido
MAKABAYAN

No Selection Option
You can leave this position empty if you prefer not to vote for any candidate.

Senator
You can select up to 5 candidate(s) for this position (Optional - can be left empty)
1 more can be selected

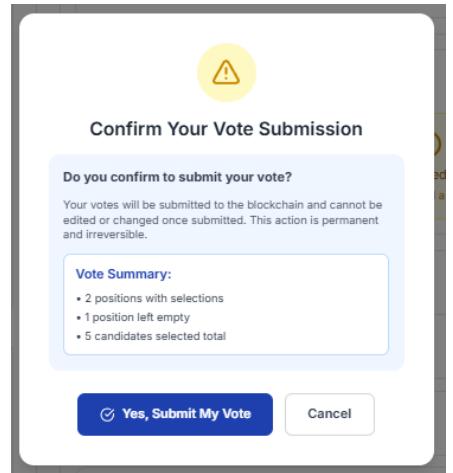
Catherine E. Medilo
MAKABAYAN

Earl Espina
MAKABANSA

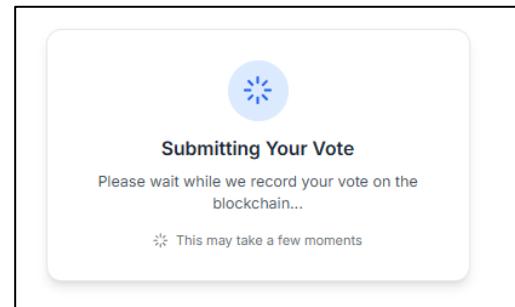
Jerald E. Mernilo
MAKABANSA

Jerald E. Mernilo
MAKABANSA

Confirmation Modal:



Submission Process Modal:



Review Vote Form (if voter Click from Cast Vote Form the Review & Cast Your Vote Button):

Review Your Vote
Please verify your selections before submitting

Voter Information

Student ID
20-10076

Full Name
Servando S. Tio III

Course & Section
BS in Information Technology - A

Ballot ID
vote_miy2hk...shp_chjt

Secure Hash
0x62bbf7a0e46bed...fallback

2 positions with selections
1 position left empty • Total candidates

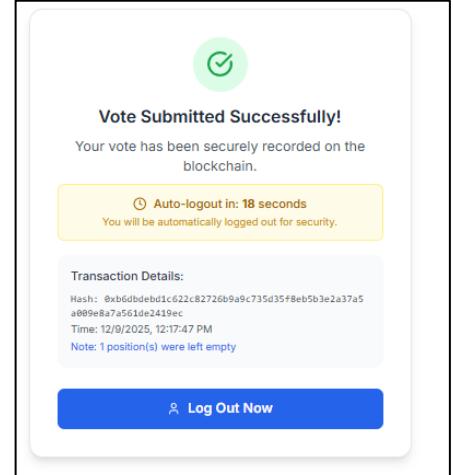
Submit Vote

Back to Voting

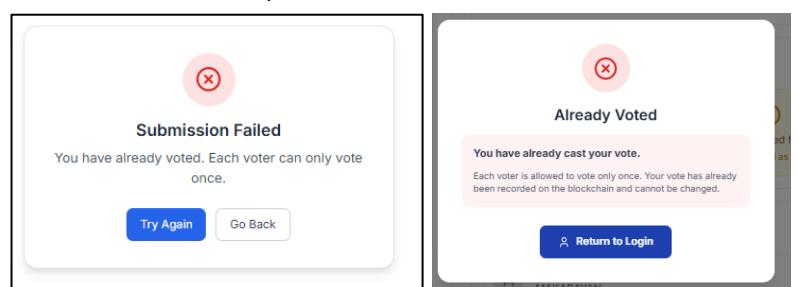
You can submit your vote with empty positions. This will be recorded as a null/empty vote for those positions.

Empty Positions Summary
You have left 1 position empty. Positions: Vice President

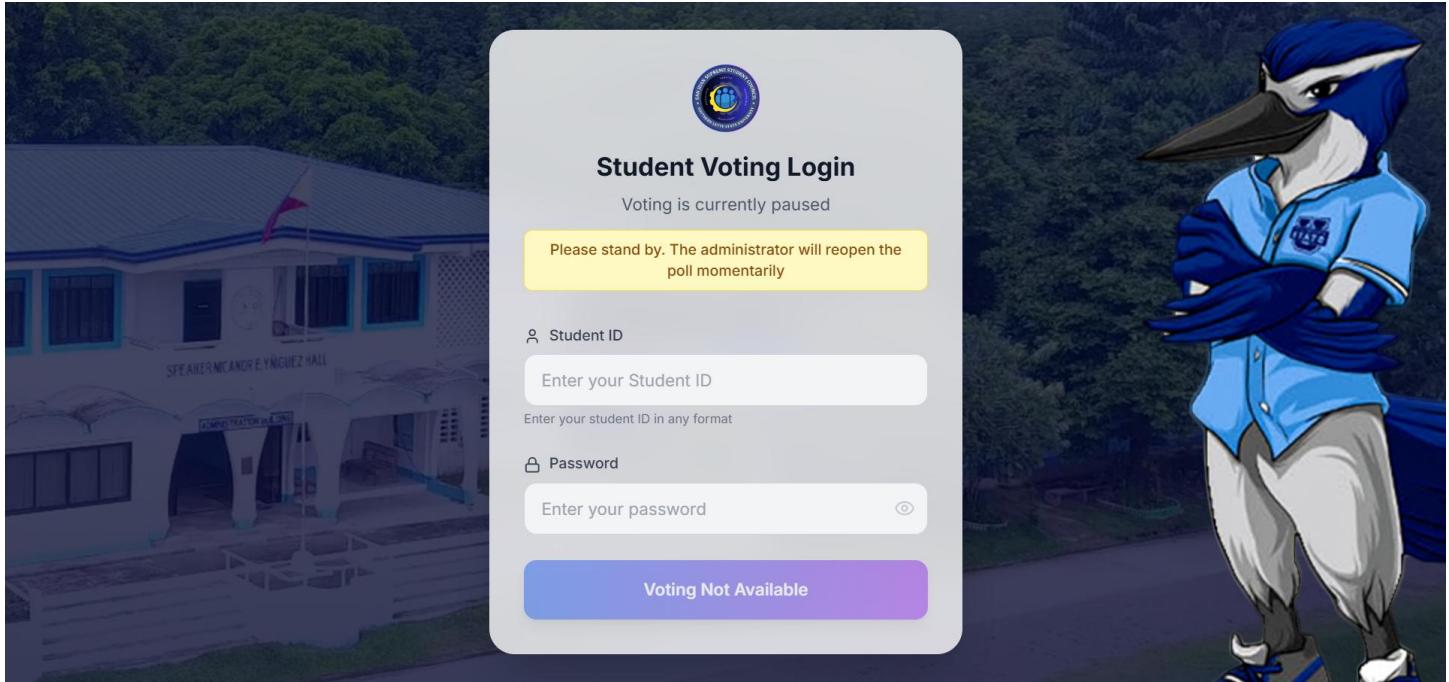
Transaction Receipt Modal:



Error /Already Voted Modal (If Voter Accidentally Refreshed the Transaction Receipt and Submit a Vote Again It Will Check the Voter Status if Voted this shows):



Student Voting Login Form (Status: Pause):



Poll Controls from Super Admin Dashboard (Status: Voting is currently paused or Current Status: PAUSED)

Poll Controls is integrated to the Student Voting Login Form:

Poll Controls

Super Admin Only - Manage voting system status

Current Status: PAUSED

▷ Start Voting ⏸ Pause Voting ⌚ Finish Voting

Current Status: PAUSED

Voting is temporarily paused. Students cannot login until voting resumes.

Student Login Status: DISABLED

Election History: 3 recorded election(s)

[API Connected: Real-time synchronization with backend](#)

Error Modal in Student Voter Login:

!

Invalid Password

The password you entered is incorrect.
Please try again.

⌚ Try again in: 7s

Try Again in 7s

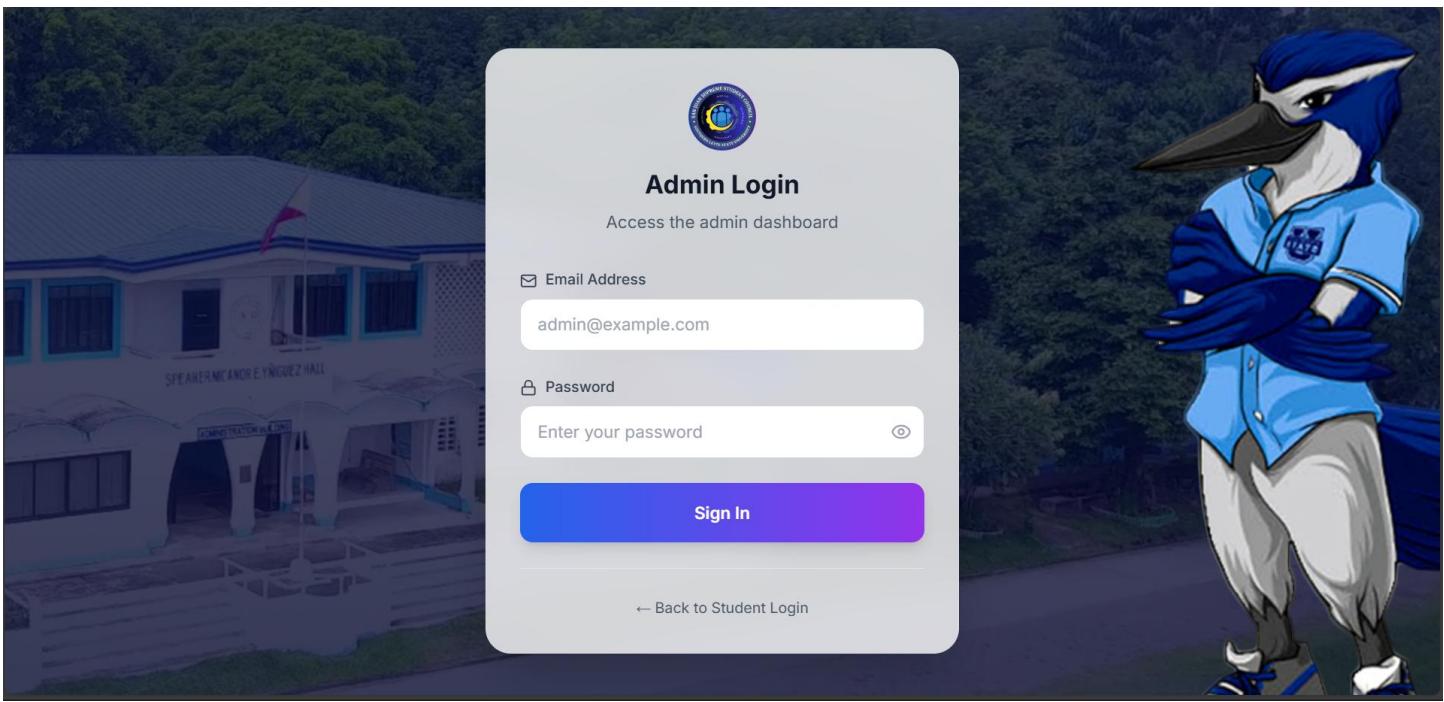
← Back to Student Login

!

Account Not Found

No student account found. Please check
your credentials.

Try Again



Admin role (not Super Admin) Logged in:

The image displays the Admin Panel dashboard. On the left is a sidebar with the title "Admin Panel" and a list of options: "Dashboard" (selected), "Candidates", "Voters", and "Poll Monitor". It also shows the user information "Servando S. Tio III Admin" and a "Sign Out" button. The main area is titled "Admin Panel" and "Admin Dashboard". It provides a "Comprehensive overview of the voting system" and a "Limited Access: View-only mode" notice. Below this are four summary cards: "Total Voters" (20 registered voters), "Total Votes" (1 vote cast), "Candidates" (11 active candidates), and "Turnout Rate" (5% turnout). At the bottom is a section for "Recent Activity & Audit Logs" with a "Comprehensive system activity monitoring" note, "JSON Format" dropdown, and an "Export" button.

Admin Panel

- Dashboard
- Candidates
- Voters
- Poll Monitor

Servando S. Tio III
Admin

[→ Sign Out]

Admin Panel

Admin | Servando S. Tio III admin@voting.edu S

Poll Monitor

Enhanced Dual-Node Blockchain Auto-sync: OFF

Voting Active Blockchain Online Auto-sync: Data Updated 2/2 Nodes Refresh Auto-refresh Fullscreen

Total Votes 0 Blockchain Candidates 11 MySQL Active Storage 0 Encrypted Current Node node1 2 connected

President

Jay Lou A. Terante MAKABANSA

Monitor Role Logged in:

Poll Monitor

View Only Access

P Poll Monitor Account Poll Monitor

[→ Sign Out]

Poll Monitor

View Only Access

Poll Monitor Account monitor@voting.edu P

Poll Monitor

Enhanced Dual-Node Blockchain Auto-sync: OFF

Voting Active Blockchain Online Auto-sync: Data Updated 2/2 Nodes Refresh Auto-refresh Fullscreen

Total Votes 0 Blockchain Candidates 11 MySQL Active Storage 0 Encrypted Current Node node1 2 connected

President

Jay Lou A. Terante MAKABANSA

Auditor Role Logged in:

The screenshot shows the Auditor Dashboard interface. At the top left is a sidebar with a user icon and the text "Auditor Dashboard" and "View Only Access". On the right, the user is identified as "Auditor auditor@voting.edu". The main area features a header "Auditor Dashboard" with a "View Only Access" link. Below it is the "Admin Dashboard" section with a "Refresh" button. The dashboard displays four key metrics: Total Voters (20), Total Votes (1), Candidates (11), and Turnout Rate (5%). A "Recent Activity & Audit Logs" section includes a "JSON Format" dropdown and an "Export" button.

Auditor Dashboard
View Only Access

Admin Dashboard
Comprehensive overview of the voting system

Limited Access: View-only mode

Total Voters
20
Registered voters in system

Total Votes
1
Votes cast in current election

Candidates
11
Active candidates

Turnout Rate
5%
1 of 20 voters have voted

Recent Activity & Audit Logs
Comprehensive system activity monitoring

JSON Format Export

Super Admin Panel (Super Admin Logged In) Dashboard:

The dashboard features a sidebar with links for Dashboard, Admins, Candidates, Voters, Poll Monitor, and Sign Out. The main area includes an Admin Dashboard section with a comprehensive overview, Poll Controls for managing voting status, and a section for Recent Activity & Audit Logs.

Admin Dashboard
Comprehensive overview of the voting system

Poll Controls
Super Admin Only - Manage voting system status

Recent Activity & Audit Logs
Comprehensive system activity monitoring

Election History Modal (if Election History Button is Pressed):

The modal displays three election records:

- SSC**: Election Date: 12/4/2025, Academic Year: 25, Finished At: 12/4/2025, 2:48:54 AM, Hash: aad44b68994e4930..., Candidates: 14, Total Votes: 7. Actions: View Details, Export, Delete.
- SSC Election**: Election Date: 12/4/2025, Academic Year: 25-26, Finished At: 12/4/2025, 1:24:19 AM, Hash: 95920e898a78edf1..., Candidates: 14, Total Votes: 7. Actions: View Details, Export (JSON Format, Excel Format).
- SSC Data**: Actions: View Details.

View Details (Election History):

Election Details

SSC - 233

Election Information

Election Name SSC	Election Date 12/4/2025	Academic Year 233
Total Candidates 14	Total Votes 5	Finished At 12/4/2025, 3:22:55 AM
Election Hash 3ca23e42231b9b19e3630ee3dd4b78a29448e77b2aa07e8ad6319f221ff030af		

Election Results by Position

PRESIDENT

1	Alyanna Marie Espoltero MAKABAYAN	0 votes
2	Jay Lou A. Terante MAKABANSA	0 votes

Delete Modal:

! Delete Election Record

This action cannot be undone.

Are you sure you want to delete the election record for:

SSC
Date: 12/4/2025
Academic Year: 25
Candidates: 14
Total Votes: 7

ⓘ Warning: This will permanently delete all election data including votes and results.

Cancel Delete Election Record

Finish Election Modal (Finish Button is Clicked):

Finish Election

Election Name *

Election Date *

Academic Year *

Auto-Export Information

Election results will be automatically exported as JSON format when the election is finished.

Super Admin Authentication Modal (If Finish Election Button Pressed it will Authenticate the Super Admin First Before Finishing so that no accidental Finish Voting Poll will be happened):

Super Admin Authentication

Super Admin Password *

Finish Election Sequence:

1. Save election data to database
2. Auto-export results as JSON format
3. Reset blockchain for next election

JSON file will be automatically downloaded after election completion.

Super Admin Authentication

Super Admin Password *

ⓘ Invalid super admin password

Finish Election Sequence:

1. Save election data to database
2. Auto-export results as JSON format
3. Reset blockchain for next election

JSON file will be automatically downloaded after election completion.

Super Admin Authentication

Super Admin Password *

Finish Election Sequence:

1. Save election data to database
2. Auto-export results as JSON format
3. Reset blockchain for next election

JSON file will be automatically downloaded after election completion.

Executing finish sequence...

 Election finished successfully! Election finished but blockchain reset may need manual attention.

Admin Management Dashboard:

The dashboard shows a sidebar with links for Dashboard, Admins (which is selected), Candidates, Voters, and Poll Monitor. The main area is titled "Admin Management" and lists "System Administrators (3)". The table columns are ADMIN DETAILS, ROLE, STATUS, POLL ACCESS, CREATED, and ACTIONS. The data rows are:

ADMIN DETAILS	ROLE	STATUS	POLL ACCESS	CREATED	ACTIONS
Poll Monitor Account monitor@voting.edu	POLL MONITOR	Active	View Only	Nov 25, 2025	
auditor auditor@voting.edu	AUDITOR	Active	View Only	Nov 19, 2025	
admin admin@voting.edu	ADMIN	Active	Can Control Poll	Nov 15, 2025	

Showing 3 admins

Add New Admin Modal (IF Add Admin Button is Pressed):

The modal has fields for Email Address (admin1@voting.edu), Full Name (Servando S. Tio III), Role (Admin (Full Access with Limitation)), and Password (*****). It includes "Cancel" and "Create Admin" buttons.

Admin Details if Eye in Actions is click:

The modal displays details for Servando S. Tio III (admin1@voting.edu). It shows the Role (ADMIN), Status (Active), POLL ACCESS (Full Access and with limitation), and CREATED (12/9/2025, 10:47:34 AM). It also shows the ADMIN ID (#8) and a "Close" button.

Admin Details if Eye in Actions is click:

The modal is identical to the 'Add New Admin' modal, showing the same fields and values for the admin record.

Delete Admin if Eye in Actions is click:

The dialog asks "Are you sure you want to delete this admin?" It shows the admin details: Role (ADMIN), Status (Active), and a warning message: "Warning: This will permanently delete the admin account and all associated permissions." It includes "Cancel" and "Delete Admin" buttons.

Candidate Management Dashboard:

The dashboard features a sidebar with links for Dashboard, Admins, Candidates (selected), Voters, Poll Monitor, and a Super Administrator account. The main area shows 'Candidate Management' with sections for 'Positions' and 'Candidates'. Under 'Positions', three roles are listed: President (Limit: 1, Display Order: 1, Status: Active, Candidates: 1), Vice President (Limit: 1, Display Order: 2, Status: Active, Candidates: 2), and Senator (Limit: 5, Display Order: 3, Status: Active, Candidates: 8). A search bar at the bottom allows users to find candidates by name, party, or position. Below the search bar, three candidate cards are displayed: Maeshyla Montajes (MAKABANSA, Senator, Active), Catherine E. Medilo (MAKABAYAN, Senator, Active), and Kristine Uttohan (MAKABAYAN, Senator, Active).

Create New Position:

Create New Position

Position Name: Press Secretary

Vote Limit: 1

Number of candidates a voter can select for this position (Current: 1)

Display Order: 4

Lower numbers appear first in the voting interface

Cancel **Create Position**

Add New Candidate:

Add New Candidate

Full Name: Servando S. Tio III

Search for registered voters by name or student ID

Party: MAKABAYAN

Position: Press Secretary

Cancel **Create Candidate**

Edit Position:

Edit Position

Position Name: Vice President

Vote Limit: 1

Number of candidates a voter can select for this position (Current: 1)

Display Order: 2

Lower numbers appear first in the voting interface

Status: Active

Active positions are visible in the voting interface

Cancel **Update Position**

Edit Candidate:

Edit Candidate

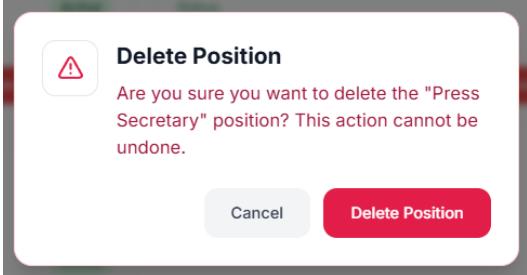
Full Name: Servando S. Tio III

Party: MAKABAYAN

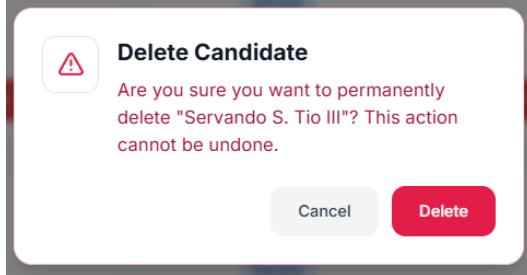
Position: Press Secretary

Cancel **Update Candidate**

Delete Position:



Delete Candidate:



Voter Management Dashboard:

The dashboard shows a sidebar with "Super Admin Panel" and "Voters" selected. The main area is titled "Voter Management" with a search bar and filters. It lists "Student Voters (18)" with columns for Student Details, Course & Year, Section, Status, Voting Status, Registered, and Actions. Three voters are listed: Angelica Mecate, Jhon Paul Gazo, and Maeshyla Montajes, all marked as "Not Voted".

Manage Courses Modal (Courses Button):

A modal titled "Manage Courses" with a "Course Management" section and an "Add New Course" form. The "Add New Course" form includes fields for Course Name (Bachelor of Science in Crim) and Course Code (BS Criminology), with a "+ Add Course" button. Below is a "Existing Courses" section listing BS in Information Technology, BS in Office Administration, and BS in Office Management Accounting.

Reset Voting Status Modal (Reset All Votes Button):

A modal titled "Reset Voting Status" with a warning message: "This will reset the has_voted status to false for all voters. Voters will be able to vote again." It has "Cancel" and "Reset Voting Status" buttons.

Import Voters Modal (Import Button):

Import Voters

Import Instructions

Upload an Excel, CSV, or Word file containing student data. The system will automatically detect columns for Student ID, Name, Year Level, and Section. Course will be left blank and must be selected for each voter in the next step using the dropdown menu.

Click to upload file
Supports Excel, CSV, and Word documents

Cancel

Import Voters

Review Import Data

Please review the imported data and select a course for each voter using the dropdown menu before proceeding. New records will be created, duplicates will be skipped.

Status	ID	Name	Course	Year	Section
✓ New	2023-023	Jerald E. Mernilo	BS in Information Te	4	A
✓ New	2021-203	Earl Espina	BS in Information Te	4	A
✓ New	2024-021	John Paul Tomada	BS in Information Te	4	A
⚠ Duplicate	2025-1234	Jerald E. Mernilo	N/A	4	A

Total: 4 records New: 3 Duplicates: 1 Errors: 0

Back Cancel  Import 3 Voters

Import Voters



Import Complete!

Successfully processed 3 new voters.
1 duplicate records were skipped.

Back Close

Export Voters Data Modal (Export Button):

Export Voters Data

Password Decryption
Hashed passwords from the database will be decrypted to plain text during export.

Select Students:

Search students...
Jerald E. Mernilo (2023-023)
Earl Espina (2021-203)

0 selected Select All Clear

Select fields to export:

<input checked="" type="checkbox"/> Student ID	<input checked="" type="checkbox"/> Full Name	<input checked="" type="checkbox"/> course
<input checked="" type="checkbox"/> Year Level	<input checked="" type="checkbox"/> section	<input checked="" type="checkbox"/> Voting Status
<input type="checkbox"/> Voted At	<input type="checkbox"/> Registered At	<input checked="" type="checkbox"/> Password
<input checked="" type="checkbox"/> Active Status		

Filter by Course:

BS in Information Technology
 BS in Office Administration

Year Level:

Section:

Course filtering works alongside student selection

Cancel  Export Data

Export Voters Data Modal (Export Button):

Add New Voter

Student ID: 20-10076 Full Name: Servando S. Tio III

Course: BS in Information Technology (BSIT)

Year Level: 4th Year Section: A

Password: 
Auto-generated password: ssti4a-076
Password will be auto-generated when all fields are filled

Cancel Create Voter

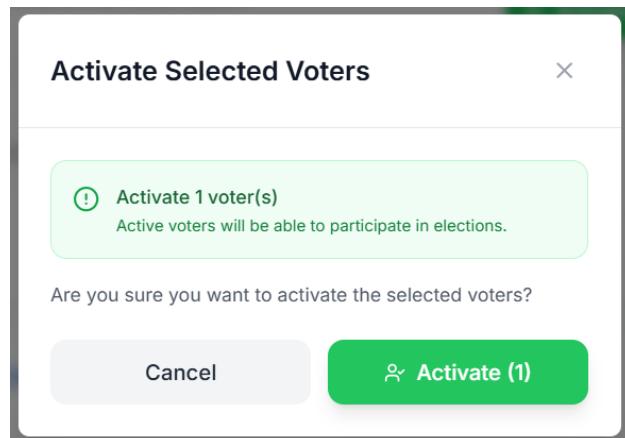


Success!

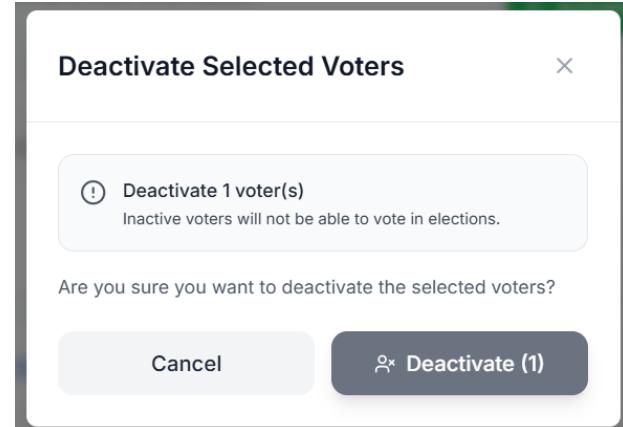
Voter has been created and can now participate in the election.

Continue

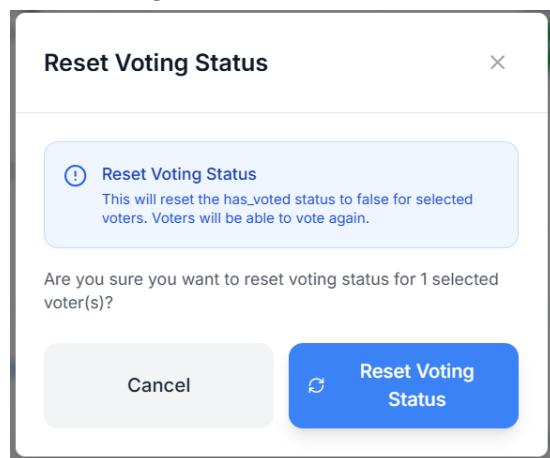
Activate Selected Voters Modal (Active Button):



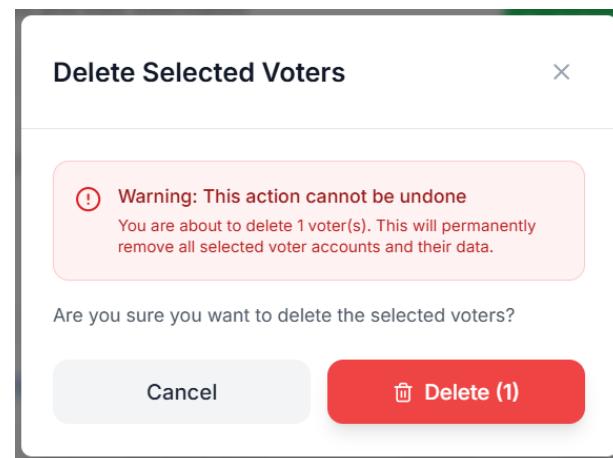
Deactivate Selected Voters Modal (Deactivate Button):



Reset Voting Status Modal (Reset Votes Button):



Delete Selected Voters Modal (Reset Votes Button):



Poll Monitor Dashboard:

A screenshot of the Poll Monitor Dashboard. On the left is a sidebar with "Super Admin Panel" and links for Dashboard, Admins, Candidates, Voters, Poll Monitor (which is selected), Super Administrator, and Sign Out. The main area is titled "Super Admin Panel" and shows the "Poll Monitor" section. It includes a status bar with "Enhanced Dual-Node Blockchain" and "Auto-sync: ON", and buttons for "Not Started", "Blockchain Online", "Sync Not Allowed", "2/2 Nodes", "Refresh", "Export", and "Fullscreen". Below this are four stats boxes: "Total Votes 0 Blockchain", "Candidates 11 MySQL", "Active Storage 0 Encrypted", and "Current Node node1 2 connected". At the bottom is a "President" section showing a user profile for "Jay Lou A. Terante MAKABANSA" with 0 votes and 0%.

Poll Monitor Dashboard (Fullscreen):

The Poll Monitor Dashboard (Fullscreen) displays the status of a dual-node blockchain system. Key metrics include:

- Total Votes: 0 (Blockchain)
- Candidates: 11 (MySQL)
- Active Storage: 0 (Encrypted)
- Current Node: node1 (2 connected)

Under the "President" section, Jay Lou A. Terante from MAKABANSA has 0 votes (0%).

Under the "Vice President" section, there is no visible data.

Voter Management (Voting is active or Status: Voting is Active):

The Super Admin Panel shows the Voter Management section. The sidebar includes links for Dashboard, Admins, Candidates, Voters (selected), Poll Monitor, and Sign Out. The main area displays the following information:

Voter Management
Manage student voters and their information
Voting is active - only password and status updates allowed

Search by Student ID or Name...
Filters: All Courses, All Years, All Sections, All Status, All Active

Student Voters (20) Last updated 12:52:00 PM

	STUDENT DETAILS	COURSE & YEAR	SECTION	STATUS	VOTING STATUS	REGISTERED	ACTIC
<input type="checkbox"/>	Servando S. Tio III 	BS in Information Technology Year A	Section A	Active	Voted 12/9/2025, 12:52:00 PM	Dec 9, 2025	

Export Voters Data

Select Students: [HOME](#)

Jerald E. Mernio	2023-023	BS in Information Technology
Earl Espina	2021-203	

1 selected [Select All](#) [Clear](#)

Filter by Course:

- BS in Entrepreneurship - S...
- BS in Information Technology
- Bachelor of Industrial Tech...
- Bachelor of Industrial Tech...

Course filtering works alongside student selection

[Cancel](#) [Export Student](#)

Update Password and Status

Student ID: Full Name:

Course:

Year Level: Section:

Active Voter: Can participate in elections

Password (leave blank to keep current) Auto Generate

Enter new password

Only password and status can be updated during active voting

[Cancel](#) [Update Password & Status](#)

Candidate Management Dashboard (Voting is Active all Buttons disabled)



Super Admin Panel

[Dashboard](#)

[Admins](#)

[Candidates](#) Voting is active - modifications disabled

[Voters](#)

[Poll Monitor](#)

 Super Administrator
Super Admin

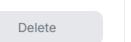
[Sign Out](#)

Super Admin Panel

Candidate Management
Manage election positions and candidates

[Create Position](#) [Add Candidate](#)

Positions
Manage available positions and voting limits

Position	Limit:	
President	1	 
Vice President	2	 
Senator	3	 



Super Admin
superadmin@voting.edu

S

Blockchain Status if both node1 and node2 is down:

The screenshot shows the Super Admin Panel interface. On the left sidebar, under the 'Poll Monitor' section, there is a blue bracket highlighting the 'Poll Monitor' link. The main content area is titled 'Poll Monitor' and displays the following status indicators:

- Enhanced Dual-Node Blockchain
- Auto-sync: ON
- Paused (Yellow button)
- Blockchain Offline (Pink button)
- Auto-sync: Active (Blue button)
- 0/2 Nodes Connected (Pink button)
- Refresh
- Export
- Auto-refresh (checked)
- Fullscreen

Below these buttons, there are four data cards:

- Total Votes: 0 Blockchain (Icon: Blue square with a checkmark)
- Candidates: 11 MySQL (Icon: Green people icon)
- Active Storage: 0 Encrypted (Icon: Purple lock icon)
- Current Node: emergency_storage (Icon: Blue square with two horizontal lines)

At the bottom, there is a 'President' section with a card for Jay Lou A. Terante, MAKABANSA, with 0 votes.

Purpose of Emergency storage is that every vote will be stored or saved in node1, node2 and emergency storage the main purpose of the Emergency Storage is to have a data also if both node1 and node2 data is deleted/corrupted it will sync from the emergency storage to get the updated data and when both node 1 and node 2 stopped voting status will be paused.

Student_voting_system database:

phpMyAdmin

Server: 127.0.0.1 > Database: student_voting_system

Structure SQL Search Export Import Operations Privileges Routines Events Triggers Tracking Designer Central columns

Filters

Containing the word:

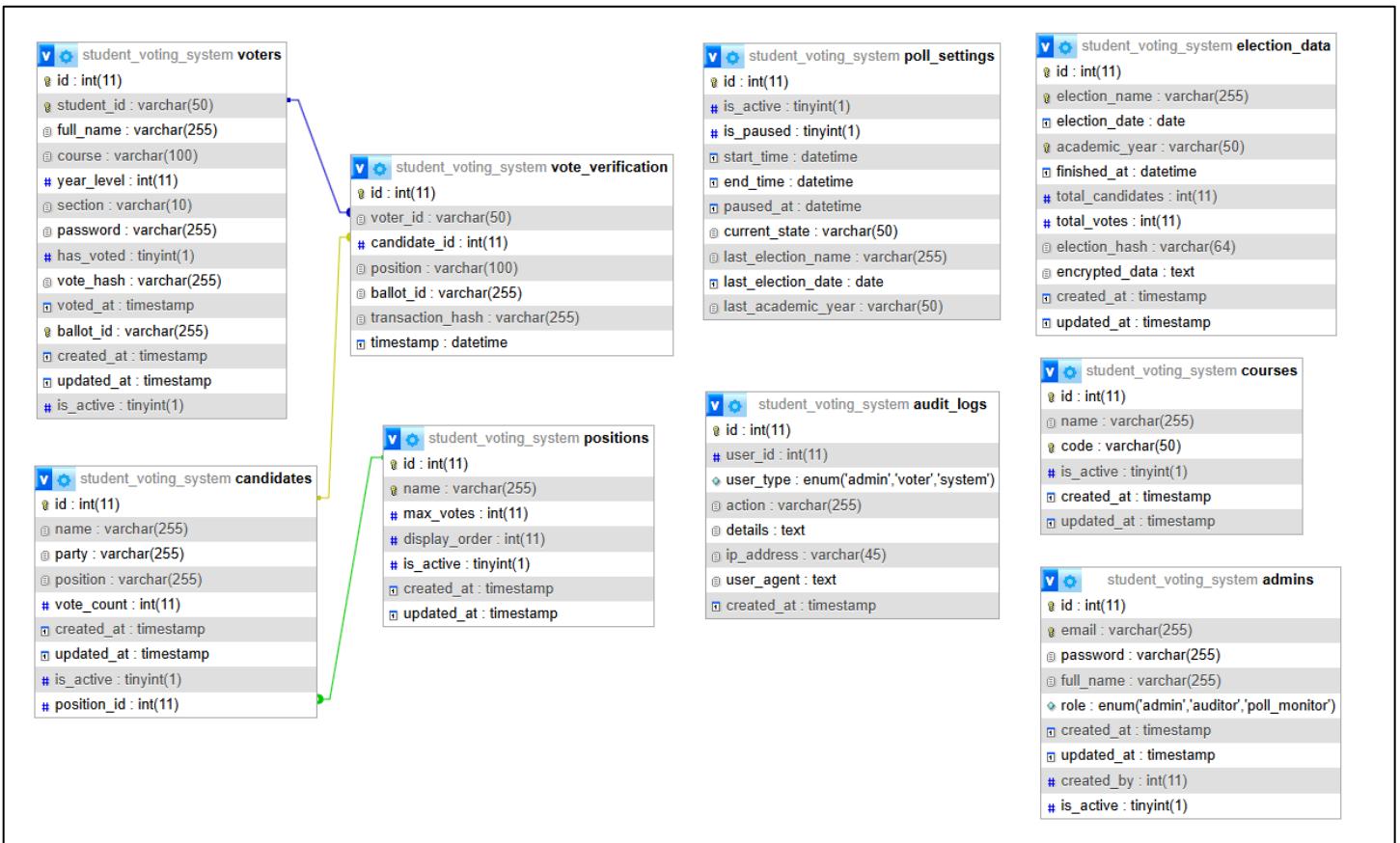
Table	Action	Rows	Type	Collation	Size	Overhead
admins		3	InnoDB	utf8mb4_general_ci	64.0 KIB	-
audit_logs		190	InnoDB	utf8mb4_general_ci	128.0 KIB	-
candidates		11	InnoDB	utf8mb4_general_ci	64.0 KIB	-
courses		18	InnoDB	utf8mb4_general_ci	32.0 KIB	-
election_data		4	InnoDB	utf8mb4_general_ci	80.0 KIB	-
poll_settings		1	InnoDB	utf8mb4_general_ci	16.0 KIB	-
positions		3	InnoDB	utf8mb4_general_ci	64.0 KIB	-
voters		20	InnoDB	utf8mb4_general_ci	112.0 KIB	-
vote_verification		8	InnoDB	utf8mb4_general_ci	48.0 KIB	-
Sum		250	InnoDB	utf8mb4_general_ci	608.0 KIB	0 B

Print Data dictionary Create new table

Create new table

Table name: Number of columns: 4 Create

Console



LoadingScreen:



SSC Voting System

with Geth-Ethereum Blockchain Technology

Developed by: Servando S. Tio III