

E-Voting System

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Why E-Voting website needs to be used

- ▶ Push for faster, safer, accessible public services.
- ▶ Traditional voting = costly, time-consuming, error-prone.
- ▶ Low trust and participation in manual systems.
- ▶ **E-Voting** = efficient, transparent, remote-friendly.
- ▶ Supports **Digital Bangladesh** vision.
- ▶ Builds skills: web security, data handling, user verification.

How we built our E-Voting System

- ▶ By finding some recent issues regarding election and a fare election system we came up with this idea of E-Voting system . The system is divided into two part

- ▶ First: National services

In this part a user can get all the national services like NID Card/Birth certificate application , print from this website . Which can save the time of the user and also corrects any mistakes .

- ▶ Second: Voting part

In this part an eligible voter can cast their vote from home through this website . As they can save time through this. In every developed country they use EVM for voting .

Let's Talk about our work

- ▶ We created a home page
- ▶ Where all the needed toolbars are showed .
- ▶ Let's observe it one by one .

Home Page :

National Voting Portal

[Home](#) [Services ▾](#) [Information](#) [Voting Count](#) [Notice](#) [Queries](#) [Contact Us](#) [Log In](#) [Sign Up](#)

Your Voice. Your Vote. Your Future.

Register, check your status, and find all election resources here.

[Register Now](#)

About

The National Voting Portal provides secure and accessible services for all citizens to participate in the democratic process through digital means.

Quick Links

[Home](#)
[Vote Now](#)
[Apply for NID](#)
[Contact Us](#)

Contact

Email: support@nationalvoting.gov
Hotline: 1234 (24/7)
Address: Election Commission,
Dhaka, Bangladesh

Follow Us



Home page :

- ▶ This is our home page for this project . In home page there are 9 toolbar.They are:
- ▶ Services
- ▶ Information
- ▶ Voting count
- ▶ Notice
- ▶ Queries
- ▶ Contact us
- ▶ Log in
- ▶ Sign up

Let's talk about all toolbars in details .

Services:

- ▶ In services there are 6 portal available . They are :
- ▶ Birth certificate Apply
- ▶ Birth certificate Log in/Download
- ▶ Birth certificate correction
- ▶ NID card Apply
- ▶ NID card Correction
- ▶ NID card Download

No we will discuss about Birth certificate Apply first :

Birth certificate apply

Apply for Birth Certificate

☐ I am applying for a Birth Certificate

Mobile Number:

Password:

Confirm Password:

Send OTP

Sign Up

- If we enter the birth certificate apply portal firstly this interface will came up . Here user have to give their mobile number and password and an otp will generate and have to put the correct otp .And this will take to next page . At the same time data will store in our database . A sample stored data is showed in picture .

	id	mobile	password	otp	form_no
<input type="checkbox"/> Edit <input type="text"/> Copy <input type="text"/> Delete	1	01834871873	\$2y\$10\$wgZFhPsSfcV5flRaAwsqOHjAWghHZzc4rQH4c wd5e...	992787	FORM-637813

Birth certificate application form :

Birth Certificate Application Form

Certificate Form No:

Name of Child:

Father's Name:

Mother's Name:

Birth Date:

House No:

Road No:

Road Name:

Village Name:

Word No:

Union Name:

Thana:

Post Office:

District:





Division:

Nationality:

Issue Date:

- ▶ After signing up, the user will find this page. And here the user needs to fill up all information table and his/her data will be stored in our database. A sample data table is shown in the picture.

id	form_no	child_name	father_name	mother_name	birth_date	house_no	road_no	road_name	village	word_no	union_name	thana	post_office	district	division	nationality
1	FORM-637813	Saiful islam	Jahirul Islam	Fahima	2002-08-10	125	6	Sadek road	Mostofapur	6	1 no kalir bazar	ardarsha sadar	Anandapur	Cumilla	Chottogram	Bangladeshi

Selected:  Edit  Copy  Delete  Export

Birth certificate Correction :

- For the correction of birth certificate user needs the same mobile number and the password to log in and can correct his birth certificate . Here is the correction page ---→

Login to Correct Certificate

Mobile Number:

Password:

Login

Correction Form

Certificate Form No:

Name of Child:

Father's Name:

Mother's Name:

Birth Date:

House No:

Road No:

Road Name:

Village Name:

Word No:

Union Name:

Thana:

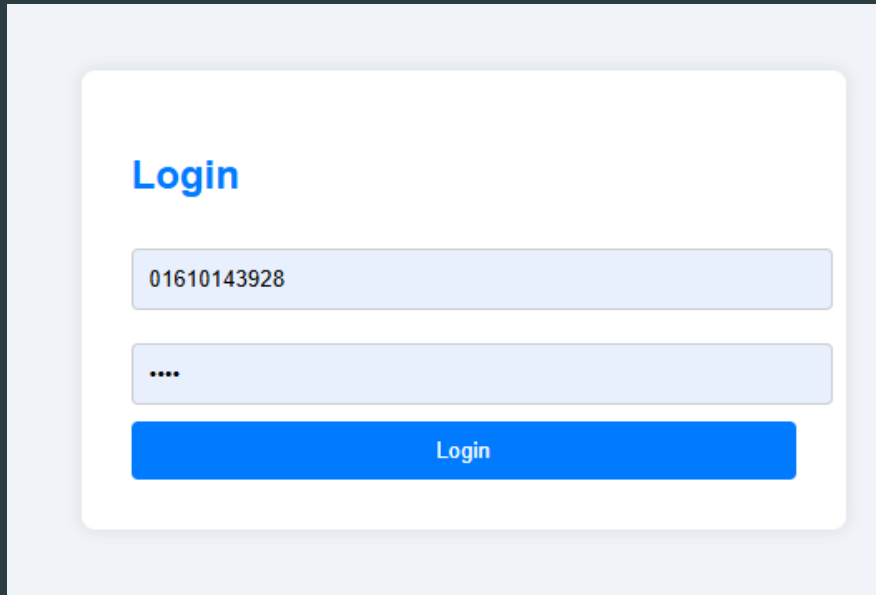
Post Office:

District:

Division:

Birth Certificate Download :

- For birth certificate download then just simply enter the portal and need to put registered information .And this will take them in pdf download page →



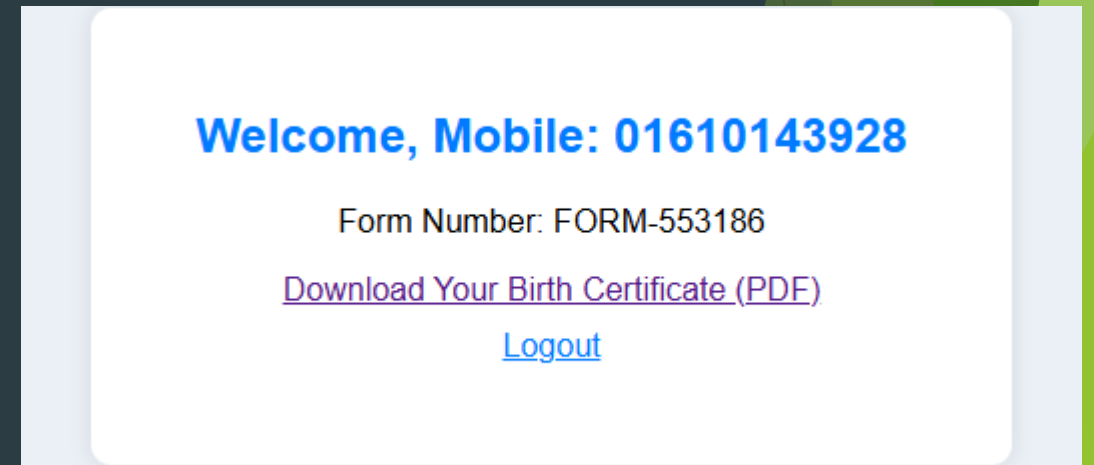
A login form with a white background and a light blue border. It features a blue 'Login' header, a text input field containing '01610143928', a password input field with four dots, and a blue 'Login' button.

Login

01610143928

....

Login



A welcome screen with a white background and a light blue border. It displays the user's mobile number, form number, a link to download the birth certificate, and a logout link.

Welcome, Mobile: 01610143928

Form Number: FORM-553186

[Download Your Birth Certificate \(PDF\)](#)

[Logout](#)

NID Card apply :

- This is the nid card apply from . From where user can apply for his nid. The same stored data is showed in picture below :

NID Application Form

Full Name (English):

Father's Name:

Mother's Name:

Date of Birth:

Gender:

Blood Group:

Marital Status:

Nationality:

Present Address:

Permanent Address:

Mobile Number:

Password:

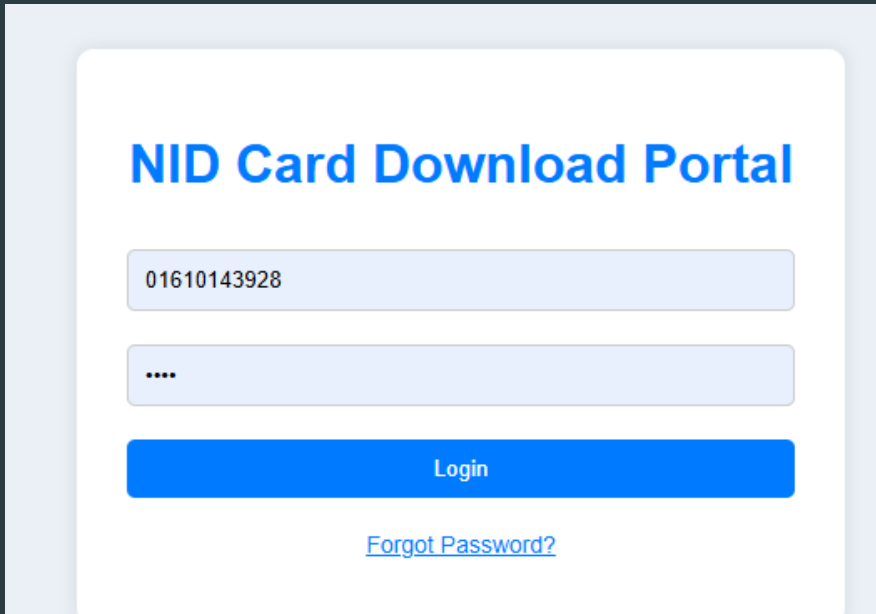
Confirm Password:

Upload Photo:
 No file chosen

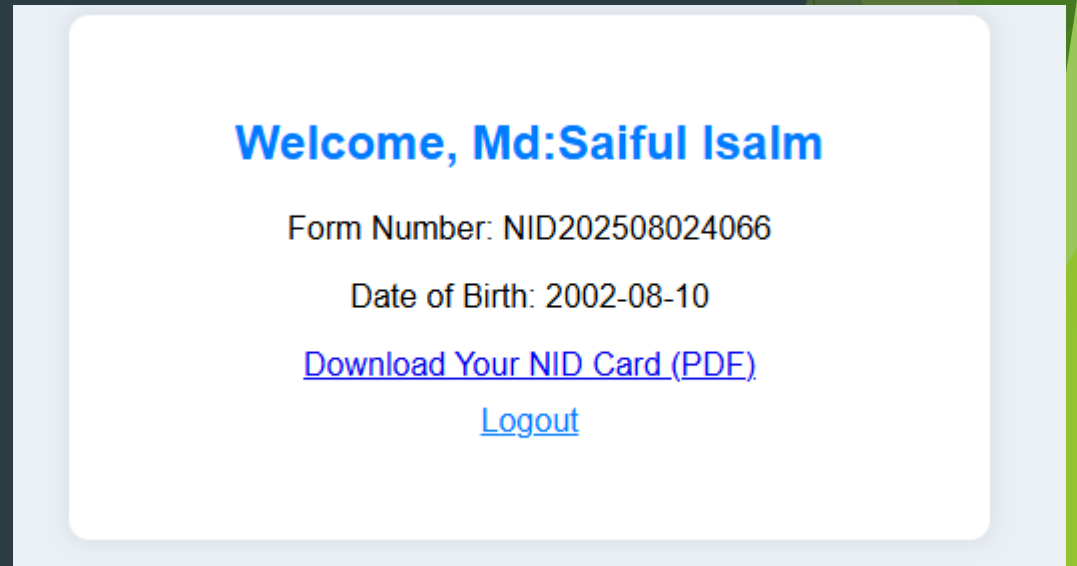
id	form_no	full_name_en	father_name	mother_name	dob	gender	blood_group	marital_status	nationality
1	NID202508024066	Md:Saiful Isalm	jahirul islam	mst fahima	2002-08-10	Male	O+	Single	Bangladeshi

NID card Download :

- By entering with valid mobile number and password the page will take user into the page where a ready pad version of his NID is ready -→ From where he can download it .



The screenshot shows the 'NID Card Download Portal' login interface. It features a title 'NID Card Download Portal' in blue. Below the title are two input fields: the first contains the mobile number '01610143928' and the second contains masked characters '****'. A blue 'Login' button is positioned below the password field. At the bottom, there is a blue underlined link that reads 'Forgot Password?'.



The screenshot displays the user dashboard after a successful login. It features a blue heading 'Welcome, Md:Saiful Isalm'. Below this, the 'Form Number: NID202508024066' and 'Date of Birth: 2002-08-10' are shown. At the bottom, there are two blue underlined links: 'Download Your NID Card (PDF)' and 'Logout'.

Information Toolbar

General Information About Voting

What is Electronic Voting?

Electronic voting (e-voting) is a modern method of casting and counting votes using electronic systems. It improves accessibility, security, and transparency while reducing human error. Through our National Voting Portal, voters can participate in elections using secure digital platforms from the comfort of their homes or authorized voting centers.

Who Can Vote?

- Must be a citizen of Bangladesh
- Must be at least 18 years of age on the day of the election
- Must have a valid NID (National ID)
- Must be registered on the National Voter List

Voting Schedule & Time

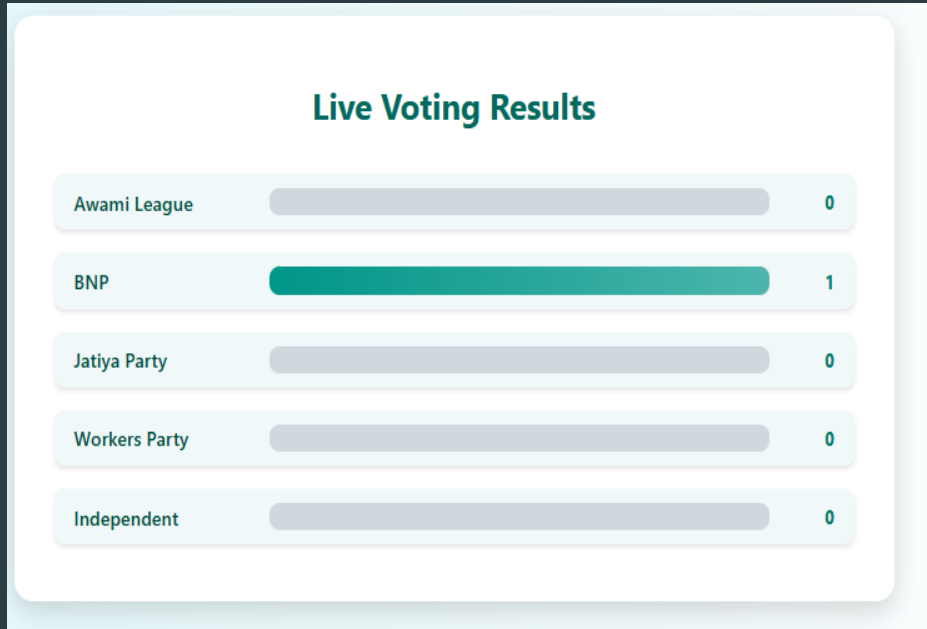
The next national election will take place on **December 30, 2025**. Voting hours are:

- **Start Time:** 8:00 AM
- **End Time:** 4:00 PM
- **Break:** No breaks; continuous polling throughout the day

Please check your division or district-specific timing via the Notice section before election day.

► This toolbar will give the information about voting ,how to register for vote , how to register for nid,birth certificate , or download etc .

Voting count



- ▶ The vote user will cast store in our database and also it will show the live counting of voting . As we can see 1 vote is casted for BNP

Notice

Latest Notices & Announcements

All Categories ▾

Election Date Announced

Date: 2025-07-15
Category: Election
The general election will be held on November 3rd, 2025. Make sure to check your registration status.

Voter Registration Deadline Extended

Date: 2025-06-30
Category: Registration
Due to technical issues, the voter registration deadline has been extended until July 15th, 2025.

Preliminary Election Results Released

Date: 2025-07-01
Category: Results
Preliminary results for the recent local elections are now available on the official portal.

1

2

3

- ▶ All the notices given by EC will show here . Voters can see the important dates from this toolbar .

Queries

Frequently Asked Questions (FAQs)

1. Who is eligible to vote in national elections?

Any citizen aged 18 or older with a valid National ID Card (NID) registered with the election commission is eligible to vote.

2. How do I register to vote?

You must apply for a National ID Card if you do not have one. Registration information is linked to your NID and can be verified on our portal.

3. How can I check my voter registration status?

Use the "NID Card Status" service on our website or contact your local election office to verify your voter registration details.

4. What documents do I need to apply for a National ID card?

You need your birth certificate, proof of residence, and recent photographs. Visit the NID Card Apply section for detailed requirements.

5. Can I vote if I have lost my NID card?

If your NID card is lost, you should apply for a replacement immediately. Voting is only permitted with a valid NID card or an approved provisional document.

► The question usually an user can asked is given in this section and the will get answer of it .

Contact Us

If you have any questions, suggestions, or issues, feel free to reach out to us using the form below.

Full Name:





Email Address:

Subject:

Your Message:

Type your message here...

Send Message

- | | id | full_name | email | subject | message | created_at |
|--------|----|--------------------|-----------------------------|------------------------------|--------------------------------------|------------------------|
| delete | 1 | Md:Saiful
Islam | mdsaifulsi2714227@gmail.com | can not log in my
account | i can not log in into voting
site | 2025-08-02
00:25:15 |
- selected:  Edit  Copy  Delete  Export

Voter Sign Up

- ▶ Voter can sign up here to give vote . Without registering no voter can log in . And the data will save in our database . And the pictures will save in our main database folder .

Voter Sign-Up Portal

Upload NID Front Side (with EC logo & signature)

Choose File No file chosen

Upload NID Back Side

Choose File No file chosen

Upload Passport Size Photo

Choose File No file chosen

Mobile Number

Password

Confirm Password

Enter OTP

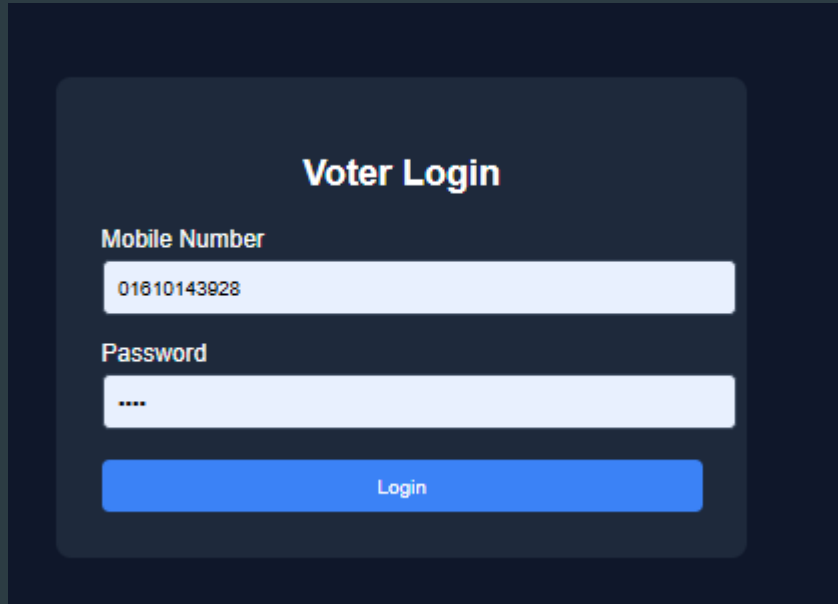
Send OTP

Verify OTP

Sign Up

	id	mobile	password	nid_front	nid_back	passport_photo	is_verified
Edit Copy Delete	3	01834871873	\$2y\$10\$MGLdlwvUS3vP2y2yDOldeuBpUS1C1FLYCZwbJ8JHn3...	688e4a869081c_Screenshot 2025-08-02 013953.png	688e4a8690bab_Screenshot 2025-08-02 014026.png	688e4a8690ea5_FXL_20250712_092049275~2.jpg	0
Check all With selected: Edit Copy Delete Export							
Show all	Number of rows: 25		Filter rows: Search this table				

Voter Log in

A screenshot of a 'Voter Login' form. The form is titled 'Voter Login' in bold. It has two input fields: 'Mobile Number' with the value '01610143928' and 'Password' with masked characters '....'. Below the fields is a blue 'Login' button.

Voter Login

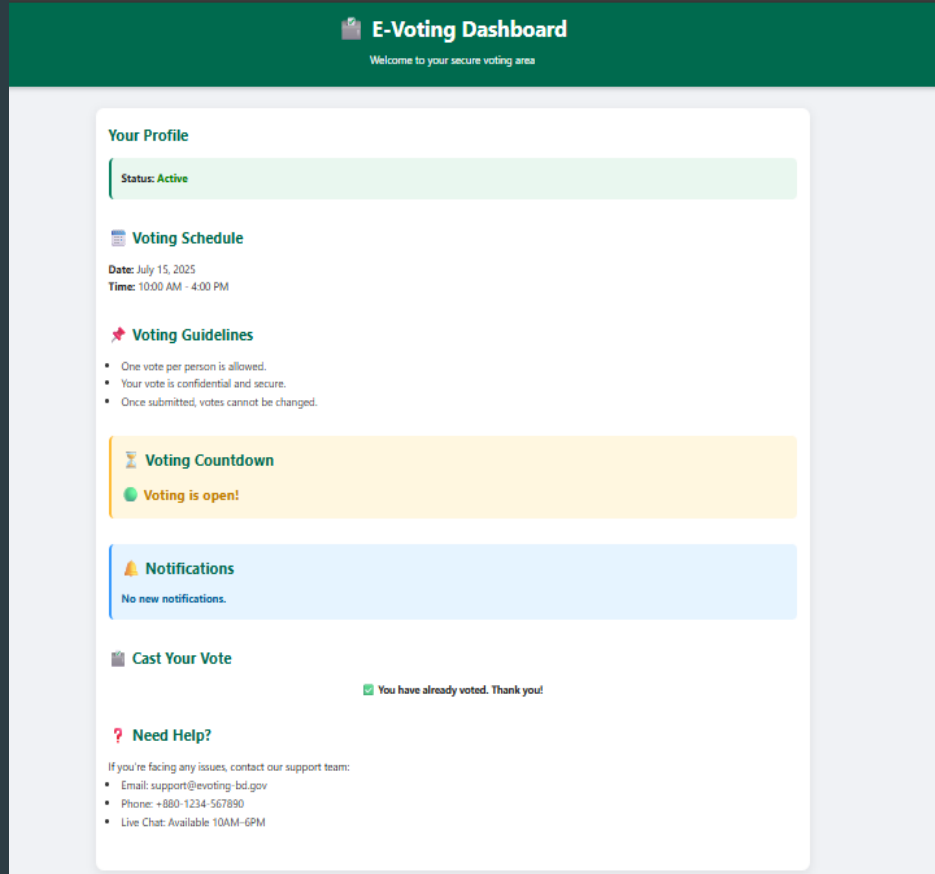
Mobile Number
01610143928

Password
....

Login

- ▶ After sign up voter will log in with valid mobile number and password . It will take him/her into voting dashboard .

Voting Dashboard



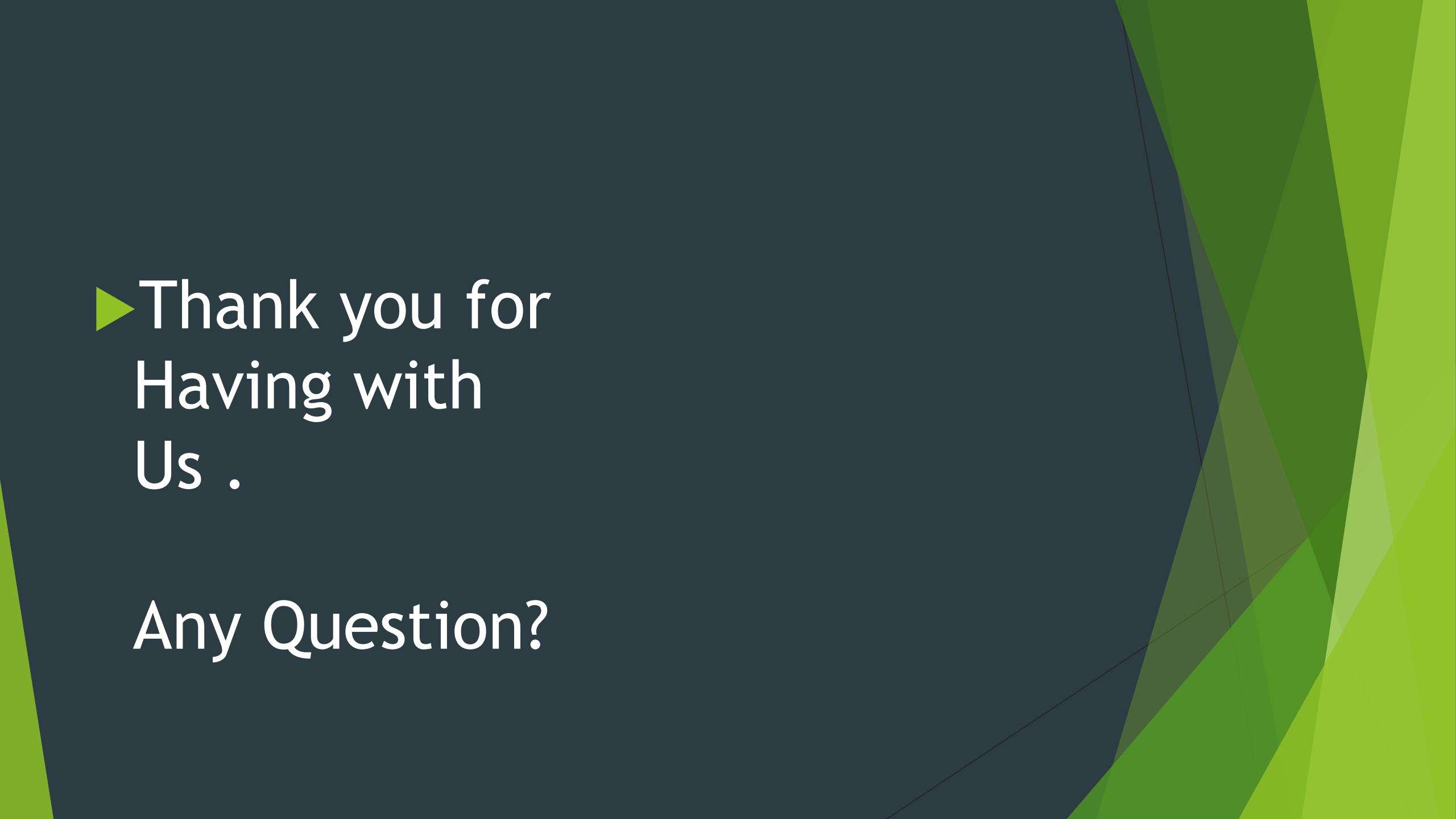
► This is the voting dashboard as the user voted for once we can not vote again .

Novelty

- ▶ **Technology-based election:** E-Voting offers a modern alternative to manual and faulty EVM systems.
- ▶ **Easy & transparent voting:** Fully online system where citizens can vote smoothly and view live results.
- ▶ **Time & cost saving:** National documents can be accessed online, reducing hassle for citizens.
- ▶ **Support for citizens abroad:** Enables people living overseas to get important documents easily.

Future Improvement

- ▶ Integrate OTP with real SMS service.
- ▶ Add stronger security (encryption, multi-factor authentication).
- ▶ Improve backend for large-scale elections.
- ▶ Deploy on reliable server/cloud.
- ▶ Create an admin dashboard for management.
- ▶ Make the website fully mobile-friendly.



► Thank you for
Having with
Us .

Any Question?