

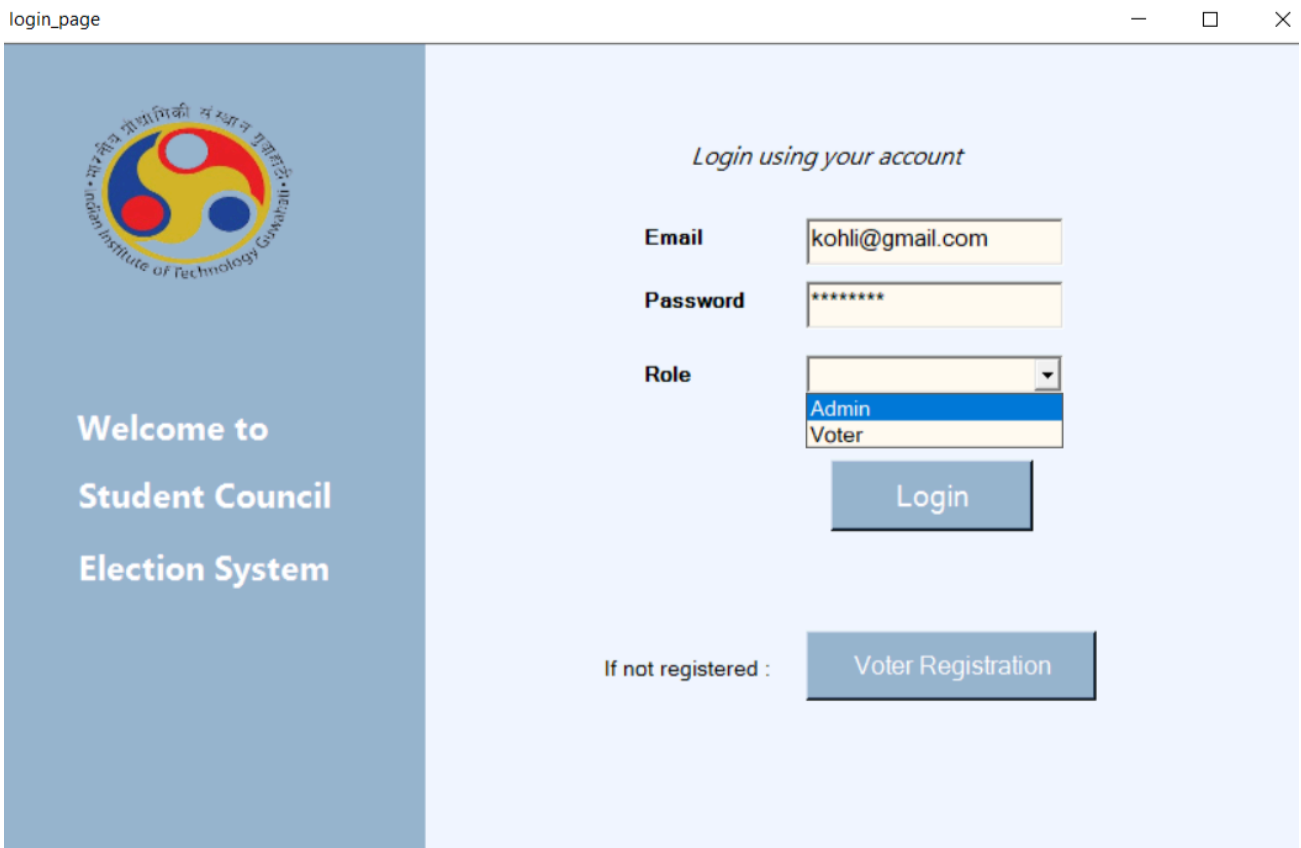
Voting System Documentation

We have implemented a voting systems software for hosting elections for our college. The students can login as voters,candidates and admins and exercise their privileges/rights to vote.

Login Page

This is the page that first appears when the user accesses the software for the first time. He can choose to login either as the voter(candidate sometimes) or the admin.

login_page



Welcome to
Student Council
Election System

Login using your account

Email

Password

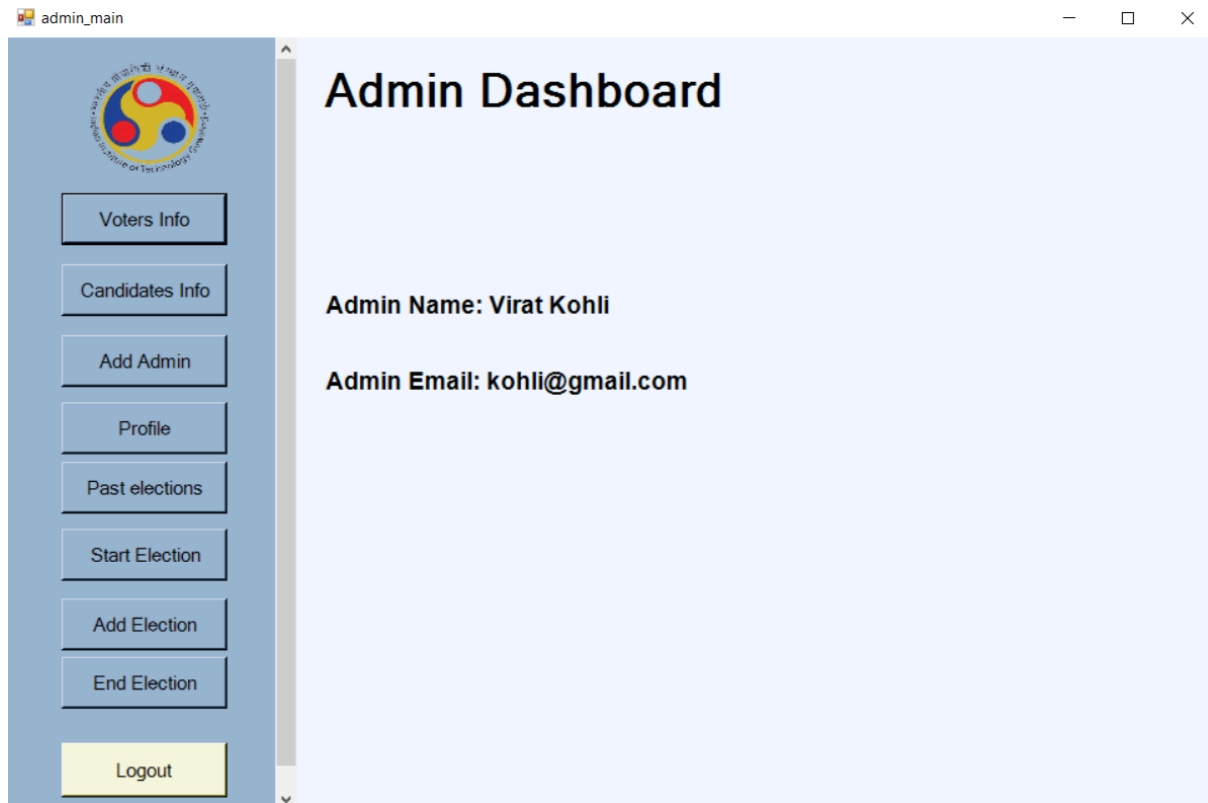
Role

If not registered :

If he chooses the login as the admin, he is redirected to the admin dashboard, else, to the voter dashboard, where he can also choose to be the candidate for a particular position in an election, if he is eligible(B.Tech 4th year).

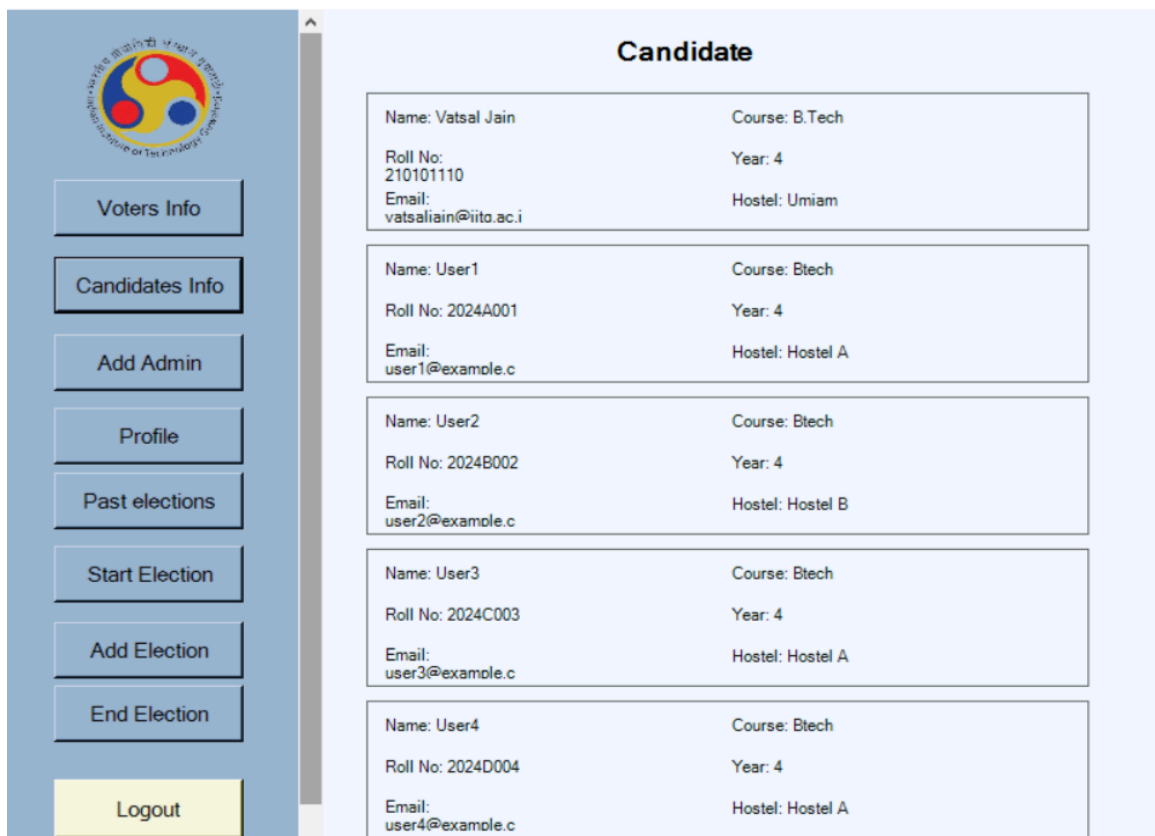
Admin Dashboard

On successful login as the admin, he is redirected to the admin dashboard.



Voters & Candidates info

Admins can see the list of all voters and candidates who have ever used the software for voting.





Voters Info

Candidates Info

Add Admin

Profile

Past elections

Start Election

Add Election

End Election

Logout

Voters

| | |
|------------------------|------------------|
| Name: User1 | Course: Btech |
| Roll No: 2024A001 | Year: 4 |
| Email: user1@example.c | Hostel: Hostel A |

| | |
|------------------------|------------------|
| Name: User2 | Course: Btech |
| Roll No: 2024B002 | Year: 4 |
| Email: user2@example.c | Hostel: Hostel B |

| | |
|------------------------|------------------|
| Name: User3 | Course: Btech |
| Roll No: 2024C003 | Year: 4 |
| Email: user3@example.c | Hostel: Hostel A |

| | |
|------------------------|------------------|
| Name: User4 | Course: Btech |
| Roll No: 2024D004 | Year: 4 |
| Email: user4@example.c | Hostel: Hostel A |

| | |
|------------------------|------------------|
| Name: User5 | Course: Btech |
| Roll No: 2024E005 | Year: 4 |
| Email: user5@example.c | Hostel: Hostel A |

Add Admin

Admin can add other admins as well.

Add Admin

Name

Email

Password

Admin added successfully.

OK

Back

Add Elections

Admin can declare upcoming elections.



The screenshot shows a web application window titled 'addElection'. The main content area is titled 'Election Details' and contains a form with the following fields:

- Election Name: A text input field.
- Election Type: A dropdown menu.
- Start date time: A date and time input field showing '2024-03-04 06:54:26'.
- End date time: A date and time input field showing '2024-03-04 06:54:26'.
- Positions: A text input field.

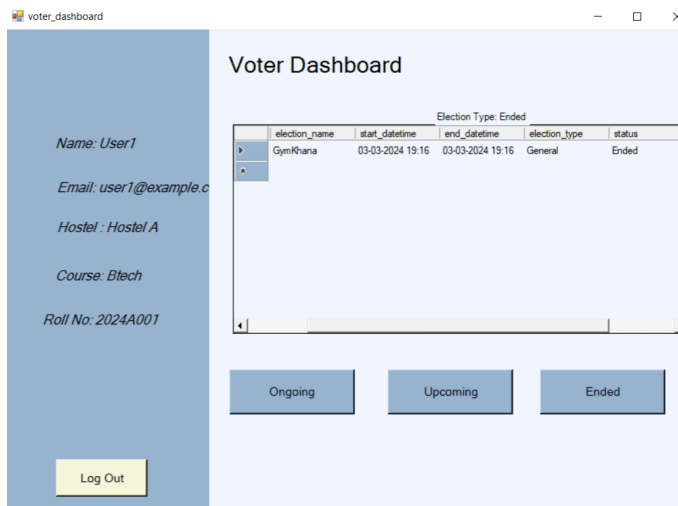
Below the 'Positions' field is a table with one column header 'Position Name' and one row with a single cell containing an asterisk (*). To the left of this table is a button labeled 'Add Position'. At the bottom of the form are two green buttons: 'Add Election' and 'Back'.

Other Admin privileges

- **Past Elections** - Admin can see the lists of 'Ended' elections.
- **Start Elections** - Admin can start a previously declared election.
- **End Elections** - Admin can end an ongoing election.

Voter Dashboard

If he logs in as a voter, he is redirected to the voter dashboard.



The screenshot shows a web application window titled 'voter_dashboard'. The left sidebar contains user information:

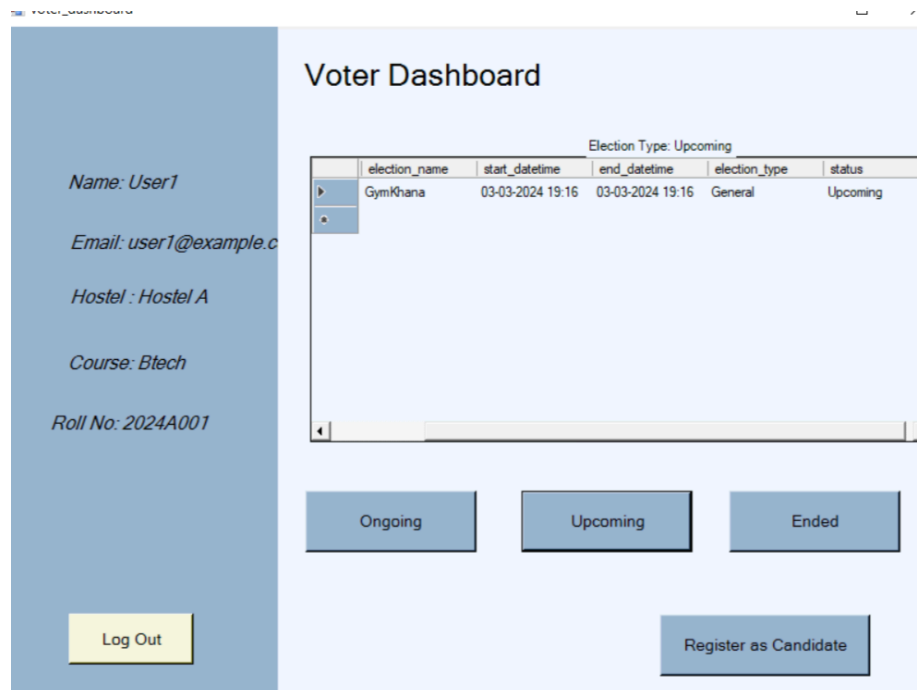
- Name: User1
- Email: user1@example.com
- Hostel: Hostel A
- Course: Btech
- Roll No: 2024A001

At the bottom of the sidebar is a 'Log Out' button. The main content area is titled 'Voter Dashboard' and features a table with the following columns: election_name, start_datetime, end_datetime, election_type, and status. The table has one row with the following data:

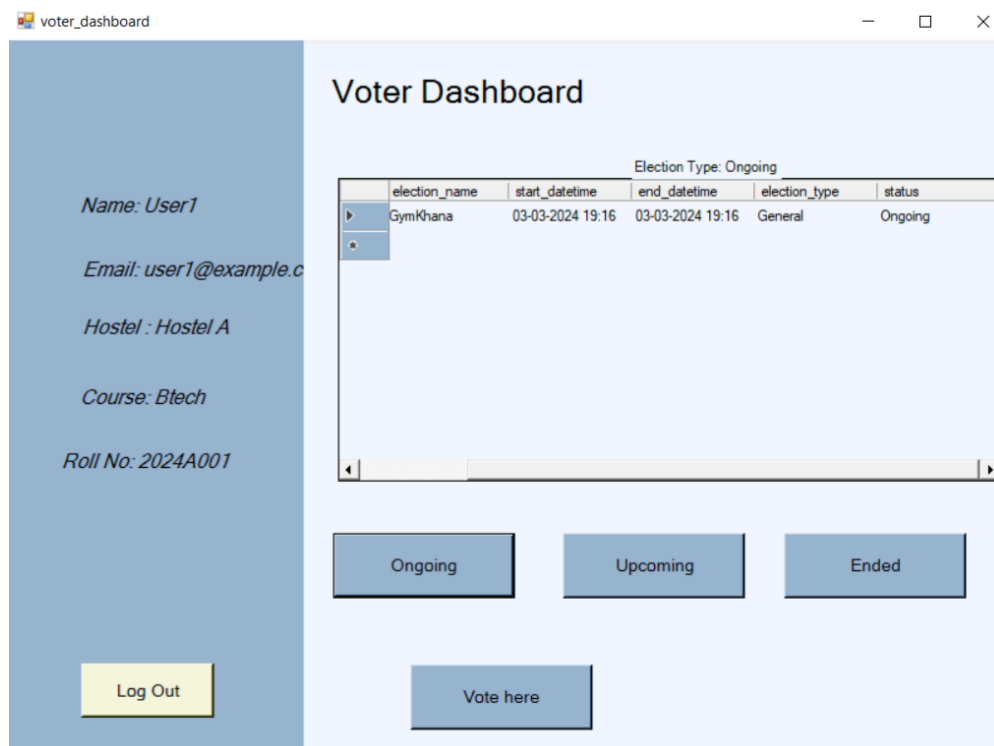
| election_name | start_datetime | end_datetime | election_type | status |
|---------------|------------------|------------------|---------------|--------|
| Gymkhana | 03-03-2024 19:16 | 03-03-2024 19:16 | General | Ended |

Below the table are three buttons: 'Ongoing', 'Upcoming', and 'Ended'.

He can see the list of all ongoing, upcoming and ended elections.
If eligible, he can register himself as a candidate in the upcoming elections.

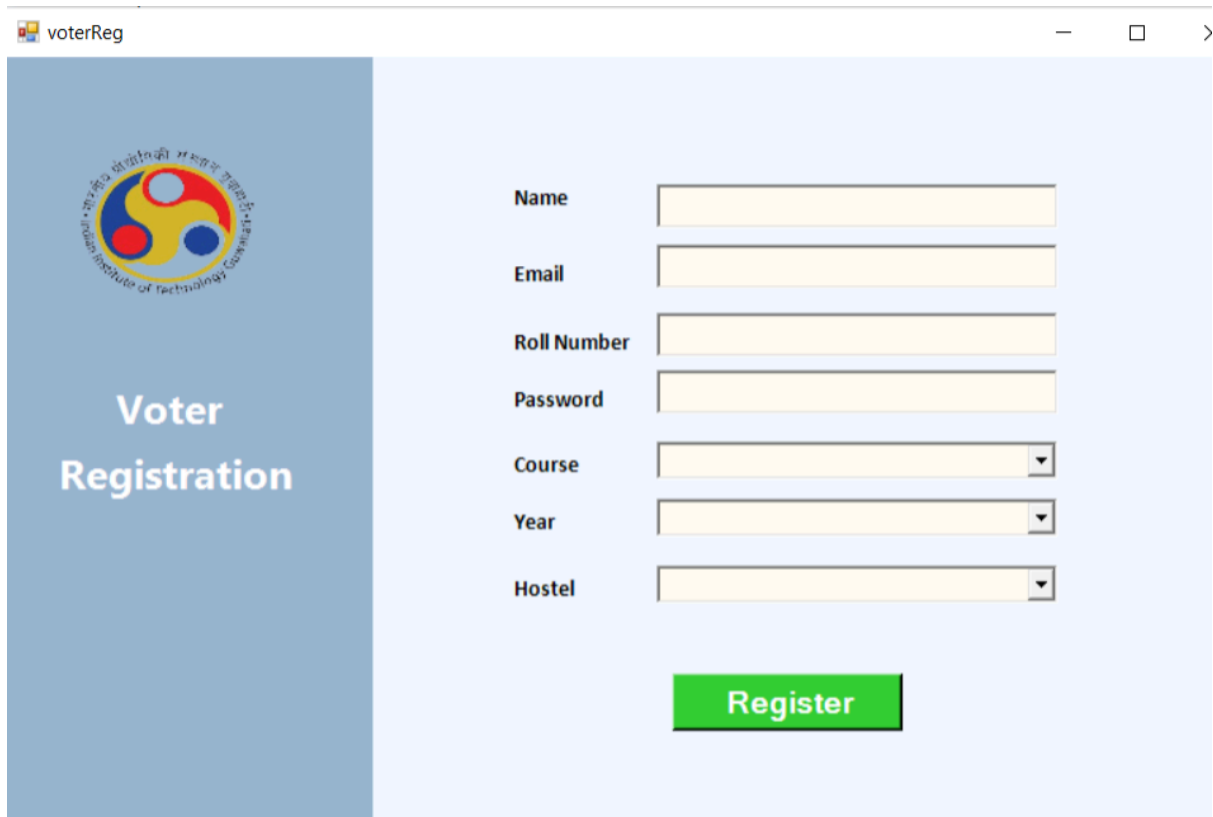


He can vote in an election only if it is ongoing.



If he has previously voted for that election(or registered as candidate, as the case may be), he is redirected to the respective pages.

Voter Registration




The screenshot shows a web application window titled "voterReg". On the left is a blue sidebar with the logo of the Indian Institute of Technology Guwahati and the text "Voter Registration". The main area is light blue and contains a registration form with the following fields:

- Name:
- Email:
- Roll Number:
- Password:
- Course:
- Year:
- Hostel:

At the bottom of the form is a green "Register" button.

Voting in an Election

Voters can vote in an ongoing election(only once).



The screenshot shows a web application window titled "currentelection". The header displays "Election: GymKhana". Below the header, a message reads: "Choose the candidate you wish to vote for and then click on 'Save Vote.'".

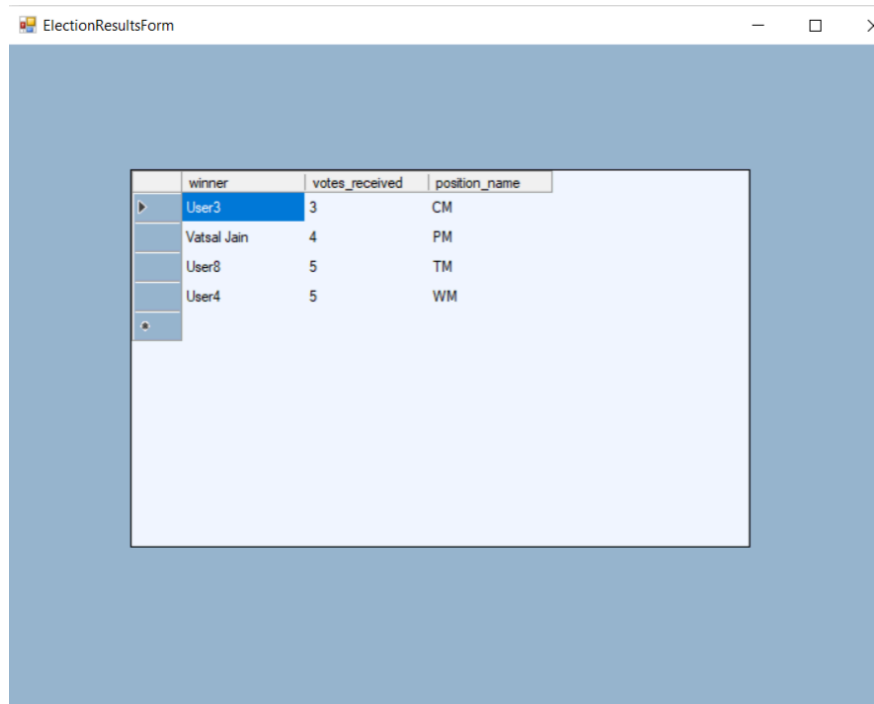
On the left is a vertical list of candidates: PM, CM, WM, and TM. The "PM" option is highlighted with a blue background.

On the right is a large light blue area for the vote. At the top of this area, there are two radio buttons: "Vatsal Jain" (which is selected) and "User1".

On choosing a candidate for all positions in an election, voters are redirected to the ballots page, where they get their own ballots.

Viewing Past Election Results

Voters can view the list and results of previously ended elections.



The screenshot shows a web application window titled "ElectionResultsForm". Inside the window, there is a table with three columns: "winner", "votes_received", and "position_name". The table contains four rows of data. The first row, "User3" for position "CM" with 3 votes, is highlighted in blue. The other rows are "Vatsal Jain" (4 votes, PM), "User8" (5 votes, TM), and "User4" (5 votes, WM). The table is set against a light blue background.

| winner | votes_received | position_name |
|-------------|----------------|---------------|
| User3 | 3 | CM |
| Vatsal Jain | 4 | PM |
| User8 | 5 | TM |
| User4 | 5 | WM |