

Online Voting System (OVS)

1.1 PROJECT ABSTRACT

Candidate registration, Voters Registration, document verification, auto-generated User IDs and Passwords for local admin, finger verification for voting and authentication are all features of the online election system. Election Commission will handle the admin login. Voters and Candidates can create a Login, which will be managed by the user (candidate /voter). So, the voter can vote for a Candidate only once during an election. The project benefits the Election Commission. Voters can see the details of the candidate like educational qualifications etc....

Local admin module is also present to handle the voters of particular region. Since there are multiple local administrators according to the number of regions present in the constituency. This user can verify or reject the voter according to the documents submitted by the voter at the time of registration.

Super Admin Can verify the Candidate registration by verifying the submitted documents. The registered candidate can participate in the election only after the approval of the admin (Election Authority). Admin confirming that a candidate is eligible for election, the administrator can check each candidate's details, confirm the documents, and reject invalid accounts. The administrator has complete control over the system and is able to moderate and delete any information that is unrelated to election rules.

Voting is done with a finger authentication mechanism; it ensures the security and prevents impersonation etc...

1.2 PROJECT SPECIFICATION

Modules:

- Super Admin Login
- Candidate Document Verification. (Done by super admin)
- Candidate Login
- Local Admin Login
- Voter Document Verification. (Done by local admin)
- Voters Login
- Voters can view Candidate's data
- Admin dashboard has overall functional rights

- Appropriate data processing and handling
- Result Calculation module
- Election Creation module
- Voting conduction module
- Feedback analysis (Feedback is gathered from voters and a sentimental analysis is done)
- Chat bot (Data Managed by super admin)
- Finger authentication (Future Work)
- Verification using OTP