

Project Design Phase - Part 2

Open Source Frameworks

TEAM ID	NM2023TMID04400
PROJECT NAME	BIOMETRIC SECURITY SYSTEM FOR VOTING PLATFORM

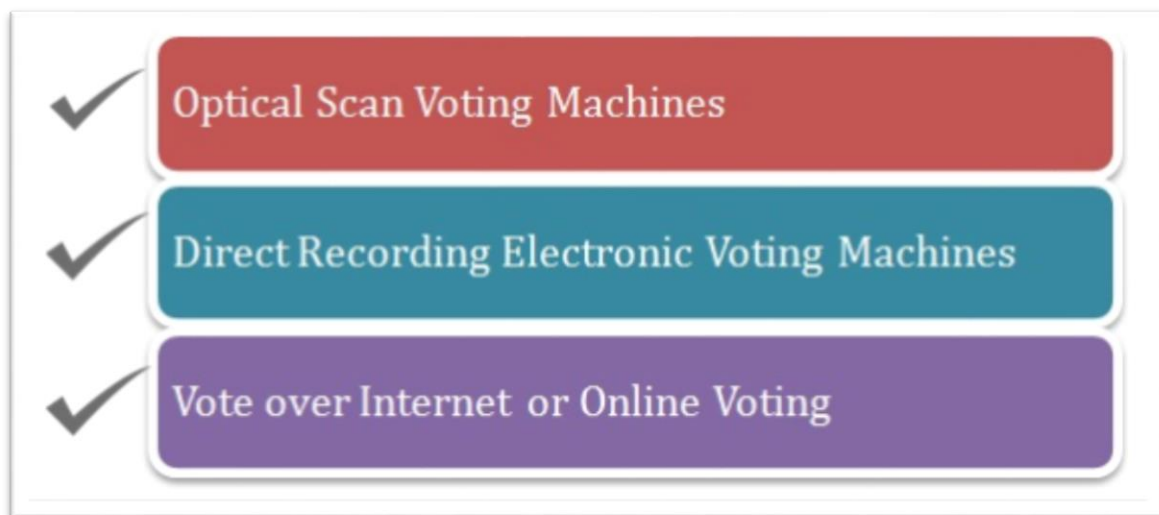
Open Source Voting Software Solution :

- Online voting and polling techniques have enabled the government and parliament agencies, businesses, societies, communities, clubs, colleges, and schools to strengthen their abilities and make a perfect decision.
- An optimized voting experience allows participants to vote on any device and, from anywhere when the voting period is open.
- Simple, straightforward, and easy voting and sharing results are the need for friction-less elections.
- Many of the voting software solutions can handle simple ballots and voting that happens in schools, colleges, clubs, etc. to complicated ballots and voting that goes to decide a government of a country or state.
- Election technology refers to much more than just the electronic machines to cast and tabulate the votes.
- A typical election cycle is never complete today without the utilization of smart EVMs i.e., electronic voting machines that are always found capable of enhancing substantial voter turnouts in different electoral sectors. They improve the participation of the voters and reduce tabulation time simultaneously.
- A well-designed **voting software** program goes behind making the process smooth and friction free.
- Right from registering voters till conducting post-election audits, voting software solutions play a bigger role.

- This article is going to present some exciting facts revealing how voting software solutions have influenced the entire election system in the private and public sectors.
- Additionally, we will also take you through some of the best **free and open source voting software solutions**.

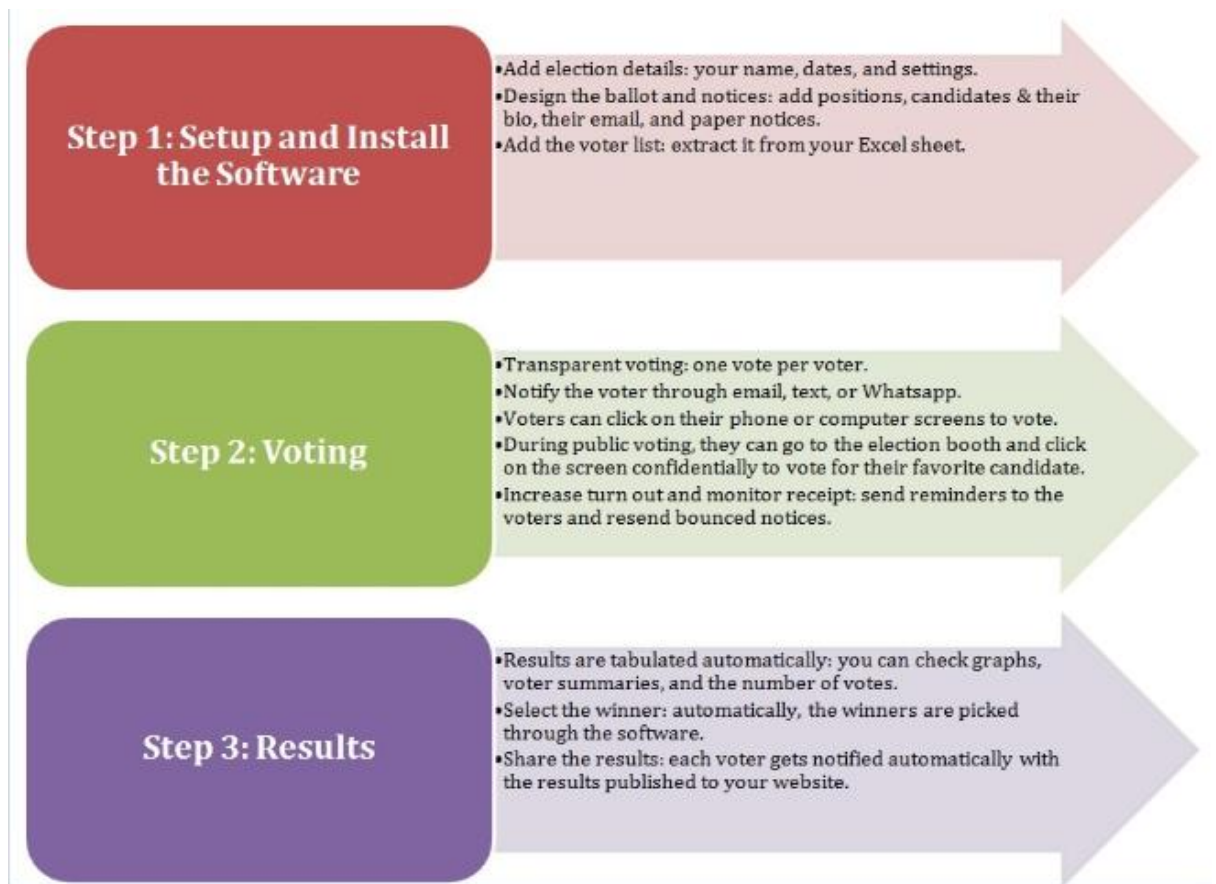
Types of Electronic Voting used in the Elections Worldwide

- Three main varieties of electronic voting systems exist today globally.



E-Voting Takes Place using a Voting Software Solution :

- A voting software helps in easy voting and result sharing. The most essential and vulnerable process of election involves recording and tallying votes, in secret, and checking out poll results without public oversight.
- Explore with us how this process goes further using the **voting software** system:



Open Source Voting Technology

- Software Engineers research, develop and then make publicly available innovative election software programs to increase accuracy, security, verification, and transparency in the election process.
- **Open Source Digital Voting Systems** are in trend these days. In comparison to the proprietary systems, open source voting software solutions are more diversified and come with improved usability and low costs.
- Their easy set of the framework makes them easily available and compatible with any jurisdiction to adopt, and deploy for in-house elections or outside commercial selection ventures.
- Here, you can check out the list of top-notch **free and open source voting software solutions** that are immensely popular in the market today.

The chart given below will help you to compare all the above-given software programs at once.

Top Free and Open Source Voting Software Solutions	Deployment	System Supported	Key Features
1. ElectOS	Cloud-Hosted, On-Premise	Web-Based	<ul style="list-style-type: none"> • Ballots Over Email • Election Management • Online Voting • Phone Voting • Online Nominations • Weighted Vote Support
2. HeliosVoting	Open-API	Linux, Web-Based	<ul style="list-style-type: none"> • Ballots Over Email • Election Management • Online Voting • Phone Voting • Voter Authentication • Online Nominations • Certified Results
3. VTP Toolkit	Open-API, On-Premise	Web-Based	<ul style="list-style-type: none"> • Candidate Profiles • Election Management • Online Voting • Printed Ballots • Voter Authentication • Online Nominations
4. DemocracyOS	Cloud-Hosted	Web-Based	<ul style="list-style-type: none"> • Candidate Profiles • Election Management • Online Voting • Ranked Choice Voting • Voter Authentication • Weighted Vote Support
5. FollowMyVote	Cloud-Hosted, Open-API	Windows, Mac, Web-Based	<ul style="list-style-type: none"> • Ballots Over Email • Candidate Profiles • Election Management • Online Voting • Voter Authentication

6. TrustTheVote	Cloud-Hosted, Open-API	Windows, Mac, Web-Based	<ul style="list-style-type: none"> • Ballots Over Email • Election Management • Online Voting • Printed Ballots • Online Nominations • Weighted Vote Support
7. SFOpenVoting	Cloud-Hosted, Open-API	Windows	<ul style="list-style-type: none"> • Ballots Over Email • Online Voting • Printed Ballots • Online Nominations
8. VoteWatcher	Cloud-Hosted	Windows, Web-Based	<ul style="list-style-type: none"> • Ballots Over Email • Candidate Profiles • Online Voting • Printed Ballots • Ranked Choice Voting • Voter Authentication • Certified Results
9. Pvote	Open-API	Windows, Web-Based	<ul style="list-style-type: none"> • Ballots Over Email • Candidate Profiles • Online Voting • Phone Voting • Printed Ballots • Voter Authentication • Certified Results
10. WeVote	Cloud-Hosted	Windows, Web-Based	<ul style="list-style-type: none"> • Ballots Over Email • Election Management • Online Voting • Phone Voting • Ranked Choice Voting • SMS Voting • Voter Authentication • Weighted Vote Support