

# Online Voting System

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**Abstract:** Online voting (e-voting) would be more convenient, relatively secure and utilize fewer resources. To be able to access e-voting system from a personal, business or even a public library computer may be more convenient for many people needing to vote. This could potentially be a solution for the low voter turnout at the polls. However, it is still questionable whether elections can be conducted online or over the internet due to the high level of concern over security. conducted online or over the internet due to the high level of concern over security. A pre-computation process is applied due to efficiency improvements. The details of this optimization and improvement in the web services process will be explained in subsequent sections. In This system whole system is managed by the administrator. He can update the database of candidate, voting schedule, citizen. And declare the result.

**Keywords:** Online voting

## I. INTRODUCTION

In traditional elections, a voter usually goes to the voting stations. After direct person-person verification with some IDs, the voter is allowed to vote. The voter is then given a ballot which allows a single vote. Once the ballot is used, it cannot be used again. However, this ballot must also be anonymous. Traditional polling methods trust a lot of parties during the election. The current methods require an attacker to interact directly with the voting process to disrupt it. There is a greater chance of getting caught as there will be physical evidence in the traditional polling.

On the other end, the internet is harder to control and manage the security as Network and internet related attacks are more difficult to trace. In the traditional polling, you know who is in the election room. Also, with the internet or network related voting, from all around the world you will have attackers, not only by the few people in the room. As mentioned earlier, this project 'Online Voting' accounts for fast and easy voting and entrance for this system is only to official voters. Electronics based voting systems are best for various reasons that include Citizens are getting accustomed to computers to basic tasks, such as shopping and online banking and they benefit people to vote who are far away from their native place, helping to reduce absent rate

### Benefits of Online Voting System

The following are some of the benefits of using ONLINE VOTING SYSTEM:

#### Greater Access: Benefits for Public Boundaries

One of the biggest advantages of online voting in elections is its allows people in todays mobile and digitally advanced society to participate in the democratic process over the internet.

#### Resource Scalability: Save Time & Money

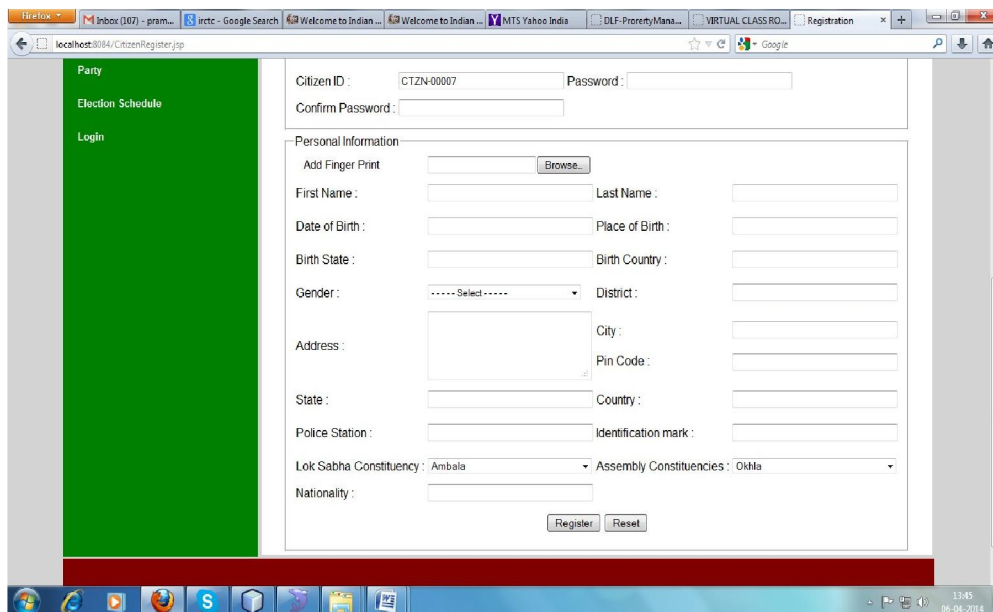
Online voting system enables elections to save a great amount of time and money

Moreover, unlike portal, e-voting does not restrict an panel each. As a result, voters get to lean on an individual basis, at their convenience.

Home page



Registrations Form



### Better Results: Benefits of Online voting in Information Retention

E-voting in higher elections has been known to improve productivity, augment focus and there by provide better elections results. In fact, as pie research, voters can boost their retention rates by as much as 25-60% through e-voting.

This is because visual learning coupled with a host of variable media formats tends to cast a positive influence on the learner's ability to grasp and retain information. This further improves scores & defines results.

### Improved Pace: Quick & Effective Voting Anytime

The process of e-voting is, by and large, self-paced. This is to say that e-voting enables voters to learn at a time and pace of their convenience. they don't have to worry about missing out on other opportunities merely to strengthen their election credentials.

Similarly, voters can choose their own pace of understanding, without having to experience the constant peer pressure to learn quickly and perform well.

### Cost-Effectiveness: Save Money on Online Voting vs Traditional Voting

Quite like democratic, e-voting can prove to be a cost-effective alternative for voters too. Traditional methods of election are more expensive because they include the charges of trainees, training materials, travel and accommodation.

### Party List



However, e-voting gets rid of all these costs, helping voters enroll for a portal of their choice. In the longer run, these economical rates empower voters to give their professional election a tremendous boost.

### Quick Lesson Delivery: Dynamic and Quick Voting Process

As compared to traditional methods of e-voting is much more sophisticated, dynamic and quick. Most e-voting portals are wrapped up within a single election session.

None the less, voters are given the flexibility to extend or reduce their session time, depending on their needs and requirements.

### Personalization: Customized Election Structure

Voting in higher election does not usually take place in a group setting. Instead, it impacts election in a more personalized, distinct, specific and transparent way. Voters can choose to ask questions, leave feedback, get responses, seek repetitions and clarify doubts as per their own level of comprehension.

this voting technique addresses issues, resolves problems and customizes the entire election structure to suit the voters demands.

### Instant Upskilling: Helps to Expand Your Capabilities

In a time where skills are required to be updated regularly, e-voting can prove to be an immensely helpful tool. Be it voters, beginners, experts of mid-career professionals – e-voting enables everyone to upskill themselves at a time and place of their choice.

Neither do they have to enroll in an election, nor are they required to explore any other opportunities. With e-voting, they can learn quickly & thereby, perform better

**Environmentally Sound: Hassle-Free Voting Opportunities**

Using voting methods instead of traditional voting can reduce total time and money consumption by approximately 60%. Being paperless, e-voting in higher election is an eco-friendly voting option than other power consuming & resource exhausting alternatives.

**Traceable Outcomes: Easy to Track Voting Progress**

Last but not least, voting works wonders when it comes to measuring outcomes, tracking results, and gathering feedback. While it is not possible to keep a close tab on every voter seeking election under the traditional system, e-voting methods ensure that a continuous and consistent evaluation can be undertaken to assess regular progress. As a result, the needs of every voters are accommodated & the quality of voting becomes better.

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