

Project Phase IV Report

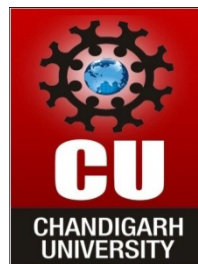
On

ONLINE VOTING SYSTEM

Submitted for the requirement of

Project course

**BACHELOR OF ENGINEERING
COMPUTER SCIENCE & ENGINEERING**



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ABSTRACT

Our system deals with online voting that allows user (voter), candidate and administrator (who may be in charge and could corroborate/checks all the person and information) to take part in online voting. Our on-line voting system is largely secured, and it has a easy and interactive user interface. The proposed online gate is secured and have unique security point similar as unique identity generation that adds some another way of security (besides login id and password) and offers admin the capability to test the user records and to decide whether he is eligible to vote or not. It additionally creates and manages vote casting and an election detail as all the users should login through user name and password and click on candidates to register vote. Our system is likewise prepared with a chat bot that works as a support or guide to the users, this facilitates the users in the voting process.

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Use of Modern tools in design and analysis

| | |
|-----------------------------|----------------------------|
| Platform | VScode, Xampp local server |
| Programming Language | Html, Css, Php |
| Database | Mysql |
| Project Type | Web Application |

The technologies used in this project are:

- **HTML:**
Basically, used for page layout and design. It is used to structure a web page of the website and its content.
- **CSS:**
Cascading Style Sheets (CSS) is used for adding style or design (e.g., fonts, colors, spacing) to Web pages.
- **JavaScript:**
Generally used for frontend.
It is used to make the website more dynamic, interactive and responsive to the user.
- **PHP: (Hypertext Pre-Processor)**
Generally used for backend part.
It is used mainly to create dynamic websites and applications.

Discussion and report/results analysis

The advantages of online voting systems over traditional voting systems are numerous. Less expense, faster generation results, easier accessibility, precision, and a reduced chance of human and mechanical errors are just a few of the benefits. It is quite difficult to create an online voting system that provides high levels of security and anonymity. Future development will be focused on creating a system that is simple to use and provides adequate security and privacy for votes through proper authentication and processing. It is simple to operate and takes minimal time. It's extremely simple to troubleshoot.

Project management and Professional communication (Presentation)

ONLINE VOTING SYSTEM

An approach towards digital transformation



INTRODUCTION

A software platform that allows groups to conduct votes and elections securely is known as an online voting system. High-quality online voting systems strike a balance between ballot security, accessibility, and the overall needs of a voting occasion.

OBJECTIVE

What better can be achieved with online voting system?

01

Cost Savings and Efficiency

The cost reductions and efficiencies you'll see are unrivalled by any other voting technique.

02

Voter Accessibility

A vote with low accessibility might require you to fly halfway around the world to vote. A vote or election with high accessibility, on the other hand, is tapping a link on your mobile device that securely logs you into the online voting system website and you just need to vote.

03

Auditability and Verifiability

Sharing all administrator activity during your election to ensure no one tampered with the results is just one of the many trust-building strategies you can employ in the face of a vote challenge.

04

Secure and corruption-free Election Results

The consequences of an unfair vote are costly, time-consuming, and devastating to the hard-won trust you've created among group members. In this regard, an online voting system provides unmatched election security.

Technology Used



HTML

The HyperText Markup Language or HTML is the standard markup language for documents designed to be displayed in a web browser.

CSS

Cascading Style Sheets is a style sheet language used for describing the presentation of a document written in a markup language such as HTML.

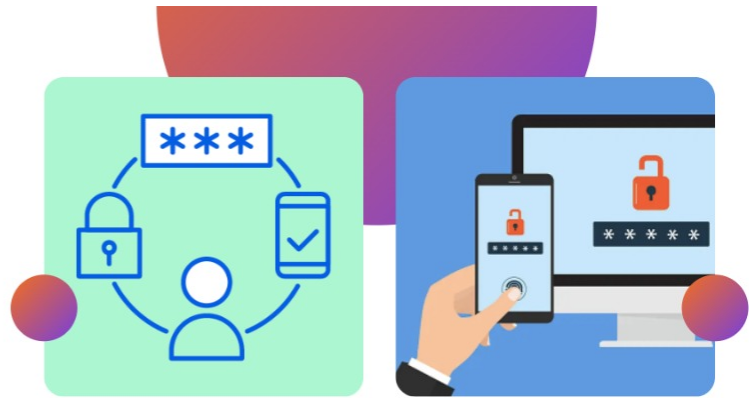
PHP

PHP is a general-purpose scripting language geared toward web development.

Javascript

JavaScript provides facility to validate the form on the client-side so data processing will be faster than server-side validation.

Some more features



Validation on REGISTRATION

User details are checked at the time of registration, eg: user must be 18+ year old, user must choose a unique username, etc

Authentication on LOGIN

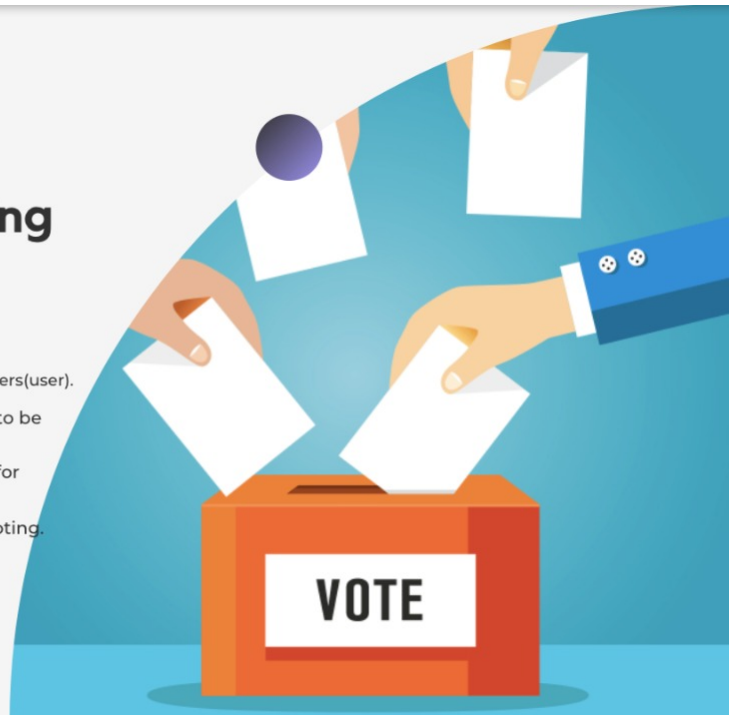
User details like username and password are used to gain the access to voting system.

Quick Results

Within a fraction of result, the voter casts his/her, vote-result is updated immediately.

Making online voting POSSIBLE !

- ➔ A data-base holding the details of all valid voters(user).
- ➔ A backend with already registered parties to be voted by admin side.
- ➔ Front-end accepting the login credentials for the pre-registered voter.
- ➔ User friendly environment for hassle-free voting.



Attainment of stated outcomes

The Online Voting Platform offers first rate agenda highlights, vote counting, type and revealing. Furthermore, it allows heads to make decides on polls with the intention that voters cannot cast invalid votes, nor do they should be checked while tallying. The Online Voting Platform offers the least demanding and very beneficial technique for administrators and voters alike. This provides graphical and easy to understand portrayal of the votes obtained by every applicant. It saves time and reduces human intervention as compared to already exits voting system, and no person can cast votes on behalf of others and multiple times. The system can be used every time and from anywhere by the Voters. This era makes life easier, already several societies like IEEE moved to online voting, soon others will be part of it.