SYNOPSIS

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Online Voting System

Submitted By:

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Submitted To:

Ms Ruchi Talwar

Technical trainer

Training and Development

Title of the Project:

Online Voting System

Objective:

The primary objective of our project is to design and implement an online voting system that facilitates secure and convenient voting for various elections. This system aims to address the challenges associated with traditional in-person voting methods and provide a reliable, user-friendly, and transparent platform for voters.

Scope:

Our project will encompass the development of a secure online voting platform.

It will include features for voter registration, candidate information, electronic voting, and result tabulation.

The project will not cover the physical infrastructure for internet access or voter authentication mechanism

Methodology:

Programming Languages: Java (backend), HTML/CSS/JavaScript (frontend)

Software: Spring Framework, MySQL database

Hardware: Server hosting for the online platform

Proposed System:

The proposed system is a web application that allows eligible voters to register, view information about candidates, and cast their votes securely. It will also have a robust backend for vote tallying and result generation.

Features:

Voter registration and authentication.

Candidate information and profiles.

Secure electronic voting with encryption.

Real-time result tabulation.

Audit trail for transparency.

Implementation Plan:

Phase 1 (4 weeks): Project planning and system design.

Phase 2 (8 weeks): Frontend and backend development.

Phase 3 (4 weeks): Testing and security assessments.

Phase 4 (2 weeks): Deployment and user training.

Team Members:

•Project Manager: [Prince Kumar Arya]

•Backend Developer: [Raunak Pandey]

•Frontend Developer: [Harsh Nishad]

•Database Administrator: [Ashutosh Dixit]

Resources Required:

Software: VS Code,MongoDB

Hardware: Server for hosting the online platform

Internet connection and development machines for team members

References:

Research papers and online resources on secure online voting systems

Expected Outcomes:

By the end of the project, we expect to deliver a fully functional and secure online voting system that can be used for various elections, ensuring transparency, accuracy, and accessibility.

Project Supervisor:

Ms Ruchi Talwar

Conclusion:

Our project, "Online Voting System," aims to modernize the election process by developing a secure and user-friendly online voting platform. This system will provide a secure and convenient alternative to traditional voting methods, promoting transparency and increasing accessibility to the voting process. With the guidance of our faculty supervisor, Dr. Ruchi Talwar, we are committed to achieving a successful outcome for this project.