SYNOPSIS

ON

Project Name: Online Voting System

Submitted By:

Pavan Varshney-J-2115000703
Shyam Gupta-J-2115000989
Priyanshu Hajela-I-2115000782
Pratham Srivastav-J-2115000757
Prakhar Mishra-M-2115000730

Submitted To:

Mentor name: Ms. Ruchi Talwar
Designation: Technical Trainer
Department: Computer Science
    Engineering and Applications.

Title of the Project: ONLINE VOTING SYSTEM in which anyone free to vote to any candidate securely and easily.

Objective: The main objective of this project is develop a secure and efficient online voting system which will increase the participation of voter and engagement and provide a user-friendly interface between voter and election community.

Scope:
- The project will focus on the development and implementation of the online voting system.
- The system will support voter registration, candidate registration, secure voting, and result calculation.
- Initial deployment will be for reality show voting.

Methodology:
- Requirements analysis: Identify the needs of voters, election administrators, and candidates.
- System design: Develop a secure and user-friendly platform with the support of Database Design (My SQL) and Form Design (HTML, CSS).
- Implementation: Build the online voting system and its components through the Coding (PHP and JavaScript).
- Testing and validation: Thoroughly test the system for functionality and security.
- Evaluation and improvement: Gather feedback and Data Report.

Proposed System:
- A web-based online voting system with user and candidate registration, secure voting and result calculation features.
- Work on avoid repetition in voting.
- Security measures accessible for all users.

Features:

- User registration and authentication must.
- Candidate profile creation.
- Secure voting process with encrypted votes.
- Voter verification through secure methods.
- Real-time results calculation.
- Mobile compatibility.
- In the database information of every voter is stored.

Implementation Plan:
- Requirements gathering and analysis.
- System design and development.
- Testing and validation.
- Continuous improvement based on knowledge.

Team Members:
- Pavan Varshney : works on backend development.
- Shyam Gupta : works on backend development.
- Priyanshu Hajela : works on security analysis.
- Pratham Srivastav : works on frontend (Javascript).
- Prakhar Mishra : works on frontend (HTML, CSS).

Resources Required:
- Software requirement :-
  - O.S : windows 11.
  - Development Language : HTML, CSS, JAVA SCRIPT.
  - Database : MYSQL and PHP
- Hardware requirement :-
  - Processor : intel corei5
  - SSD : 512GB
  - Ram : 8GB
  - Keyboard : Standard QWERTY keyboard for interface.
  - Mouse : Standard mouse with 2 buttons.

References:

Himanshu Agarwal and G.N. Pandey "Online Voting System for India Based on AADHAAR ID".

Smita B. Khaimar, P. Sanyasi Naidu, Reena Kharat "Secure Authentication for Online Voting System".

Expected Outcomes:
- Increased voter participation
- Improved accessibility for all citizens.
- Easily excess environment.
- A secure and reliable online voting system.
- Voting result securely.

Project Supervisor:

The mentor of this project is Ms. Ruchi Talwar mam.

She is technical trainer in GLA University Mathura and

supervising our mini project.

Room no. AB-8, 433

Conclusion:

Online Voting System will manage the Voter's information by which voter can login and use his voting rights. It has many advantages such as less cost, faster generation results, easy accessibility, accuracy and low risk of human and mechanical errors. It is very difficult to develop online voting system which can allow security and privacy on the high level. It is easy to use and it is less time consuming. It is very easy to debug.