

MINOR-1 PROJECT

SYNOPSIS REPORT

Online Voting System

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Synopsis Report

1. Project Title

Online Voting System

2. Abstract

The term "vote" indicates to select from a list, to elect, or to decide. In a situation involving inhabitants of a certain country, the primary purpose of voting is to elect leaders of the people's choosing.

Some of the issues include vote rigging during elections, unsecure or inaccessible polling locations, insufficient polling materials, and unskilled employees.

This online voting/polling method aims to overcome the difficulties raised above. It should be highlighted that with this system in place, users, or citizens in this case, will have plenty of time to vote during the voting session. They will also be taught how to vote online before the election.

3. Introduction

"ONLINE VOTING SYSTEM" is an online voting technique. In this system people who have citizenship of India and whose age is above 18 years of age and any sex can give his her vote online without going to any physical polling station.

There is a database which is maintained in which all the names of voters with complete information is stored.

In "ONLINE VOTING SYSTEM" a voter can use his\her voting right online without any difficulty. He/she has to be registered first for him/her to vote. Registration is mainly done by the system administrator for security reasons. The system Administrator registers the voters on a special site of the system visited by him only by simply filling a registration form to register voter. Citizens seeking registration are expected to contact the system administrator to submit their details. After the validity of them being citizens of India has been confirmed by the system administrator by comparing their details submitted with those in existing databases such as those as the Registrar of Persons, the citizen is then registered as a voter.

After registration, the voter is assigned a secret Voter ID with which he/she can use to log into the system and enjoy services provided by the system such as voting. If invalid/wrong details are submitted, then the citizen is not registered to vote.

4. Literature Review

Online voting systems have received a lot of attention as a way to increase democratic participation, improve election processes, and make voting more accessible to voters. This review of the literature focuses on the important features of online voting systems, specifically the usage of Java programming, Data Structures and Algorithms (DSA), and Operating Systems (OS) in their development and operation.

Java has been widely used in the creation of online voting systems due to its portability and security capabilities. Researchers have used Java's platform independence to construct cross-platform programs that function well on a variety of devices. Its strong security procedures, such as bytecode verification, help to protect important voter data. Furthermore, Java's multithreading capabilities have been employed to efficiently handle concurrent user requests in online voting platforms.

In online voting systems, efficient data management and secure algorithms are critical. DSA is critical in maintaining the integrity and confidentiality of voter information. To create secure and efficient online voting systems, researchers investigated various data structures and cryptographic algorithms. Merkle trees for validating vote integrity and advanced encryption methods for safe ballot transmission have been implemented into these systems.

The operating system used can have a considerable impact on the performance and security of online voting systems. Researchers investigated the interoperability of online voting software with various operating systems. The choice of an appropriate operating system influences the system's resilience to cyber attacks and vulnerabilities. Security-hardened operating system releases have been deployed to guard against future assaults on online voting infrastructure.

5. Problem Statement

Internet has sparked debate about e-democracy and online voting. Many people believe that the internet will eventually replace representative democracy by allowing everyone to vote on anything and everything through online voting. Online voting has the potential to save costs while also making voting more convenient. This sort of voting can be utilized for e-democracy or to finalize a decision if there are several possibilities.

Online voting requires authentication, so it must be secure, and the system must be capable of collecting, marking, delivering, and counting ballots by computer. The convenience of internet voting may boost voter turnout, and it may help to prevent fraud voting.

6. Objectives

Developed using Java JSP and MySQL, the Online Voting System seeks to eliminate manual errors by establishing a computerized framework for managing a Online Voting System. This system empowers users to seamlessly handle operations related to Results, Register Candidate, Citizen, Polling, Confirmation, and Voting in a centralized and organized manner.

With its intuitive interface and robust functionalities, the Online Voting System serves as an optimal solution to efficiently manage Confirmation, Voting, ensuring a smooth experience for administrators and users within the Online Voting System.

The Online Voting System represents innovative and practical Java JSP and MySQL projects suitable for pre final-year endeavors. These Java JSP Projects pertaining to the Online Voting System are meticulously designed to provide hands-on experience in developing a resilient Online Voting System. Designed with user-friendly interfaces and advanced capabilities, these projects serve as valuable resources for students and developers aiming to enhance their Java JSP programming skills. Elevate your academic achievements with a final-year project centered around the Online Voting System.

Enhance your pre final-year project through our expert guidance. Gain access to the source code and database of our Online Voting System to expedite your project development. By acquiring the source code and database, you gain insights into the implementation of crucial features related to Polling, Voting, Candidate, and Voting Date. In search of free, high-quality Online Voting System Projects? Our selection includes an array of free projects accompanied by detailed documentation and source code of Online Voting System.

Discover our collection and select projects aligned with your requirements. Our Online Voting System projects feature comprehensive documentation and synopsis, furnishing step- by-step instructions on the system's operations, functionalities, and advantages. The documentation and synopsis offer insights into the project's architecture, modules, and potential for customization to meet specific project demands.

7. Methodology

We can implement an online voting system that uses a distinctive voter id and password for the candidate in order to implement the system.

A. Proposed Methodology

Several Internet voting frameworks will be created and compared with conventional voting systems to assess their weaknesses, feasibility, and full compliance with voting requirements

B. Algorithm

In this project, we are going to use php and data base algorithms in order to implement this online voting system. There is a database for determining how many users have logged in and submitted votes, and PHP for the login and submission process.

C. Applications

With this online voting system, we can choose a specific person in online games, quizzes, and television shows such as Big Boss.

D. Future Enhancement

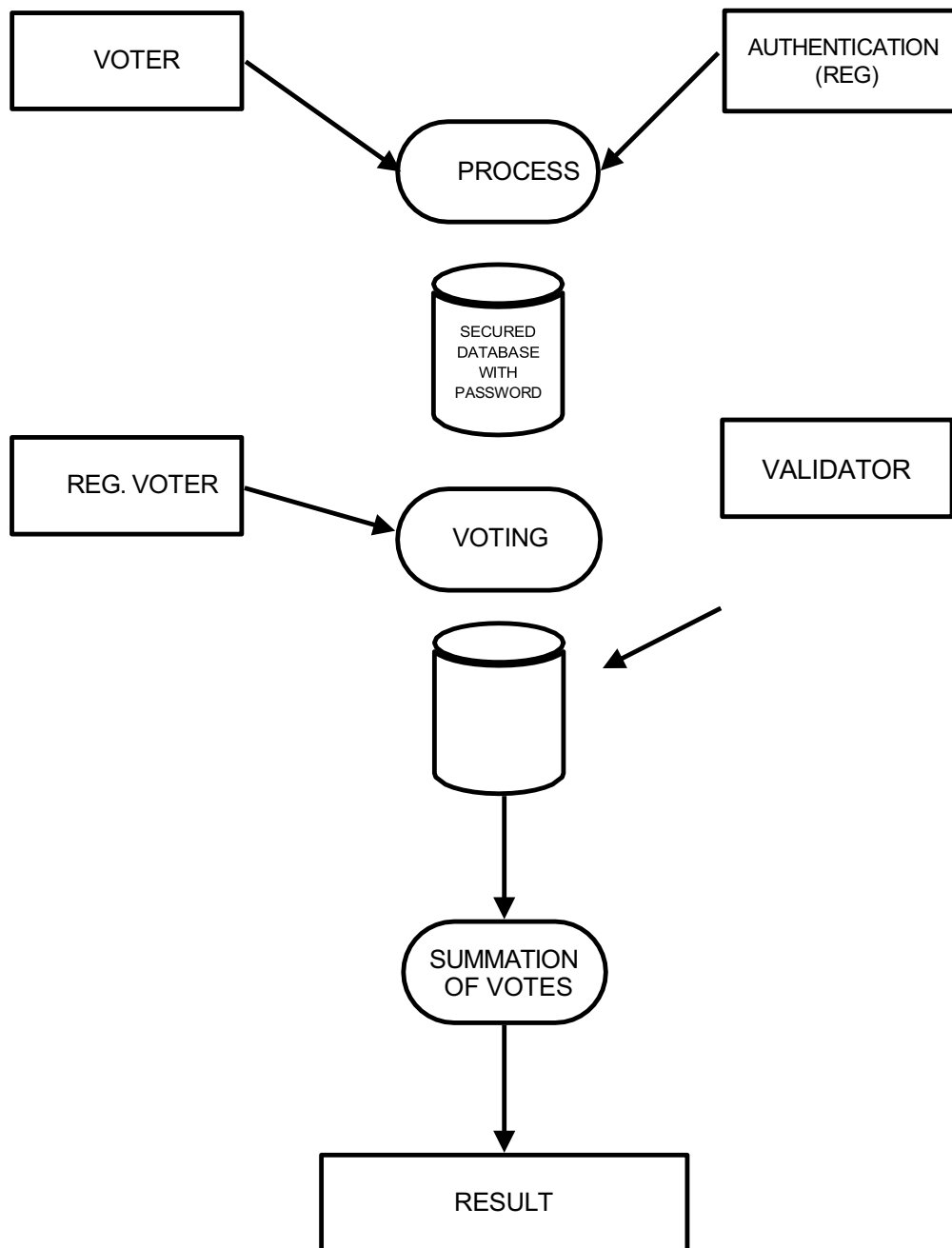
Future enhancements will include the use of online voting

E. Aadhaar Card

Fast results are possible with this Aadhaar voting

F. Biometric Online Voting

In this paper, I will explain how the user can use their thumb in order to vote using a biometric voting machine. By using this thumb, we can reduce cheating during voting because each thumb is different from all other users. This makes it more secure than paper ballot voting. It is different for every voter. The biometric thumb is used as shown above. The voter inserts their finger into the biometric device, which then scans the finger, and then the thumb is used to cast their vote.



9. Conclusion

This online Voting system will manage the Voter's information by which voter can login and use his voting rights. The system will incorporate all features of voting system. It provides

the tools for maintaining voter's vote to every party and it count total no. of every party. There is a DATABASE which is maintained by the ELECTION COMMISSION OF INDIA in which all the names of voter with complete information is stored.

In this user who is above 18years's register his/her information on the database and when he/she want to vote he/she has to login by his id and password and can vote to any party only single time. Voting detail store in database and the result is displayed by calculation. By online voting system percentage of voting is increases. It decreases the cost and time of voting process. It is very easy to use and it is very less time consuming. It is very easy to debug.

The traditional method of manual voting system has few drawbacks. This method is obviously not efficient as it wastes the voter's energy and quite slow in term of completion. This smart system involves the voter's can cast their vote easily, and can be implemented to the entire India.

10. References

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