



STUDENTS E-VOTING SYSTEM

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ABSTRACT

Our country, India, is the biggest democracy with inside the world. It is therefore important to ensure that governing bodies are elected through fair elections. The main purpose of this project is to provide a secure and easy-to-use online voting system. Tuning issues remain important from a security and protection perspective. This is inefficient and below average as it requires a lot of manpower and takes a long time to process and send the results. The system needs to be modified to address these shortcomings and be effective. An additional feature of this model is that online voters can verify that their votes were cast for the correct candidate ID. This model also allows users to vote from outside or inside the preferred location zone. Today, with population growth, the need to validate voter effectiveness is an issue. Because modern communications and the Internet are now mostly electronically accessible, users of computer technology have an increasing need for electronic services and their security. Using new technology in the online voting process will naturally improve elections. After industrialization, more and more people left their homes and came to cities in search of work. However, many of them still have their voter ID at their hometown address. In online system mode, you can vote in one of the following locations: Locals, Business Reasons, and Other Locations. These shortcomings can be overcome by online voting systems. It is a voting system that allows you to vote from anywhere in the country. Voters can vote safely from anywhere in the country without going to a polling place. This will make voting non-violent and increase the percentage of online voting. Provide sufficient security for online voting systems to reduce the number of fake votes.

Keywords — HTML, CSS, Java Script, PHP, MYSQL.

INTRODUCTION

India has a democratic government. Because every Indian citizen will be part of a growing digital India. With this system, administrator-approved people can vote online without going to a physical polling place. There are many voting methods used for voting purposes such as: B. Voting and EVM. Online voting systems in use today are characteristically different from voting methods, and some features of voting systems that are superior to online voting systems, such as accuracy, convenience, flexibility, privacy, verifiability, and mobility. Offers. However, electronic voting systems have various drawbacks, including: B. Time. cumbersome, consumes a lot of paperwork, no direct role for senior officials, machine damage due to lack of attention, bulk update does not allow users to update and edit many items at once, etc. These drawbacks are the online voting system. The main advantage of an online voting system is that users can vote from anywhere, without having to vote on a ballot paper. It has more features than the regular voting system. This way most people can vote without missing anything. Voters can vote safely without going to a voting booth. This makes voting an act of fearless violence. And it increases the voter quota.

LITERATURE REVIEW

1.E- Voting Systems An online voting system for conducting elections that allows voters to vote from their current location. It attracts more voters because voters don't have to go to polling stations or booths to vote. The proposed system is supported on Windows, Android, or iOS. Voters are verified using a QR code and a one-time password. Only verified voters can vote. The system is readily accessible, inexpensive and easy to maintain. From this document, I've come to the conclusion that one of the most important parts of the Management Portal is verifying voter identities before accepting voters into the system.

2.Decentralized EVoting Portal Using Blockchain It explains how the blockchain can act as a ledger and execute transactions in a decentralized way. This whitepaper highlights a number of applications based on blockchain technology, including those covering many areas such as financial services, government services, non-financial services, and the Internet of Things (IOT). Blockchain is decentralized, so there is no need for a central authority. In this paper, we briefly explained the core structure and workings of blockchain technology. H. It is a public, shared, tamper-proof ledger that allows people to share information in a trusted way. A blockchain database is a distributed, shared, fault-tolerant, append-only database that holds records in blocks. From this paper, we conclude that blockchain with key features has the potential to transform traditional industries, one of which is online voting systems. Care, Convenience, Flexibility, Privacy

3. Electronic Voting Machine with Enhanced India's EVMs are designed and developed by two government defense manufacturing divisions, Bharat Electronics Limited (BEL) and Electronics Corporation of India Limited (ECIL). Both systems are identical and developed according to the specifications of the Indian Electoral Commission. The system consists of two of his devices powered by a 6V battery. One device, the voting unit, is used by voters and another device, the control unit, is operated by the electoral commission. Both units are connected by a 5 meter long cable. Voting units are blue. For each candidate, a unit can hold 16 candidates for her, but he can hold 64 candidates by linking up to 4 units. On the face of the control unit he has three buttons. A button that triggers a single vote, a button that displays the total number of votes cast so far, and a button that ends the voting process. The result button is hidden and sealed. Can only be pressed if the "Close" button is already pressed.

4. Biometrically Secured Electronic Voting In this white paper, we present an implementation and use it to evolve a fingerprint tamper-proof voting system. The purpose of the project and its implementation is to provide a safe and favorable environment for customers by using fingerprint identification technology to assign each user a competitive name and using smart electronic voting machines to vote for candidates. That's it. To bring this project to fruition, we use fingerprints as authentication for EVM, so we provide the highest level of security here. Brilliant EVM is an embedded-based project and implementation. These are the microcontroller and the interface. Intelligent EVMs are specifically designed to accurately sense, record, store, count and display.

PROBLEM STATEMENT

The voting process is easy with this system as the voting system is cost effective. Our voting system provides instant unbiased voting results and our voting system is time efficient.

EXISTING SYSTEM

The existing voting system is manually run. Voters have to go to the booth to pick a candidate, which is a waste of time. Voters must manually enter themselves into the voter list. Votes must also be tallied manually. All voter or candidate information must be entered manually. Voters must be in the constituency to vote. Electronic voting machines are used, which cost more. The voting system that the government has used so far is a paper-based system, in which voters simply collect the votes they want to cast from an elections officer and hand the ballot to the elections officer to cast their ballot.

PROPOSED SYSTEM

An online voting system that manages voter information, registers voters and exercises voting rights. A database maintained by the Indian Electoral Commission holds the complete data and complete information of voters. Upon registration, voters will be asked for their full name, age, mobile phone number and details verified by the administrator. At the time of voting, the voter will be asked to enter her mobile number and her OTP. The voter is then authenticated and can vote for her one of the candidates from the list. If the voter has already used her OTP number, there is no need to register. Otherwise, you must register with the voting database before voting.

METHODOLOGY

You can implement an online voting system with a login that requires a user ID and candidate's name. All information about users is entered into the database, which can be used by administrators to verify users. The database has various tables for Users, Candidates, Results, and Admins. This is the first page of the online voting system website called the welcome page. It has all page options like home page, administration page, registration page, login page, voting page, result page.

HOME PAGE

This is the first page of our online voting portal with all the functionality of the portal. It has links to other pages such as registration page, login page and admin page section. This page also provides a brief description of the system so that the user can get an overview of the system as a whole.

REGISTER PAGE

This is the registration page where voters can register. The user must enter the details requested by the administrator through the registration page. All data recorded in the portal are stored in their respective databases. The administrator reserves the right to accept a user's legal age, i.e. the age of anyone under the age of 18 who has not registered to vote.

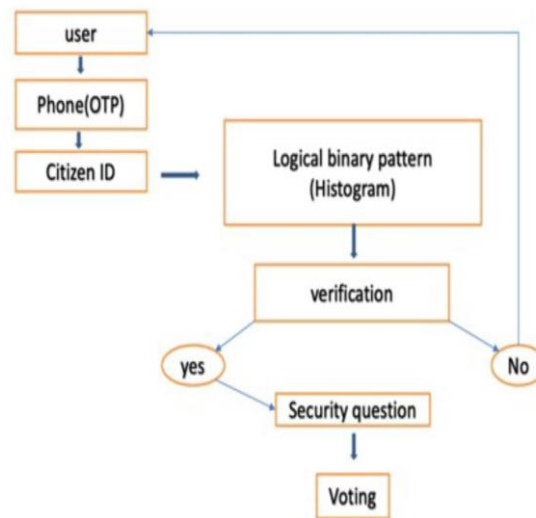
USER LOGIN PAGE

After registration, the data will be saved in the database and sent to the administrator. Users can log into the portal using a unique username and password generated by registration.

ADMIN PAGE

An administrator can log into his account to manage the entire online voting process, add new elections, generate IDs for users, verify users, and generate results. He has the right to generate his one for you by verifying you.

SYSTEMARCHITECTURE



CONCLUSION

Our online portal gives voters a chance to cast his vote via the internet without going to voting booth. They faced by users during the whole voting process. This system gives fast access, more security levels, high flexibility, and efficiency. It also eliminates the chances of fake person casting a vote or bogus voting. It also reduces manpower and unwanted human errors. . Future development focused to design a system which can be easy to use and will provide security and privacy of votes on acceptable level by proper authentication and processing section .It provides quick results by elections, which are completely accurate. Our system focuses on reducing the time and paper work. Hence the online voting system make all the voting process fast and give security to the votes.As we all know, there are manyorganisations that conduct elections for thepositions like "group leader, project leader, Employee of the Month, and for someminor changes in working environments, etc. In that case, online voting can be very helpful to conduct a vote. People can cast their votes.

from anywhere. as colleges conductelections for positions like president, vice president, etc. For many college societies like CSI, Trinity, etc., and other managementposts for students and an online voting systemcan be used on any cases like theseefficiently and can be customised accordingto clients needing any type of online voting elections.

RESULTS

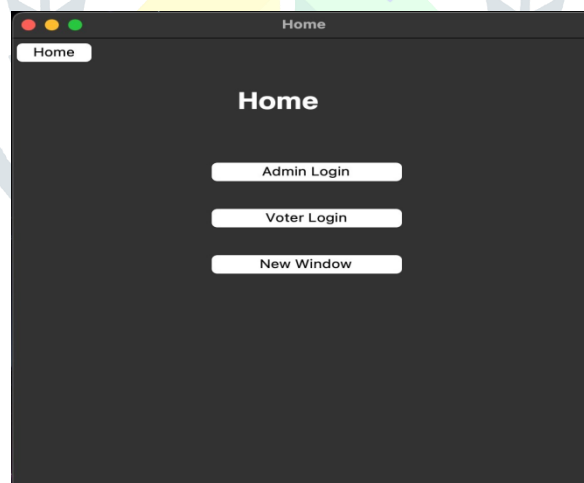


Fig1: It has a link of other pages such as the register page,login page, admin page section.

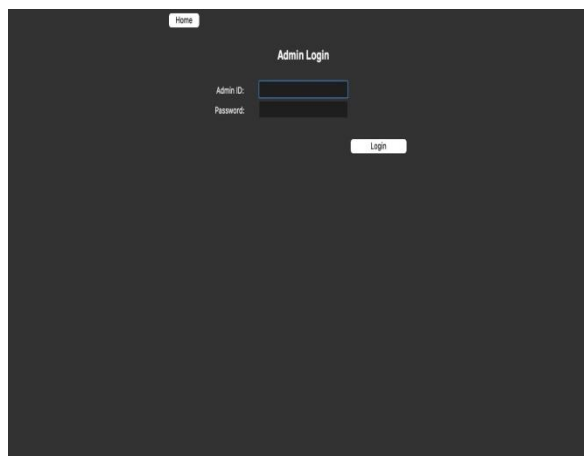


Fig2:we can login to his account and can manage the whole online voting process by adding a new election, generating an ID for the user

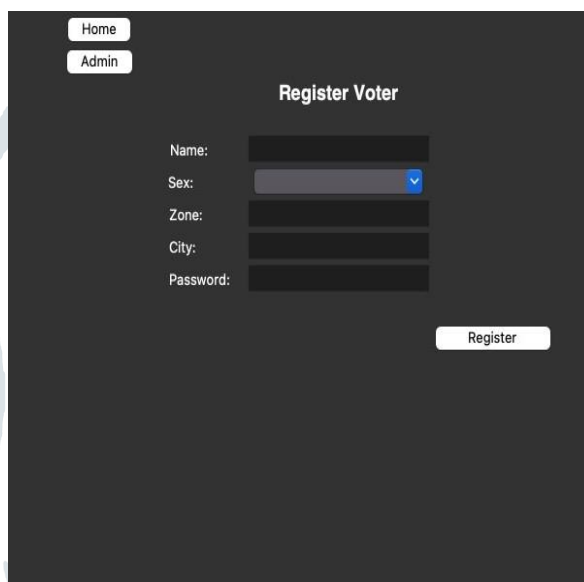


Fig3:where the voter can register themselves. The users have to enter their details, which are required by admin through the registration page.

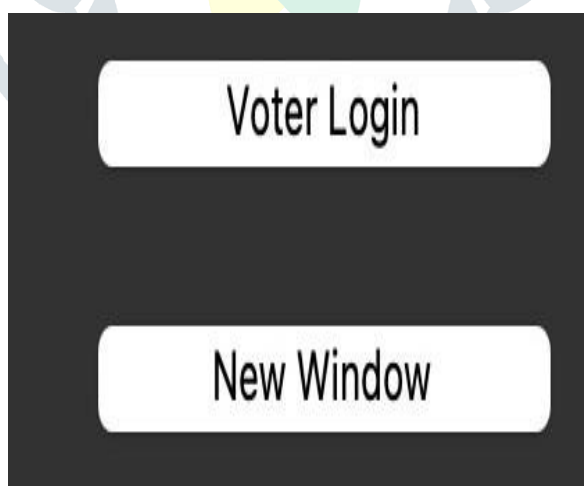


Fig4:The details are saved to the database and sent to the admin. The user can login to the portal with his unique username and password generated through the registration.

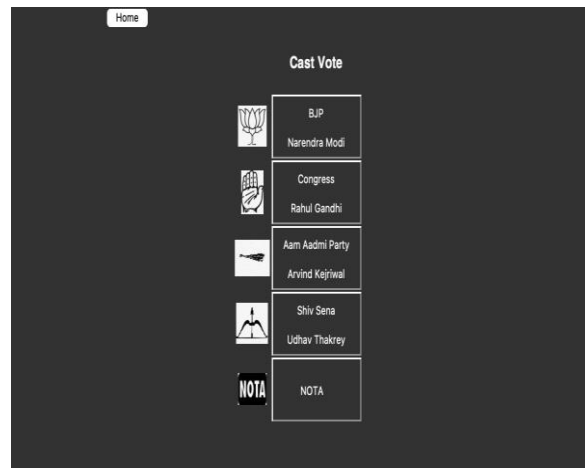


Fig5: All the results are being generated by admin after the successful completion of the election.



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