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Online Voting system

Alisha Khan[1], Mahak Agarwal[2], Sadaf Amir Ahsan[3], Vaishnavi Dubey[4]
[1,2,3,4] B. Tech 4th Year, Dept. of Computer Science, Itm Gorakhpur, UP, India.

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Abstract: *A software platform called an online voting system enables organisations to safely conduct elections and votes. The online voting system that enables user or voter, candidate, and administrator participation is the topic of our study. The administrator will be in control and will check all of the user and user information. The user interface of this system is straightforward and participatory, and it will be very secure. The suggested online portal is protected and has special security features like unique ID generation that add another layer of security (apart from login id and password) and offer admin the opportunity to confirm the user information and determine whether or not he is qualified to vote. As all users must log in using their username and password and click on candidates to register to vote, it also creates and manages voting details. A chatbot that acts as a support or a guide for voters in our system also aids users in casting their ballots.*

Key Word*: HTML, CSS, Java Script, PHP, MYSQL, phpMyAdmin,XAMPP.*

I. INTRODUCTION

"ONLINE VOTING SYSTEM" is a web-based voting system that will assist us in conveniently and securely managing any elections. Voters can use their computer or mobile device to cast their ballots via the online voting system, which eliminates the need for them to physically visit a polling place. There is information or data that is preserved, and it contains all of the voter names and their complete personal information.[1]The system administrator registers the voters by having them fill out an application. The voter is then given a hidden voter ID, which they can use to log into the system and cast their ballot. A link is emailed to each recipient's email or phone number after they successfully register. The link functions as a key that enables them to activate the user's account. A PHP platform is used to construct an online voting system, with a goDaddy domain serving as the back end.[2] The primary goal of the online voting system is to provide an online application, such as an online reservation system, for residents above the age of 18. The online voting system is constructed in PHP Platform.

Electronic voting methods have a number of limitations, including the need for a lot of time and paper, the lack of a direct role for higher officials, machine damage from neglect, the inability to update and amend multiple items at once with mass updates, etc. The Online Voting System can overcome these problems. With this voting system, each voter can exercise their right to vote from anywhere in the nation. Voters can securely cast their ballots from anywhere in the nation without physically going to a polling place. This makes voting brave in the face of violence and raises the turnout rate.

Problem Statement:

Our online voting system will simplify the voting process because it will include a chatbot that will assist each user during the voting process. If a user encounters a problem during the process, the chatbot will provide an efficient solution. Our voting system will reduce the overall cost of the voting process. Our voting system will produce immediate and unbiased poll results. Our voting system will assist us in keeping track of the voters.
Furthermore, our system saves time.

Research Objective:

The primary goal of this research is to take a step forward in the direction of an online voting platform by providing all necessary security levels. The goal of this research is to make voting easier, less time consuming, and more secure.

Scope of Study:

As colleges hold elections for positions such as president, vice president, and other management positions for many college societies such as CSI, Trinity, and other management positions for students, an online voting system can be used on any cases such as these efficiently, and it can be customised according to client needs on any type of elections

II. LITERATURE SURVEY.

Background:

This is a system that allows users to vote in an election. To submit their vote, all voters must login and click on cast vote for their preferred candidates. LAN is used for research, development, and testing. On the other hand, online voting software has been studied for many years, with cases of incorrect implementation reported in recent years. These issues must

be addressed so that the public can vote in a safe and appropriate environment. Online voting is a voting software that allows any user to exercise his or her voting rights from any location. The online voting application includes: a) user information; and b) user names with ID and password. c) users cast ballots in a database. d) total number of votes cast e) a results panel f) a chatbot to assist users g) a unique user id assigned by my administration Among the various operational tasks proposed in the system are: user information in a database. Verification of the user's information. removing incorrect information Each piece of information is forwarded to administration.

Product Perspective:

The product is an election management tool with a simple user interface and a Chatbot. PHP was used to create this system. Although the product is self-contained. It necessitates the use of a XAMPP server.

Product Functions:

Our system is supported by a server backend that handles user authentication and data storage. The user interface on the server's end allows the user to create the election on their behalf. Users must login with their id and password before they can access the election module, where they can vote with ease and comfort, and their responses will be saved before the result is displayed.

III.METHODOLOGY

Online voting is a portal through which a voter can cast his or her vote after registering on the online voting platform.All user information is entered into a database so that the administrator can verify the user. The database contains tables for users, candidates, results, and administrators. Each voter must enter his or her name, gender, state, and email address.This is the website's first page, also known as the welcome page. It includes all of the page options, such as Home, Polling Dates, Register, Login, About Us, Contact Us, and FAQs.

Home:

It is the first page of our portal, and it contains all of the portal's feature options. It contains links to other pages such as the registration page, login page, admin section, about us section, and chatbot (support) section. This page also provides a brief description of our system's operation, giving the user an overview of the entire system.

Registration:

This is the registration page, where voters can register. Users must fill out the registration form with the information requested by the administrator. All information entered into the portal is saved in the database. The administrator has the authority to accept eligible users; otherwise, he has the authority to reject their registration by providing a reason for rejection.

User Login:

After registering for the portal, their information is saved in the database and sent to the administrator. The user can access the portal by entering his unique USERNAME and PASSWORD generated during registration. There is an option for FORGOT PASSWORD; if the user forgets his password, he can use the forgot password option.

Admin Panel:

From here, the administrator can log in to his account and manage the entire voting process, including adding new elections, generating user IDs, verifying users, generating results, and much more. He has the authority to generate user IDs by verifying the users.

Election:

This is a module that provides a list of all. This module is available during the ongoing election. Only those users who have been verified are eligible by administrator This module allows users to cast their votes vote by selecting a specific candidate election.

Result:

This module contains the outcomes of all the tests completed elections; the user has the option toExamine the election results.[9] All of the outcomes are being generated by admin following the election was completed successfully.

Chatbot:

This is a unique module of our online service. This is a specially designed voting portaland incorporated a chatbot into our system works as a helper or provides assistance touser.[10] If a user encounter any in our system while registering himself or casting his vote. He can then ask our chatbot for help after voting. Our chatbot will assist him in resolving his problem the most effective solution to that problem.

IV.CONCLUSION

The online voting system will manage the voter's information, allowing him to login and exercise his voting rights. The system will include all voting system features. It processes the tool for maintaining voter votes for each party and counts the total number of voters for each party. The ELECTION COMMISSION OF INDIA maintains a DATABASE in which all

the names of voters with complete information are stored. An online voting system is a technique in which people who have citizenship of a country and whose age is above 18 years of any sex can vote online without going to any polling booth. The percentage of votes cast increases as a result of the online voting system.It is simple to debug. [11]

References

1. *Himanshu Agarwal and G.N. Pandey "Online Voting System for India Based on AADHAAR ID" 2013 EleventhInternational Conference on ICT and KnowledgeEngin*
2. *Smita B. Khaimar, P. Sanyasi Naidu, Reena Kharat "Secure Authentication for Online Voting System".*
3. *Shivendra Katiyar, Kullai Reddy Meka, Ferdous A. Barbhuiya, Sukumar Nandi "Online Voting System Powered by Biometric Security" 2011 Second International Conference on Emerging Applications of Information Technolog.*
4. *Raja Lakshmi, Meenakshi Nivya and K S Selvanayaki,Dz Student online voting systemdz International journal of trend in research and development Volume 2(5),[ISSN2394-9333], Page no.[438-440]*
5. *Neha Gandhi, DzStudy on security of online voting system using biometric and stenographydz International journal of computer science and communication, Volume 5,[ISSN-0973-7391] Page No. [29-32]*
6. *Rahul V. Awathankar, Monika A Wadhai, Suraj Sawant, DzI- Voting: A System For Every Citizen of Indiadz International Journal of Control Theory and Application, Volume 10, [ISSN-0974-5572] Page no. [125-130]*
7. *Sweta A. Tambe, P. S. Topannavar, DzThe Stenography And Biomatric Online Voting Systemdz International*
8. *Swaminathan B, and Dinesh J C D, "Highly secure online voting system with multi security using biometric and steganography," in International Journal of Advanced Scientific Research and Technology vol2(2),195-203.*
9. *Drew Springall, Travis Finkenauer, Zakir Durumeric, Jason Kitcat, Harri Hursti Margaret MacAlpine J. Alex Halderman, November 3–7, 2014, "Security Analysis of the Estonian Internet Voting System," in CCS"14, Scottsdale, Arizona, USA. ACM 978-1-4503-2957-6/14/11.*
10. *M A Imran, M S U Miah, H Rahman, May 2015, "Face Recognition using Eigenfaces," in International Journal of Computer Applications (0975 – 8887) Volume 118 – No. 5.*
11. *Anand A, and Divya P, "An efficient online voting system," in International Journal of Modern Engineering Research, vol 2(4), 2631–2634. Electronic copy available at: https://ssrn.com/abstract=358907*