Student Online Voting System

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Abstract: On-line Voting System is a web based system that facilitates the running of elections and surveys online. Users are individuals who interact with the system. All user interaction is performed remotely through the user's web browser. Users are provided with a online registration form before voting user should fill online form and submit details these details are compared with details in database and if they match then user is provided with username and password using this information user can login and vote. If conditions are not correct entry will be canceled. It contains two level of user's administrator level and voter level where each level has different functionality.

Keywords: *Online Voting, HTML, JavaScript, MYSQL, WAMPP, PHP.*

I. INTRODUCTION

The aim of electronic voting schemes is to provide a set of protocols that allow voters to cast ballots while a group of authorities collect votes and output the final tally. Problems with voting machines extend from the quality of the locks, to the need for a printed audit trail, to the hacking of the communication links. Although voting makes many people to believe that voting is the perfect application for technology, but in reality applying it is hard. For a voting system to be ideal, four attributes must be satisfied: anonymity, scalability, speed, and accuracy. On-line Voting System is a web based system that facilitates the running of elections and surveys online. This system has been developed to simplify the process of organizing elections and make it convenient for voters to vote remotely from their home computers while taking into consideration security, anonymity and providing auditioning capabilities.

A. *Problem Background*

In the recent years there are many literature on online voting has been developed. While online voting has been an active area of research in the recent years, efforts to develop real-world solutions have just begun posing several new challenges.

The use of insecure Internet, well documented cases of incorrect implementations and the resulting security Breaches have been reported recently. These challenges and concerns have to be resolved in order to create public trust in online voting.

B. *Problem Statement*

Online Voting System provides the online registration form for the users before voting and makes the users to cast their vote online. The system is to be developed with high security and user friendly.

C. *Research Objective*

The main objective of this study is an important step towards streamlining this effort is to develop a framework and identify necessary properties that a secure and trusted online voting system must satisfy to reduce discovery redundancy. Such a framework will allow us to evaluate as well as compare the merits of existing and future candidate online voting schemes. System should support multi-user environment. System should be fully automated. System should provide concrete security features like creating users and assigning privileges to users of the system. System should be capable to keep track of all the detailed descriptions of the client and the whole details of services offered by the client organization.

Various outputs (reports) should be available online any time. System should be able to handle extremely large volumes of data (i.e. large database support).

D. *Scope of Study*

The scope of the project is that it will use the ID and password created by user to register him/her in the voting site, through this all the details of voter are saved in database.

Advanced technology: It is an advanced technology used now a day. It increases the internet knowledge of the users which is very necessary for current generation.

II. LITERATURE REVIEW

A. Background

This software is being developed for use by everyone with a simple and self explanatory GUI. This is software that can be used by people to vote in an election. All the user must do is login and click on his favourable candidates to register his vote. The development and testing is done on Ethernet. While online voting system has been an active area of research in recent years, the use of insecure Internet, well documented cases of incorrect implementations reported recently. These challenges are to be resolved so that public should cast their vote in secure and convenient way. Proposed online voting system is a voting system by which any Voter can use his/her voting rights from anywhere in country. Online voting system contains:

a)   Voter's information in database.
b)   Voter's Names with ID and password.
c)   Voter's vote in a database.
d)   Calculation of total number of votes.

Various operational works proposed in the system are: Recording information of the Voter in database. Checking of information filled by voter. Discard the false information. Each information is sent to election commission.

B. Existing System

Remote voting is exercise into two different ways. Proxy voting: The person who is unable to be physically present authorized other person on behalf of him Close envelope ballet: In this the person cast is voter, enclosed in an envelope and post to register post. The problem with this system is that not always the ballets are riched in time. The proxy person may exercise other ballet then the one synthesised the person.

C. Proposed System

In propose system remote and user's can exercise. In the proposed system we can get the result without manually counting. The computerized counting is simple.

D. Product Functions

The product has a server back-end which takes care of authenticating the users and maintaining necessary data structures.

E. Overview of Data Requirements

The internal memory requirement will be constant or linearly dependent on the number of users depending on the provision of changing the vote at a later time. The external data about the candidates (with photographs) and the posts or the poll questions and the answers will be given as input only at the server end.

F. Constraints

Login and password is used for identification of Voter.

III. SALIENT FEATURE

Online voting is software system through which a voter can give votes through registering themselves on the voting website. all the information in sites which has been entered are stored in database for each page in the website have its own database table. It deals with design, build and test a online voting system that facilitates user (the person who is eligible for voting), candidate (Candidate are the users who are going to stand in elections for their respective party), Election Commission Officer (Election Commission Officer who will verify whether registered user and candidates are authentic or not) to participate in online voting. This online voting system is highly secured, and it's design is very simple, ease of use and also reliable.

A. Home

It is the welcome page of the website, having all the feature options of the website.

B. Registration

This is the register page, where the voter,

candidate and can register themselves. They all have to enter basic information best of their known .All the information registered in the website are saved in the respective database not require geographical proximity of the voters. For example, soldiers abroad can participate in elections by voting online.

C. Login

User Login: After registering into the website, this information is saved to the database and sent to the election commission. The user can Login to the website with his unique USERNAME and PASSWORD generated through registration. There is a option for FORGOT PASSWORD, in case user forget his password then he/she can go with option of forgot password.

Candidate Login: After registration candidate can see his/her profile and can edit his/her profile. The candidate has facilitated with all the latest news update regarding election.
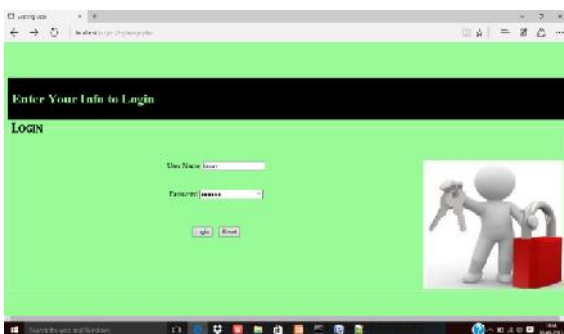
CONCLUSIONS

Our proposal enables a voter to cast his/her vote through internet without going to voting booth and additionally registering himself/herself for voting in advance, proxy vote or double voting is not possible, fast to access, highly secure, easy to maintain all information of voting, highly efficient and flexible.

The using of online voting has the capability to reduce or remove unwanted human errors. In addition to its reliability, online voting can handle multiple modalities, and provide better scalability for large elections.

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