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Online Voting System

Komal More, Vrushali Dinkar, Ashwini Bhala, Prof. Harshada Sonkamble
Department of Computer Science, V.O.G.C.E, Mumbai University, Mohili, Maharashtra, India

ABSTRACT

This paper deals with design build and test an 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),Admin (Admin who will verify whether registered user and candidates are authentic or not) to participate in online voting This online voting system is highly secured because for voting we are going to use UID number ,PAN card number and also scan fingerprint .Encryption and decryption is used and it's design is very simple, ease of use and also reliable. The proposed software is developed and tested to work on Ethernet and allows online voting. It also creates and manages voting and an election detail as all the users must login by user name and password and click on his favorable candidates to register vote. This will increase the voting percentage in India. By applying high security it will reduce false votes. Admin will notify each voter about upcoming election via SMS or Mail .Also BI tool is use for interactive login page

Keywords : CSS, HTML, MYSQL,ASP.NET

I. INTRODUCTION

We are presenting a new Electronic Voting System with Fingerprint scanning that will over-come the drawbacks of the current voting methods that are used in India currently, the voting system in India is in efficient and vulnerable to outer threats, the only thing that the security checks is a voter ID card, which these days are faked by many. It is slow and counting the votes manually can take a long time. In some rural areas, where there is not much security available, polling booths are captured and often most ballots are destroyed. So, the development of such a system which is online will cut out these possibilities and many votes can be saved through this system, even if such incidents occur Voting schemes have evolved from counting hands in early days to systems that include paper punch card mechanical lever and optical scan electronic voting systems provide some characteristic different from the traditional voting technique and also it provides improved features of voting system over traditional voting system such as accuracy, convenience, flexibility, privacy, verifiability and mobility But it suffers from various drawbacks such as Time consuming , Consumes large volume of pare work ,No direct role for the higher officials ,Damage of machines due to lack of attention, Mass update doesn't allows users to update and edit many item simultaneously. These drawbacks are overcome by Online Voting System Online Voting System is a voting system by which any Voter can use his/her voting rights from anywhere in the country. We provide detailed description of the functional and performance characteristics of online voting system. Voter can cast their votes from any where in the country without visiting to voting booths in highly secured way, that makes voting a fearless of violence and that increases the percentage of voting.

II. 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 multiuser 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).

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 and it will act as the main security to the votes system. 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.

Internet:

It is an online facility and hence very useful for the users. Voters can vote from anywhere at any time in India.

E-Mails:

Election Commission can send the error report to a particular user if he/she entered false information.

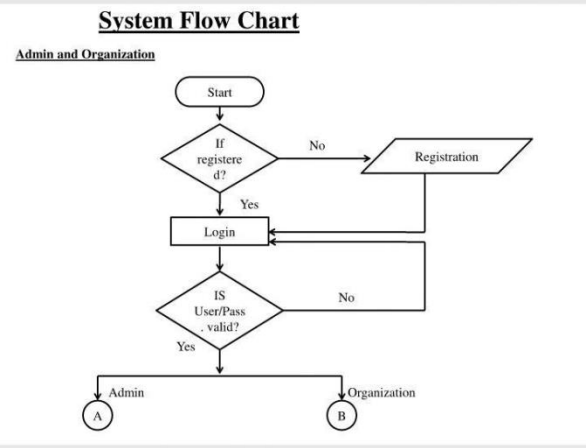
E-SMS:

People who have not internet connection they cannot check the emails or not have email they can be informed by SMS on their mobile. Today many websites provide free SMS to the mobile. Election Commission can use these to send any information.

Existing System

1. Paper based voting system originated as a system where votes are cast and counted by hand.
2. With a advent of electronic tabulation came systems where paper cards or sheets could be marked by hand counted electronically.
3. This system included punched card voting, mark sense and later digital pen voting systems.

Proposed System



1. Easy to manage large amount of users and data store in electronic for long time.
2. Register vote from any where.
3. The project is mainly aimed at providing a most secured and user friendly online voting system.
4. No paper work.
5. Display voting result in graphical fashion and instantly display result for the administrator to analyze.
6. Prevent voters from voting more than once for their choose candidates.

III. SALIENT FEATURE

On-line polling 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. Each voter has to enter his all basic information like name ,sex,, religion ,nationality, criminal record etc. This is the first page of the website known as the welcome page. It has all the page options like Home, Polling Dates, Register, Login, about us, Contact us, FAQs.

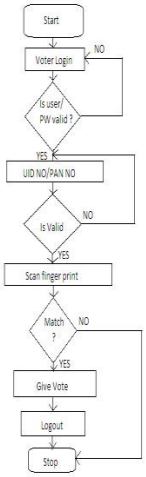
LOGIN

Admin:

It is one of the most important model which keeps track on all the tree different modules i.e. Voter, Nomination and Poll

Voter:

The details entered by the voter in the voting module will be accepted/rejected in this module (admin). Then status regarding his/her voter approval/disapproval will mailed and Message to Him/Her.



Poll:

When eligible voter click on poll module ,a login screen will appear. In this the voter has to enter his/her username and password. After validating that voter will able to vote toparticular candidate.

User Login:

After registering into the website this information is saved to the database and sent to the .Admin. 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.Election commission officer login: After login election commission officer will verify whether user and candidate is authentic or not.

IV. FUTURE SCOPE

This system can be implemented in a few years, with recent development in technology, a fingerprint scanner is neither too expensive nor too complicated to use on daily basis. The internet connectivity has improved drastically and it is easy to create and maintain such an interface. Unique Identification Numbers (adhar cards) have already been introduced in India that contains an individual's fingerprints and iris scan. Soon every Indian citizen can have a similar identity card and all the government will have all the necessary information required to bring such a system in play.

V. CONCLUSION

Our proposal enables a voter to cast his/her vote through internet without going to voting booth and additionally registering him self/her self 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. Hence by this voting percentage will increase drastically. 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 Online voting is

excellent mechanism that does not require geographical proximity of the voters. For example soldiers abroad can participate in elections by voting online.

VI. REFERENCES

[1]. Alexander. Stakeholders: Who is your system

[2]. Almyta Systems, Point of Sale Systems.

[3]. http://systems. almyta.com/Point__ ofSale,Software.asp. Accessed on 20th October 2008. [3]S. W. Ambler Process Patterns: Building Large Scale Systems Using Object Techno, Cambridge University Press, 1998.

[4]. M. Andrews and J. A. Whittaker, How to Break Web Software: Functional and Security Testing of Web Applications and Web Servers. Addison ,Wesley, 2006.

[5]. Java-2 Complete Reference -Patrick Haughton