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ONLINE VOTING SYSTEM

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ABSTRACT

An Online Voting System for election is accessible for voter (person which is eligible for voting), candidate (candidate are the users who are going to stand in elections for their respective party), Administrator (Election commissioner who will verify whether registered voter and candidates are authenticate or not) to participate in online voting. This proposed system having a security by using one time password and it is confirmed before the vote is accepted in the main election database. The additional feature of this system is that the voter can vote from outside of his/her allotted ward or from her/his preferred location. In the proposed system vote can be calculated automatically, thus saving huge amount of time. The designing of system is very easy and system is reliable to use. It also manage voting and election detail as all the voter must login by voter ID and password and vote to the favourable candidate to register vote. This will increase voting percentage of election.

Keywords: Online Voting System, AADHAR-ID, Online election, one time password.

I. INTRODUCTION

As our generation is moving towards digital world there is vast development in technologies, all the information Paper based voting system created as a system where votes are cast and calculated by hand, using paper ballots. These system are included punch card voting, marks sense and later digital pen voting system.

Most recently, these system can include an Electronic Ballot Marker (EBM), that allow voters to make their selections using an electronic input device.

Online voting system is a voting system by which voter can be used his/her voting rights from anywhere in India. Online voting systems consist of:

- Voter's information in database.
- Voter's Names with ID.
- Voter's vote in a database.
- Calculation of total number of vote

II. SYSTEM ARCHITECTURE

One Time Password

A one-time password (OTP) is valid for only one login transaction. One Time Passwords helps to overbear the problem of number of shortcomings that are related with traditional passwords which were static. The problem caused by static OTPs was that, they are fenceless to various attacks. The even number PIN of OTP will be generated at server side and through SMS on mobile, it will receive to the voter's email id or mobile number respectively. Then voter has to use following technique for authentication.

Description

Each voter obtains one time password at login time to their mobile number by clicking on 'Get password' button and submit the voter-ID and password will be send to pre-registered mobile number. Voter can be vote to their selected

party. Voter receives the message of confirmation on pre-registered mobile number. Result will counted automatically and display by administrator.

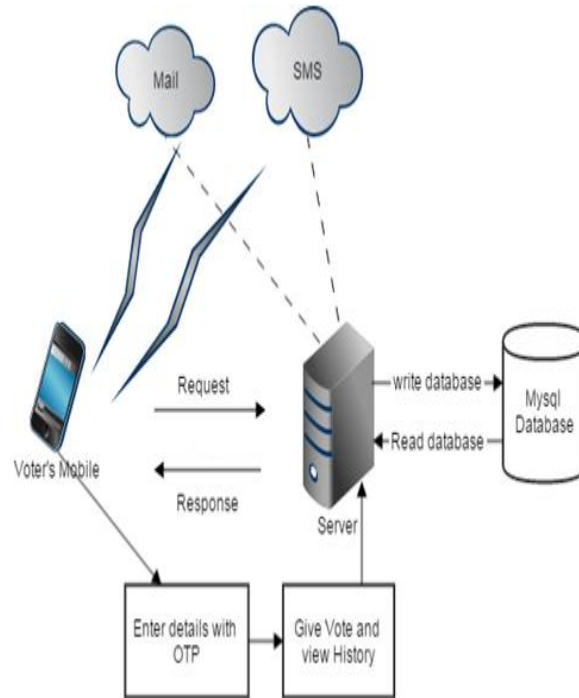


fig online voting system

III. OTHER SECTIONS

Advantage

1. Easy to operate:

The system should be easy to operate and it can be developed within a short period of time.

2. Immediate recover of information:

The main function of proposed system is to provide for a fast and efficient recover of information.

3. Immediate storage of information:

In manual system there are many problems to store the largest amount of information.

4. Reliability:

The reason for the increased reliability of the system is that now there would be proper storage of information.

5. Saves time and money:

In this system the voter can vote from outside the country of his/her allotted ward or from his/her preferred location.

IV. FUTURE SCOPE

The online voting system is the unlimited area to improve and research on. This is the reason that none of the countries have actually fully adopted this system on the behalf of the paper base system.

Our project used the OTP for the purpose of secure voting. In future more complex OTP techniques or biometric techniques can be used for more secure online voting using various level of Authentication and Verification.

Application: Assembly Election.

V. RESULT & DISCUSSION

The proposed Online voting system is consist of different modules. Firstly user will open home page and login as a voter by using login-ID and password. Each voter obtains one time password at login time to their mobile number by clicking on 'Get password' button and submit the voter-ID and password will be send to pre-registered mobile number. Voter can be vote to their selected party. Voter receives the message of confirmation on pre-registered mobile number. Result will counted automatically and display by administrator

VI. CONCLUSION

This online voting system will manage the voter's information by which voter can login as user ID and password and use his voting rights. The system will collect all characteristics of voting system. It provide the tools for maintaining voter's vote to every party and it calculate total number of votes of every party. There is a DATABASE which is maintain by the ADMINISTRATOR in which all the names of voter with complete information is stored.

In this system voter who is above 18 year's register his or her information on the database and when he or she want to vote he or she has to login by his ID and password and at that time voter can vote to any party only single time. Voting details store in database and the result is displayed by calculation. By online voting system percentage of voting is increased.

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