



SIMPLY VOTING SYSTEM USING AADHAR CARD

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Abstract:

This online voting system is highly secured, and it's design is very simple, ease of use and also reliable. The current voting mechanism has many security problems. India is one of the world's largest democracies with the community of 1 billion. Today, it is mandatory for every citizen to have aadhar card. Online voting System allows the voters to authenticate using aadhaar number which is then matched with an already saved within a database that is retrieved from aadhaar card database of the government. 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 and reduces the cost of voting process.

Introduction:

Aadhaar is the world's largest biometric ID system, representing an identity of Indian people. An online voting system which is used nowadays 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. The proposed system is the online voting system with authentication using aadhaar card. It determines the particular voter by his/her aadhaar no whether he/she is a valid voter or not. This is e-voting system by which any voter can use his/her voting rights from anywhere in the country and system is highly secured.

Literature Survey:

The online- voting system has the possibility of secure, easy and safe way to capture and count the votes in the election. The proposed system provides the specification and requirements for Online-Voting using an Android platform. The

Online-voting means the voting process in election by using mobile phone from anyplace and anytime within time specified by the election commission. The android platform is used to develop an Online-voting application. Through a general diagram the introduction of the system is presented.

Existing System

In Existing system voters has to visit to Booths and maintain the line to vote a candidate so there is wastage of time. Election running manually there is no proper security. In previous voting system conducted by the government is paper based system. Voters simply ticks the favorable candidate on the ballot sheet and handover the sheet to electoral official. Illegal voting which is faced in every electoral procedure. One candidate casts the vote of all members in the electoral list illegally. This results in loss of votes for other candidates participating in election.

Proposed System

The proposed system, voting system is managed in a simpler way as all the users must login by aadhaar card number and One Time password. It determines the particular voter by his/her aadhaar no whether he/she is a valid voter or not, which is then matched with an already saved within a database that is retrieved from aadhaar card database of the government. If he/she is valid voter can click on his/her favorable candidates to cast the vote.

Goal and Objectives:

Goal

- Aadhar card number is used to identifying the voter.
- Aadhar card number is used to avoid the fake voting - Using the aadhar number access the voter details easily.

- Aadhar card number and one time password provide the high security to the voting system.

Objectives

- Voter can use his/her voting rights from anywhere in the country.
- Reduce the lot paper works.
- Provide the more security voter can cast their votes from anyplace in country.
- Fast and easy way of conducting Election.

Conclusion:

Using of online voting has the capability to reduce or remove unwanted human errors. By using the aadhar card we implemented the system which increases the voter's privacy. Aadhaar numbers will eventually serve as the basis for a database with which disadvantaged Indian residents can access services that have been denied to them due to lack of identification documents. So only the eligible candidates can cast their votes in the election. Online voting system reduces the man power and enhance the security.

Future Enhancement:

A lot of work could be done to enhance the security features of the present system. In future face recognition can also included along with the aadhar number to provide the more security.

Reference:

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