

1.1 ABSTRACT:

The Project is developed for the threat free and user oriented Online Voting System. The Online Voting System is made for the people of the country residing around the world and wants to vote for their representative. The election can be conducted in two ways the paper ballot election and the automated ballot election and the automated ballot elections.

The automated ballot elections are called the electronic voting. The online voting system is highly developed and the online polling system can be replaced by accurately and directly voting online and immediate results. The online voting system is done by the internet so it can be called the Internet Voting.

We are developing an on-line voting system by taking advantage of the centralized database . The main concept of this project is to build an android application, which should be able to allow people to cast their vote by online.

Time saving, working load reduced, information available at time and it provide security for the data. During the election, the election commission of India has introduced a new method of polling by online voting system.

This is a simple , safe and secure method that takes minimum of time. We proceed our project with the assumption that each voter has a voter ID storing his/her unique identity including data, we are to maintain a centralized database of enrolled voters, the primary key of which is a unique national ID stored on the database. The database administrator is the control the app.

Right to vote is the important and basic right of every Indian. Election to elect candidates takes place in every 5 years. Voters have to go to polling booth to cast their votes. Our project is an android application for online voting system. By using this application they can cast their votes securely and from their home itself.

So we want to develop a system where people can poll their vote without any fear. So this proposed system is a android application where a common man can poll his/her vote from their home or anywhere else.

1.2 Introduction of the project:

Online voting system for one constituency:

Online voting system is a voting technique. In this system people who have citizenship of India and whose age is above 18 years and any sex can give his/her vote online without going to any physical polling station. In our project, voting is for only one constituency, a voter can use his/her voting right without any difficulty. He/she has to fill a registration form to register himself/ herself. All the entries are checked by DATABASE which has already all information about the voter. If all the entries are correct then a USER ID and password is given to the voter, by using ID and password he/she can use his/her vote. If conditions are wrong then that entry will be discarded. The Administrator handles the registered candidates list and voters list. Administrator has the whole authority over the system; they maintain records and details of all voters and candidates. Users, can on the other hand, can view the list of voters and candidates, and see results after the election is completed.

1.3 Objective:

The specific objectives of this project include:

- 1) Reviewing the existing/current voting process or approach.
- 2) Coming up with an automated voting system for one constituency.
- 3) Implementing an automated/online voting system for one constituency.
- 4) Validating the system to ensure that only eligible voters are allowed to vote.

1.4 Existing System:

The existing system is manual and the paper based voting which is voted on paper and counted manually. The electronic tabulation brings new kind of voting system in which the electronic cards with all candidates symbol is marked manually and this can be counted electronically. The electronic voting systems are now different types known as the punch cards, mark sense and the digital pen voting systems.

The Electronic Ballot Marker ,makes the voter more easy to vote by providing the selections on the display to vote present on the electronic machine.

The direct recording electronic voting machine is one which providers the display that can be start when the voter touches the display consists of the mechanical and electro optical buttons, software that accepts the vote and possesses a image or symbol on the display.

The electronic ballot are connected with the central ballot system which directly accept and get the updated record of all ballots. The central ballot system applies the Precinct count method which calculates the all votes from the ballots present at polling centers. The results are immediate.

1.5 Proposed System:

- Registration of the voters and registered candidates lists are done by the Election Commission of India.
- The information about the voters and candidates stored in the database.
- User has to fill the online registration form and submit details.
- These details are compared with details in database.
- If they match then voter is provided with unique ID and password.
- Using this ID and password user can login and vote.
- Database shows the information of every user.
- After voting user has to logout.
- After voting, user gets verification mail/OTP for confirmation.

1.6 Input of the project:

- ✓ Voter information
- ✓ Candidate information
- ✓ Election details
- ✓ Vote details

1.7 Output of the project:

- ✓ Voter registration
- ✓ Candidate registration
- ✓ Viewing Candidate details
- ✓ Viewing of Election details
- ✓ Viewing of Voters profile
- ✓ Password updating for more security
- ✓ Displaying Result after voting process.

1.8 Modules Includes:

1. Admin
2. Voter
3. Candidate
4. Election
5. Vote
6. Result