

SDM Assignment No 1

Team Members – Group No 20

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ONLINE VOTING SYSTEM

“ONLINE VOTING SYSTEM” is an online voting technique. In this system people who have citizenship of India and whose age is above 18 years of age and any sex can give his\her vote online without going to any physical polling station. There is a database which is maintained in which all the names of voters with complete information is stored.

In “ONLINE VOTING SYSTEM” a voter can use his\her voting right online without any difficulty. He\She has to be registered first for him/her to vote. Registration is mainly done by the **system administrator** for security reasons.

The system Administrator registers the voters on a special site of the system visited by him only by simply filling a registration form to register voter. Citizens seeking registration are expected to contact the system administrator to submit their details. After the validity of them being citizens of India has been confirmed by the system administrator by comparing their details submitted with those in existing databases such as those as the Registrar of Persons, the citizen is then registered as a voter.

After registration, the voter is assigned a secret Voter ID with which he/she can use to log into the system and enjoy services provided by the system such as voting. If invalid/wrong details are submitted, then the citizen will not be registered to vote.

Flexible ballot options are to be provided which can enable the users to easily understand and use the software. The developed software should be easy to administer and handle by the developer or the admin. It should provide better and efficient developing modules.

Major Functionalities

Flexible ballot options are to be provided which can enable the users to easily understand and use the software. The developed software should be easy to administer and handle by the developer or the admin. It should provide better and efficient developing modules.

The software should be recognised by the government and be officially handled under the government access.

The votes should be made authenticated by different ways in order to assure no piracy and correct and righteous candidate should be elected.

As this software is being displayed online it is mandatory to make all the nominations online and display all the candidates profile so that the viewers can visit them.

The votes should be reverified by the voter through OTP on his/her registered mobile number.

The website has to be made available in different languages as different regions use different regional languages. The declaration of the results must be certified and completely authenticated by the admin as well as the government employees.

- Flexible ballot options
- Government authorised actions
- Secure website/application with https:/ protocol
- Compatible with different devices and platforms
- 99.9% Privacy and Integrity
- Transparency to the voters
- 2 step verification of vote by voters
- Automated result generation
- Transliteration
- Customizable

PROBLEM STATEMENT

Online election system is a software that is being designed to provide the citizens a safe and user friendly GUI through which selecting candidate and voting for the righteous candidate will be easy and enough as well as appropriate and verified results will be obtained.

STAKEHOLDERS & ACTORS

➤ Admin

➤ Voters

➤ Candidates

This software can be used by the citizens to vote for an election. All the users must login to register their vote for their respective candidate. The above stated challenges are to be resolved so that the public should cast their vote in **secure and convenient way** .

The admin receives all the details of the Voters & Candidates from the ELECTION COMMISSION OF INDIA in order to provide a platform for VOTING to the voters.

The admin will have proper control over the software, editing and storing the appropriate database of voters and display the auto-generated result.

The voters will have their registered voting information and will be allowed login to vote or view the profile page of required candidate.

OTP Confirmation, as soon as the provided OTP will be entered from the RTN(Registered Mobile Number) then the vote will be registered and confirmed and will become uneditable.

The result of the conducted elections will be generated automatically after completion of the all the processes and will be displayed soon with a notification arriving on the RTNs' of the voters.