

SOFTWARE ENGINEERING

ONLINE VOTING SYSTEM



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**ABSTRACT**

**M**ost countries, Kenya not an exception have problems when it comes to voting. Some of the problems involved include ridging votes during election, insecure or inaccessible polling stations, inadequate polling materials and also inexperienced personnel.

This online voting/polling system seeks to address the above issues. It should be noted that with this system in place, the users, citizens in this case shall be given ample time during the voting period. They shall also be trained on how to vote online before the election time.

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 is not registered to vote.

**Requirements:**

**1)** Registration of the voter is done by ELECTION COMMISION OF INDIA.

**2)** ELECTION COMMISION OF INDIA can change the information any time if required.

**3)** Registration of the Voter depends upon the information filled by the user.

**4)** Voter is given a unique ID and PASSWORD.

**5)** In the DATABASE information of every voter is stored.

**6)** Database shows the information of every user.

**Disadvantages of Existing System**

1. Paper-based voting
2. Takes so much time
3. Final result declaration takes time as it is difficult to count paper based votes
4. Can cause error while counting

**Advantages Over Existing System**

1. Paperless voting system
2. Takes less time
3. Final result declaration through single click
4. No errors