An Assurable E-Voting System That Ensures Voter Confidentiality and Voting Accuracy

Abstract

The word “vote” means to choose from a list, to elect or to determine. The main goal of voting (in a scenario involving the citizens of a given country) is to come up with leaders of the people's choice.

In our conventional voting system we 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.

Due to such problems the percentage of voting in India is getting decrease year by year.

This E-voting system seeks to address the above issues. They will able to vote from their places using internet. In this system, assuming that every person has smart phone we will design a smartphone compatible application. In this application we will authenticate the user by its
aadhar card number along with biometrics such as face recognition or finger print recognition. After authenticating user will able to see list of candidates. Then the vote of user will be stored on database server. This transmission of data from end user application to database server will be encrypted by using cryptography. For this purpose AES algorithm will be used.

References


Index Terms

Computer Science Information Sciences

Keywords

E-Voting, Election Commission Server, Election Commission (EC), Database, E-Aadhar, Cued Click Points.