Abstract

Due to advancement in information and communication technology (ICT), E-voting can easily be implemented in electoral process by using available services from locations and at time that are convenient to public to cast their vote with no restriction on geographical location. Security is one of the most important parameter in E-voting system. This research work is an attempt to make the existing E-voting system intelligent enough to ensure security aspect of electoral process specially regarding voter authentication, vote casting authenticity and mobility to avoid fake voting and to maximize the percentage of vote cast despite of corrupted (partial) input presented on EVM (Electronic Voting Machine) during vote casting.

References

Biometric Security based Intelligent E-Voting System

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Index Terms

Computer Science

Security

Keywords

EVM ICT AVM Fault Tolerance Authentication Security Fingerprint Biometric.