

# Online Voting System Based On QR Code

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**Abstract:** *Traditional voting systems require physical presence, rely on manual verification, and often involve long waiting times and slow counting processes, leading to potential errors and high operational costs. To address these limitations, this research proposes an Online Voting System that uses encrypted QR-code authentication. Each voter receives an exclusive QR code that verifies identity before ballot access, preventing impersonation and unauthorized voting. The system automates vote casting and counting while maintaining voter privacy and result integrity. This approach provides a secure, transparent, and efficient alternative suitable for modern elections.*

**Keywords:** Online Voting, QR Authentication, Secure Voting, E-Voting System, Encryption, Web-Based Voting

