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Next-Gen Secure Online Voting Through Blockchain Integration

Prof. Dhanashri Kane[1], Shruti Gadhade[2],Sandhya Dandalwad[3], Amit Jadhav[4]
Prof., Department of Computer Engineering[1]
Student, Department of Computer Engineering[2,3,4]
M.G.M. College of Engineering and Technology, Navi Mumbai, India

Abstract: *Traditional voting systems, including paper ballots and Electronic Voting Machines (EVMs), often suffer from issues related to transparency, security, and accessibility, leading to growing public concerns over electoral integrity. This paper presents a Next-Gen Voting System using Blockchain Integration to address these critical challenges. By leveraging blockchain's decentralized, immutable, and transparent architecture, the proposed system ensures that each vote is securely recorded, tamper-proof, and verifiable without compromising voter anonymity. End-to-end encryption protects vote transmission, while a user-friendly interface and real-time monitoring enhance both accessibility and trust. This approach aims to reduce fraud, boost voter confidence, and offer a scalable, cost-effective solution adaptable to elections at local, national, or international levels*

Keywords: Blockchain, Online Voting, EVM, Authentication, Electoral Fraud, Voter Dashboard, Real-Time Monitoring, Transparency, Tamper-proof, Smart Contracts

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