

Blockchain Based Voting System

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Abstract: *The thought of a voting framework built on Block-Chain Based innovation is a ground-breaking way to progress the security, straightforwardness, and judgment of race procedures. Conventional voting methods are frequently beset by problems including inefficiency, fraud, and tampering. With its immutable and decentralized ledger, blockchain technology presents a viable answer to these problems. Blockchain technology has almost infinite applications. Blockchain is a dispersed ledger technology that makes digital asset peer-to-peer decentralized network transactions easier. A block consists of every transaction that has occurred. Notable characteristics of blockchain incorporate unchanging nature, decentralization, security, straightforwardness, and namelessness. The architecture, operation, and possible influence on contemporary electoral systems are all covered in this research, which investigates the creation and application of a blockchain-based voting system. Through the utilization of blockchain's inherent benefits, this system seeks to offer an electoral platform that is more dependable and credible.*

Keywords: Blockchain, voting system, Ethereum