IJARSCT
ISSN (Online) 2581-9429
International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)
International Open-Access, Double-Blind, Peer-Reviewed, Refereed, Multidisciplinary Online Journal
Impact Factor: 7.301
Volume 3, Issue 2, November 2023

Secure Digital Voting System on Blockchain

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Abstract: *Every citizen's fundamental right, voting is a crucial part of democracy. Every nation benefits from blockchain-based elections since they allow for the conduct of elections online. It makes the election process safe, easy, and straightforward in contrast to the outdated (paper-based) and traditional (EVM) voting methods. The main goal of this project is to design and build a decentralised, blockchain- based voting and analysis system that might be used to set up election systems in countries where traditional, in-person voting with readily manipulable assurances is the norm. The goals of this system's design are to provide a safe voting process, save expenses, shorten wait times, eliminate inequalities brought on by different types of incorrect proxies, scale well, and operate independently of physical location. All in all, a reliable voting system will help the democratic system thrive. Voters may now cast their ballots from the convenience of their own homes thanks to our initiative, which will save them time and cut down on the number of invalid votes cast.*

Keywords: Blockchain, Ethereum, Decentralized, E-Voting, Phishing Website

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Volume 3, Issue 2, November 2023

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