



### Institutional Sign In

All



ADVANCED SEARCH

Conferences > 2023 Second International Con...

# Blockchain-based Voting System in a Democratic Environment

Publisher: IEEE

[Cite This](#)

PDF

<< Results | < Previous | Next >

Nitin Sai Varma Indukuri ; Sridhar Reddy Eguram ; Anil Nichena ; Suhas Ulvalapudi ; Ramesh Gajula [All Authors](#) ...

74  
Full  
Text Views



## Alerts

[Manage Content Alerts](#)  
[Add to Citation Alerts](#)

### Abstract

Document Sections

- I. INTRODUCTION
- II. LITERATURE SURVEY
- III. EXISTING SYSTEM
- IV. PROPOSED SYSTEM
- V. METHODOLOGY

[Show Full Outline](#) ▾

Authors

Figures

References

Keywords

Metrics

More Like This



Downl  
PDF

#### Abstract:

Voting is one of the fundamental concepts that help the people of a democratic country exercise their right to choose their leader. One way to securely conduct voting is ... [View more](#)

#### ▼ Metadata

##### Abstract:

Voting is one of the fundamental concepts that help the people of a democratic country exercise their right to choose their leader. One way to securely conduct voting is through electronic voting systems. It acts as a digital platform that eliminates not only the need of using paper for casting votes as well as the need to gather in person. By providing each voter with a unique ID, the platform helps maintain the integrity of a vote by preventing multiple votes by the same person. An electronic voting system also comes with some obvious advantages over a paper-based approach, them being increased efficiency and reduced errors. The electronic voting system not only improves accuracy but also provides enough flexibility for the voters by facilitating the process of voting. It does so by allowing the voters of a country to vote from anywhere at any time if they have an internet-connected device. Blockchain allows for a distributed and decentralized technology with very powerful cryptographic functionalities that provide promising methodology for our Voting System. Utilizing Blockchain technology can help us relieve some concerns with the present voting systems such as fraud, multiple votes, etc.

**Published in:** 2023 Second International Conference on Augmented Intelligence and Sustainable Systems (ICAISS)

**Date of Conference:** 23-25 August 2023

**DOI:** 10.1109/ICAISS58487.2023.10250609

**Date Added to IEEE Xplore:** 22 September 2023

**Publisher:** IEEE

► **ISBN Information:**

**Conference Location:** Trichy, India



 Contents

**I. INTRODUCTION**

India is a democratic, sovereign nation. As the trend of digitalization doesn't seem to be slowing down, every Indian citizen has become a part of a growing digital India with a unique digital ID called Aadhar Card [5]. Voting procedures have changed from early systems that relied only on human counting to ones that now use paper ballots, punch cards, and electronic voting machines.

Authors	▼
Figures	▼
References	▼
Keywords	▼
Metrics	▼

< Previous | Back to Results | Next >

**More Like This**

A Secured Framework Model to Design Electronic Voting System using BlockChain Methodology  
2023 International Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems (ICSES)  
Published: 2023

Unleashing Innovation: Experimental Evaluation of Blockchain Assisted Electronic Voting System Using Secured Authentication Scheme  
2024 International Conference on Intelligent Systems for Cybersecurity (ISCS)  
Published: 2024

Show More

**IEEE Personal Account**

CHANGE  
USERNAME/PASSWORD

**Purchase Details**

PAYMENT OPTIONS  
VIEW PURCHASED  
DOCUMENTS

**Profile Information**

COMMUNICATIONS  
PREFERENCES  
PROFESSION AND  
EDUCATION  
TECHNICAL INTERESTS

**Need Help?**

US & CANADA: +1 800  
678 4333  
WORLDWIDE: +1 732  
981 0060  
CONTACT & SUPPORT

**Follow**



[About IEEE Xplore](#) | [Contact Us](#) | [Help](#) | [Accessibility](#) | [Terms of Use](#) | [Nondiscrimination Policy](#) | [IEEE Ethics Reporting](#) | [Sitemap](#) | [IEEE Privacy Policy](#)

A not-for-profit organization, IEEE is the world's largest technical professional organization dedicated to advancing technology for the benefit of humanity.

© Copyright 2024 IEEE - All rights reserved, including rights for text and data mining and training of artificial intelligence and similar technologies.

**IEEE Account**

- » [Change Username/Password](#)
- » [Update Address](#)

**Purchase Details**

- » [Payment Options](#)
- » [Order History](#)
- » [View Purchased Documents](#)

**Profile Information**

- » [Communications Preferences](#)
- » [Profession and Education](#)
- » [Technical Interests](#)

**Need Help?**

- » **US & Canada:** +1 800 678 4333
- » **Worldwide:** +1 732 981 0060

» [Contact & Support](#)

[About IEEE Xplore](#) | [Contact Us](#) | [Help](#) | [Accessibility](#) | [Terms of Use](#) | [Nondiscrimination Policy](#) | [Sitemap](#) | [Privacy & Opting Out of Cookies](#)

A not-for-profit organization, IEEE is the world's largest technical professional organization dedicated to advancing technology for the benefit of humanity.

© Copyright 2024 IEEE - All rights reserved. Use of this web site signifies your agreement to the terms and conditions.