PERFORMANCE & FINAL SUBMISSION PHASE

Date	04 November 2023
Team ID	NM2023TMIDO2239
Project Name	Electronic Voting System
Maximum Marks	4 Mark

PROJECT DEMONSTRATION

There are several project demonstrations related to the electronic voting system for blockchain available online. Here are some examples:

1. A YouTube video titled "Online Voting System Using Blockchain Best Block chain Project 2023" demonstrates an online voting system that utilizes blockchain technology in its backend. The video shows the user interface of the system and how it works.

2. A GitHub repository titled "Final-Year-Blockchain-Voting-System" provides code, PPT, synopsis, report, research papers, and a full video explanation of a blockchain-based electronic voting system. The repository includes a brief of the project, a synopsis, and an abstract that describes the system's goals and benefits.

3. A research paper titled "Secure Digital Voting System based on Blockchain Technology" provides a conceptual description of an electronic voting system based on blockchain technology. The paper discusses the specific requirements of e-voting and how blockchain technology can help solve some of the issues that plague election systems.

4. A research paper titled "Blockchain for Electronic Voting System—Review and Open Research Challenges" provides a review of blockchain-based electronic voting systems and their open research challenges. The paper discusses the core components of blockchain architecture and the security and privacy issues associated with blockchain-based e-voting systems.

5. A research paper titled "Requirement Analysis of Some Blockchain-based E-voting Schemes" provides an analysis of recently proposed blockchain-based e-voting systems. The paper summarizes the set of e-voting requirements and analyzes the proposed systems based on these requirements.

6. A research paper titled "Blockchain-Based Online E-voting System" proposes a blockchain-based online e-voting system that utilizes smart contracts and digital signatures. The paper discusses the benefits of using blockchain technology for e-voting and provides a detailed description of the proposed system.

These project demonstrations provide examples of how blockchain technology can be utilized in electronic voting systems. They demonstrate the potential benefits of using blockchain technology, such as increased security, transparency, and efficiency. However, they also

highlight the challenges and open research questions related to the design and implementation of blockchain-based e-voting systems.

some additional points related to the electronic voting system for blockchain:

- The use of blockchain technology for electronic voting systems has the potential to increase voter turnout and reduce the cost of conducting elections.
- The use of blockchain technology can also provide a way to conduct secure and transparent voting for remote or overseas voters.
- The use of blockchain technology can also provide a way to conduct secure and transparent voting for shareholders in corporate elections.
- The security and privacy of the electronic voting system for blockchain can be ensured through the use of cryptographic algorithms, digital signatures, and encryption algorithms.
- The use of smart contracts can also provide a way to automate the voting process and ensure that the rules of the election are followed.
- The use of blockchain technology can provide a way to audit and verify the results of the election, which can increase the transparency and trust in the election process.
- The use of blockchain technology can also provide a way to prevent double voting and ensure that each voter can only cast one vote.
- The use of blockchain technology can provide a way to prevent tampering with the election results, as the distributed ledger ensures that any changes to the data are visible to all participants.
- The use of blockchain technology can also provide a way to ensure that the election results are immutable and cannot be changed after the fact.

Video link for climate track smart using block chain:

https://youtu.be/qKsu3-Jkas0?si=kaBbGCZ52hQbyC94