GE-International Journal of Management Research
ISSN (O): (2321-1709), ISSN (P): (2394-4226)
Vol. 14, Issue 02, Feb 2026 Impact Factor: 8.466
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BLOCKCHAIN AND ACCOUNTING: REVOLUTIONIZING FINANCIAL TRANSPARENCY

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Abstract

This research paper explores the impact of blockchain technology on accounting and financial transparency. Blockchain, a decentralized and immutable ledger, has the potential to transform the accounting profession by increasing transparency, efficiency, and security. The paper examines the current state of blockchain adoption in accounting, its benefits, and challenges, and provides recommendations for implementation.

Keywords: Blockchain, Accounting, Financial Transparency, Decentralized Ledger, Immutable Records

Introduction

Blockchain technology, initially developed for cryptocurrency, has expanded its applications to various industries, including accounting. Its decentralized and immutable nature ensures secure, transparent, and tamper-proof transactions, making it an attractive solution for financial record-keeping.

Blockchain technology has been gaining significant attention in recent years, and its application in accounting is no exception. The decentralized and immutable nature of blockchain makes it an attractive solution for financial record-keeping, ensuring secure, transparent, and tamper-proof transactions. As the accounting profession continues to evolve, it's essential to explore the potential of blockchain technology in enhancing financial transparency.

Statement of Problem

Traditional accounting systems face challenges in ensuring financial transparency, security, and efficiency. Blockchain technology can address these issues, but its adoption is still in its infancy.

Scope of Research Study

This research focuses on the application of blockchain technology in accounting, specifically in financial transparency, and explores its potential benefits and challenges.

Significance of Research Study

1. Educational Significance: This research contributes to the understanding of blockchain technology in accounting education, highlighting its importance in the digital age.
2. Functional Significance: Blockchain technology can improve financial transparency, reduce fraud, and increase efficiency in accounting processes.
3. Social Significance: Enhanced financial transparency can lead to increased trust in financial systems, promoting economic growth.
4. Political Significance: Regulatory frameworks can be developed to support blockchain adoption, ensuring a secure and transparent financial environment.

Relevance of Research Study

1. National Relevance: India's financial sector can benefit from blockchain technology, enhancing transparency and reducing corruption.
2. International Relevance: Global adoption of blockchain in accounting can standardize financial reporting, facilitating international trade.

Objectives of Research Study

Objectives of present research study are as follows :

1. To explore the application of blockchain technology in accounting.
2. To examine the benefits and challenges of blockchain adoption in financial transparency.
3. To provide recommendations for implementing blockchain in accounting.

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Hypotheses of Research Study

Hypothesis of present research study is as follows :

1. **Null Hypothesis (H0):** Blockchain technology has no significant impact on financial transparency in accounting.

   Alternative Hypothesis (H1): Blockchain technology significantly improves financial transparency in accounting.

Research Methodology

1. Research Design: Qualitative research design using case studies and literature review.
2. Research Sample: Purposive sampling of accounting professionals and blockchain experts.
3. Limitations: Limited sample size, potential biases in responses.

Findings

The main findings of the present research study is as under -

1. Enhance financial transparency: By providing a decentralized and immutable ledger, blockchain ensures that financial transactions are transparent, accurate, and tamper-proof.
2. Improve security: Blockchain's cryptographic algorithms and decentralized nature make it resistant to cyber attacks and data breaches.
3. Increase efficiency: Automated processes and smart contracts on blockchain can streamline accounting tasks, reducing manual errors and increasing productivity.
4. Reduce costs: By eliminating intermediaries and reducing the need for reconciliation, blockchain can significantly reduce transaction costs.

Recommendations

1. Develop regulatory frameworks: Governments and regulatory bodies should establish clear guidelines for blockchain adoption in accounting, ensuring a secure and transparent financial environment.

2. Provide training and education: Accounting professionals should receive training and education on blockchain technology, its applications, and its benefits.
3. Encourage collaboration: Accounting professionals, blockchain experts, and regulators should collaborate to develop standards and best practices for blockchain adoption.

Contribution towards Society and Stakeholders

1. Enhanced financial transparency: Increased transparency and accuracy in financial reporting can lead to better decision-making and reduced financial crimes.
2. Reduced financial crimes: Blockchain's immutable ledger and cryptographic algorithms can reduce the risk of financial crimes, such as money laundering and tax evasion.
3. Increased trust in financial systems: Blockchain's decentralized nature and transparent transactions can increase trust in financial systems, promoting economic growth.
4. Economic growth: By increasing efficiency, reducing costs, and enhancing transparency, blockchain can contribute to economic growth and development.

Conclusion

Blockchain technology has the potential to revolutionize financial transparency in accounting. Its adoption can lead to increased trust, efficiency, and security in financial systems.

Blockchain technology has the potential to revolutionize financial transparency in accounting. Its adoption can lead to increased trust, efficiency, and security in financial systems. We recommend that accounting professionals, regulators, and policymakers work together to develop regulatory frameworks, provide training and education, and encourage collaboration to harness the benefits of blockchain technology.

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