Application of Blockchain Technology in the Management of Legal Documents

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Abstract: Blockchain technology has emerged as a transformative solution for securely managing legal documents, offering unparalleled benefits such as transparency, immutability, and enhanced security. This paper provides a comprehensive exploration of the application of blockchain in the management of legal documents, aiming to revolutionize traditional document management practices. The paper commences with an in-depth overview of blockchain technology, elucidating its decentralized nature, cryptographic security, and consensus mechanisms. It delves into the critical importance of managing legal documents securely, citing examples of the sensitive information encapsulated within legal documents and the vulnerabilities of traditional document management systems.

A thorough literature review is conducted to analyse the utilization of blockchain in document management, juxtaposing blockchain-based solutions with conventional methods and underscoring the advantages of employing blockchain for legal document management. The review also scrutinizes the challenges and limitations of integrating blockchain in this context, such as scalability issues and regulatory complexities. The paper further presents illuminating case studies of real-world applications of blockchain in managing legal documents, offering insightful perspectives into the benefits and hurdles encountered in each scenario. Additionally, it outlines potential future developments in blockchain technology for legal document management, advocating for continued research to fully harness the transformative potential of blockchain in revolutionizing legal document management practices.

Keywords: blockchain

REFERENCES