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(57) Abstract :
METHOD AND SYSTEM FOR IDENTITY VERIFICATION THROUGH DECENTRALIZED CONSENSUS USING BIOMETRIC BLOCKCHAIN ABSTRACT
The present invention discloses a method and system for identity verification through decentralized consensus using a biometric blockchain. In response to the limitations and security concerns associated with traditional identity verification systems, the invention leverages the uniqueness of biometric data and the security features of blockchain technology. The method involves capturing biometric data, encrypting and securely storing it within a decentralized blockchain network, and establishing a consensus mechanism among network nodes to verify the associated identity. The decentralized nature of the system enhances security, privacy, and reliability by eliminating single points of failure and reducing the risk of unauthorized access. Advantages include improved user control, resistance to fraudulent activities, and scalability. The invention offers a comprehensive solution to contemporary identity verification challenges, addressing concerns related to privacy, security, and the reliability of traditional systems.

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