

Secure Organ Donation Using Blockchain Technology

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Abstract: *Organ donation is a life-saving process, but the current systems often face issues like delays, lack of transparency, and the risk of fraud. This paper proposes a new system called Secure Organ Chain, which utilizes blockchain technology to enhance the safety, speed, and trustworthiness of organ donation. Blockchain is a secure and transparent digital system that records data in a way that cannot be changed or altered. By using blockchain, this framework ensures that donor and recipient information is protected, the matching process is fair, and all steps are clearly recorded.*

The system also helps hospitals, organ banks, and government agencies work together more efficiently. Our proposed models show how technology can improve trust, security, and coordination in the organ donation process. Blockchain..

Keywords: Blockchain, Organ Donation, Decentralized System, Smart Contracts, Medical Record Management

