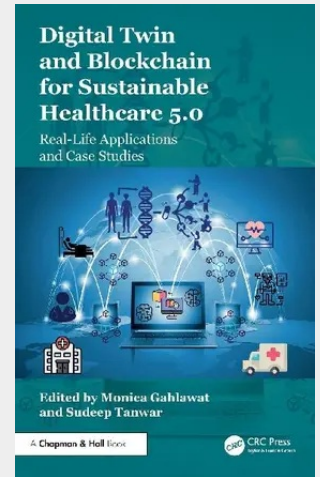


Digital Twin and Blockchain for Sustainable Healthcare 5.0

Real-Life Applications and Case Studies

This book investigates blockchain and digital twin technologies to offer insights into their potential applications in the healthcare industry. It explores how these technologies can work together to build a strong and sustainable healthcare ecosystem, improve patient satisfaction, and streamline administrative procedures. Through examples, case studies and discussions, the book highlights their use in supply chain management, disease prediction, and patient monitoring. It addresses challenges and offers solutions, examining ethical and legal considerations and the integration of patient preferences. • Explores how blockchain technology can support digital twin technology in healthcare applications, facilitating efficient and secure data management. • Studies utilisation of advanced machine learning algorithms and predictive models in healthcare applications. • Discusses how the integration of digital twin and blockchain technologies can contribute to sustainable development in personalised healthcare. • Considers the ethical and legal implications associated with personalised treatment options, providing a comprehensive examination of these considerations. • Integration of patient preferences into personalised healthcare approaches, emphasising the importance of patient-centric care. Aimed at professionals, researchers, and policymakers interested in Healthcare 5.0., the book provides comprehensive coverage of these technologies and their role in shaping sustainable healthcare practices. The Open Access version of this book, available at <http://www.taylorfrancis.com>, has been made available under a Creative Commons [Attribution-Non Commercial-No Derivatives (CC BY-NC-ND)] 4.0 license.

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