Modern Technology in Healthcare and Medical Education: Blockchain, IoT, AR, and VR
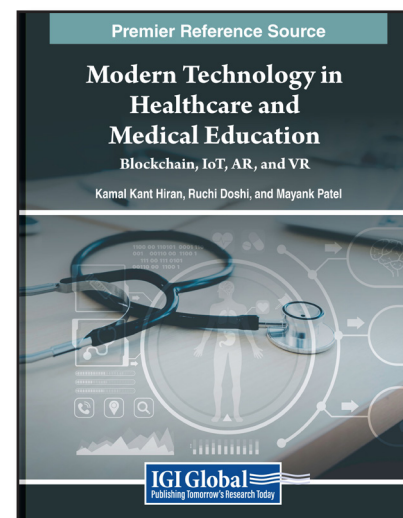
Part of the Advances in Medical Education, Research, and Ethics Book Series

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Description:

The integration of Augmented Reality (AR) and Virtual Reality (VR) with Artificial Intelligence (AI) has immense potential to have beneficial effects for institutions of healthcare and medical education. However, this integration has become so complex, it presents numerous challenges across various domains. Researchers and practitioners often need help to keep pace with the rapid advancements of technologies and applications. Issues such as privacy, security, scalability, and optimization of AR/VR setups remain critical concerns for healthcare industry professionals and academics alike. There needs to be a comprehensive resource that addresses these challenges, if we expect the field to grow in an effective and responsible manner.

Modern Technology in Healthcare and Medical Education: Blockchain, IoT, AR, and VR offers a solution to these challenges. By providing insights from researchers and experts in the field, this book serves as a valuable reference for addressing real-world problems. This book is a must-have resource for doctoral and post-doctoral researchers, undergraduate and postgraduate students, industry professionals, and government agencies working in AR/VR. It provides a roadmap for future research and development in this rapidly evolving field. It covers a wide range of topics, including enhancements in AR/VR, AI integration, task-specific training, and applications in healthcare and education.

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Hardcover: **$455.00**   **E-Book:** **$455.00**   **Hardcover + E-Book:** **$550.00**

Topics Covered:

- Advancements in Modelling Objects in AR/VR
- Advertisement and Marketing in AR/VR
- Agriculture Applications in AR/VR
- AI Integration in AR/VR
- Architecture Designing Using AR/VR
- E-Commerce in AR/VR
- Education Applications of AR/VR
- Enhancements in Augmented Reality
- Enhancements in Mixed Reality
- Enhancements in Virtual Reality
- Healthcare Applications of AR/VR
- Improvisations of Sensors in AR/VR
- Interior Design Using AR/VR
- IoT's Role in AR/VR
- Optimization of AR/VR Setup

Subject: Medicine & Healthcare

Classification: Edited Reference

Readership Level: Advanced-Academic Level (Research Recommended)

Research Suitable for: Advanced Undergraduate Students; Graduate Students; Researchers; Academicians; Professionals; Practitioners