Innovations and Applications of Clinical Decision Support Systems in Healthcare
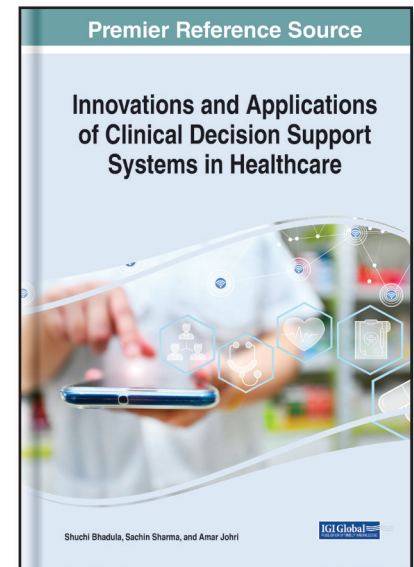
Part of the Advances in Medical Technologies and Clinical Practice Book Series

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Premier Reference Source

Innovations and Applications of Clinical Decision Support Systems in Healthcare

Shuchi Bhadula, Sachin Sharma, and Amar Johri

Description:

A huge amount of potential is vested in artificial intelligence, augmented reality, and data analytics techniques to transform next-generation healthcare innovations and applications. Evolution in the healthcare industry aims at leveraging the combined knowledge of medical experts and advanced technologies to deliver robust and patient-centric healthcare solutions. Innovations and applications of clinical decision support systems are part of the health information technology that offers knowledge and person-specific data to physicians, staff, patients, and other individuals to support health and medical care. A range of advanced tools are included to improve clinical workflow decision-making with efficiency and are intended to improve healthcare delivery by enhancing medical decisions.

Innovations and Applications of Clinical Decision Support Systems in Healthcare covers a wide range of applications of artificial intelligence, augmented reality, and data analytics techniques in disease diagnosis, remote patient monitoring, and assisting healthcare providers. Covering key topics such as artificial intelligence, healthcare analytics, and augmented reality, this premier reference source is ideal for policymakers, nurses, medical professionals, computer scientists, industry professionals, researchers, academicians, scholars, practitioners, instructors, and students.

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Topics Covered:

- Artificial Intelligence
- Cloud Computing
- Deep Learning
- Digital Watermarking
- Image Analytics
- Image Augmentation
- Image Processing
- Machine Learning
- Neural Networks
- Optimization

Subject: Computer Science and Information Technology	**Classification:** Edited Reference
Readership Level: Advanced-Academic Level (Research Recommended)	**Research Suitable for:** Advanced Undergraduate Students; Graduate Students; Researchers; Academicians; Professionals; Practitioners