

DIGITAL TRANSFORMATION IN HEALTHCARE MANAGEMENT FOR SOCIETY 5.0

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Preface

Digital transformation pertains to adopting digital technologies to enhance healthcare delivery and address medical challenges. This entails leveraging internet-based solutions, digital technologies, and their impact on novel therapies and best practices for improved healthcare management. The pervasive nature of technological advancements, including wearable technology, information technology, virtual reality, and the Internet of Things, has significantly influenced healthcare operations. Consequently, patients now have access to a broader array of healthcare options, fostering a patient-centric culture within the healthcare sector. Digital transformation plays a pivotal role in shaping both individual and institutional healthcare. A notable contribution to this field is publishing the research book “Digital Transformation in Healthcare Management” made possible through the UKM-KPJ Endowment Grant 2024. This comprehensive resource serves as a foundation for healthcare management in the digital age, covering diverse topics related to the use of digital technology and its implications. Notably, the edited book delves into the application of artificial intelligence in enabling the participation of individuals with disabilities in healthcare and its potential to enhance health information systems. Furthermore, it explores the role of robots in aiding the recovery of stroke patients and the utilization of the internet to facilitate healthcare access for the elderly. Additionally, the book addresses the importance of preplanning healthcare decisions using tools like the Advance Medical Directive, and the use of gaming for home-based stroke patient rehabilitation.

Bitcoins as digital cash could facilitate settlements for medical services, as discussed in this edited book. Individuals suffering from astigmatism could benefit from using mobile phone applications, which also makes communities aware of how digital transformation shapes healthcare. Lastly, this edited book also covers the deliberation on improving the livelihood of persons with tunnel vision.

To sum up, we wish to express our sincere thanks to Allah SWT for the successful publishing of the book; though it was dedicated almost entirely to delivering good-quality content, we have to admit that it might contain occasional errors by chance, as well as mistakes or omissions. Your feedback on constructive criticism and ideas on improving it would be highly appreciated as we prepare for future editions. Our families, who always encourage us; our colleagues and UKM Press, who never waver in supporting us; and each chapter's respective contributors, we're so grateful to you all. Digital transformation in healthcare management would be significantly enlightened in our country with this book if it can become a great source of information.

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