

Foreword

With great pleasure, I present *Digital Transformation in Healthcare 5.0: IoT, AI, and Digital Twin*, a remarkable book that demonstrates the convergence of cutting-edge technology and healthcare. This book, carefully edited by Dr. Rishabha Malviya, provides a comprehensive discussion of the continuing digital revolution in healthcare in a world where the world of computing is changing at a rapid pace.

The continual demand for innovations that increase patient outcomes, boost efficiency, and save costs has always made the healthcare industry vibrant. But with the arrival of the Fourth Industrial Revolution (4IR), a paradigm shift has occurred that is changing not just healthcare but also how we see and utilize it. This transition, which is being driven by the potential of Digital Twin, AI, and Internet of Things (IoT) technologies, could lead to an innovative era in healthcare.

A varied range of academics and thought leaders have been put together by Dr. Malviya's perceptive editorial perspective for exploring this revolutionary journey, providing a multifaceted perspective on the effects of digital disruption on healthcare delivery, the transformation of global health, and technological paradigm changes. This book covers all facets of this healthcare revolution, from e-health services to the immersive impact of virtual reality on accessible healthcare, and from the use of Digital Twins in alimentary health technologies to the data-driven domain of big data analytics and machine learning.

The book explores these issues in depth and provides an elaborate overview of the difficulties facing healthcare in the digital era. Additionally, a compelling future for healthcare is put forward to us: one that is more affordable, accessible, and sensitive to the requirements of the healthcare industry.

I congratulate the writers who provided their knowledge and experience, lending their skills to shape the discussions on the future direction of healthcare. This book is evidence of their commitment and foresight.

Researchers, technologists, healthcare workers, and everyone else interested in the study of dynamic healthcare technologies will find *Digital Transformation in Healthcare 5.0: IoT, AI, and Digital Twin* to be a useful resource. The editorial leadership of Dr. Mal-

viya has resulted in an incisive and thought-provoking compilation that emphasizes the promise of the digital era and its ability to transform healthcare positively.



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