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Descrizione fisica	1 online resource (161 pages)
Collana	EAI/Springer Innovations in Communication and Computing, , 2522-8609
Disciplina	610.2854678
Soggetti	Telecommunication Biomedical engineering Medical informatics Application software Communications Engineering, Networks Biomedical Engineering and Bioengineering Health Informatics Computer and Information Systems Applications
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Formato	Materiale a stampa
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Internet of Medical Things (IoMT) Applications and Research Issues in Healthcare Monitoring -- Role of Internet of Things and Artificial Intelligence in COVID-19 Pandemic Monitoring -- Design of LinkIt ONE based IoT system with middleware architecture for healthcare monitoring -- FPGA Implementation of Multivariate Support Vector Regression for Non-Invasive Blood Glucose Estimation using IoMT framework -- IoT-A New Paradigm for Healthcare Monitoring -- e-Healthcare Challenges_Scenario in Rural Regions of South Asia -- Computation Offloading for Smart Healthcare Applications -- Change and Periodic Events: Relevance to the Pandemic.
Sommario/riassunto	This book discusses communications technologies used in the field of healthcare, including IoT, soft computing, machine learning, big data, augmented reality, and wearable sensors. The book presents various

applications that are helpful for research scholars and scientists who are working toward identifying and pinpointing the potential of this technology. The book also helps researchers and practitioners to understand and analyze the e-healthcare architecture through IoT and the state-of-the-art in IoT countermeasures with real-time challenges. Topics of interest include healthcare systems based on advanced development boards, mobile health parameters recording and monitoring systems, remote health / patient monitoring, hospital operations management, abnormality / disease detection by IoT devices, and efficient drug management. The book is relevant to a range of researchers, academics, and practitioners working on the intersection of IoT and healthcare. Amalgamates the IoT and healthcare domains, presenting both research and application of IoT throughout the healthcare industry; Compiles research on how various applications of IoT have made healthcare systems more enriching and fruitful; Relevant for researchers, academics, and practitioners tasked with applying IoT in the healthcare domain.