



5G-based smart hospitals and healthcare systems : evaluation, integration, and deployment /

Kumar, Arun

(Associate professor of electronics),
editor

Chakravarty, Sumit

(Associate professor of electrical engineering),
editor

Aravinda, K. (

1966-),

editor

Sharma, Mohit Kumar

(Assistant professor),
editor

Monografia

"With the increase in the development of the advanced cellular communication system, it is assumed that several sectors, such as the health industry, education, transport industry, business model, and so on, will rapidly grow. However, the requirements of the above-mentioned sectors are different and difficult to fulfill. Hence, 5G will be integral to several networks and will also need a unique management system for its successful rollout around the globe. 5G-Based Smart Hospitals and Healthcare Systems: Evaluation, Integration, and Deployment provides an overview of the role of advanced technologies in transforming the healthcare industry. It emphasizes the technical requirements of smart hospitals and the technologies associated with them along with explaining how technologies such as IoT, machine learning, and AI can be integrated with smart hospitals and 5G networks. The book evaluates several concerns such as privacy of data, infrastructure costs, and regular upgradability of technologies. Since the storage of information is a major concern with the implantation of 5G-base hospitals, this book will specifically address those issues along with examining the potential pitfalls of 5G-based hospitals and the factors that cause their failures. This book specifically targets professionals, academicians, engineers, researchers, management firms, technical institutes, R&D establishments, and individuals researching in the fields of 5G, healthcare, medical sensors, IoT, big data, and related fields. The main objectives of this book are to accumulate state-of-the-art IoT, 5G, AI, and machine learning-based approaches for resolving healthcare problems"--

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Autores: Kumar, Arun (Associate professor of electronics), editor Chakravarty, Sumit (Associate professor of electrical engineering), editor Aravinda, K. (1966-), editor Sharma, Mohit Kumar (Assistant professor), editor

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Baratz Innovación Documental

- Gran Vía, 59 28013 Madrid
- (+34) 91 456 03 60
- informa@baratz.es