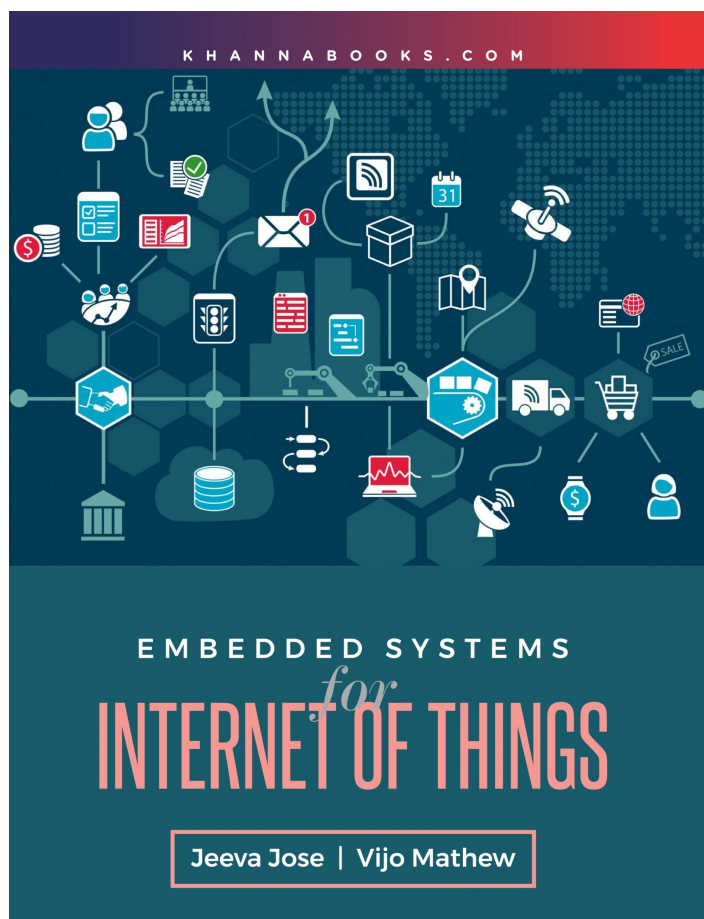




Embedded Systems for Internet of Things

Author :	Jeeva Jose
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Product Description

Salient Features of The Book **1.** Covers complete AICTE syllabus of IoT-04 minor degree course-Embedded systems for IoT. **2.** Each Chapter is provided with objective questions with answers and review questions **3.** The full form of the explanation of the abbreviations used are given in each chapter. **4.** Meets the requirements of India's National Education Policy 2020 (NEP 2020).

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Chapter 1: IoT Design Methodology. **Chapter 2:** Embedded Systems. **Chapter 3:** Embedded System Design. **Chapter 4:** Inputs and Outputs. **Chapter 5:** Embedded System Platforms & IDE. **Chapter 6:** IoT Sensing Layer Protocols. **Chapter 7:** IoT Network Protocols.



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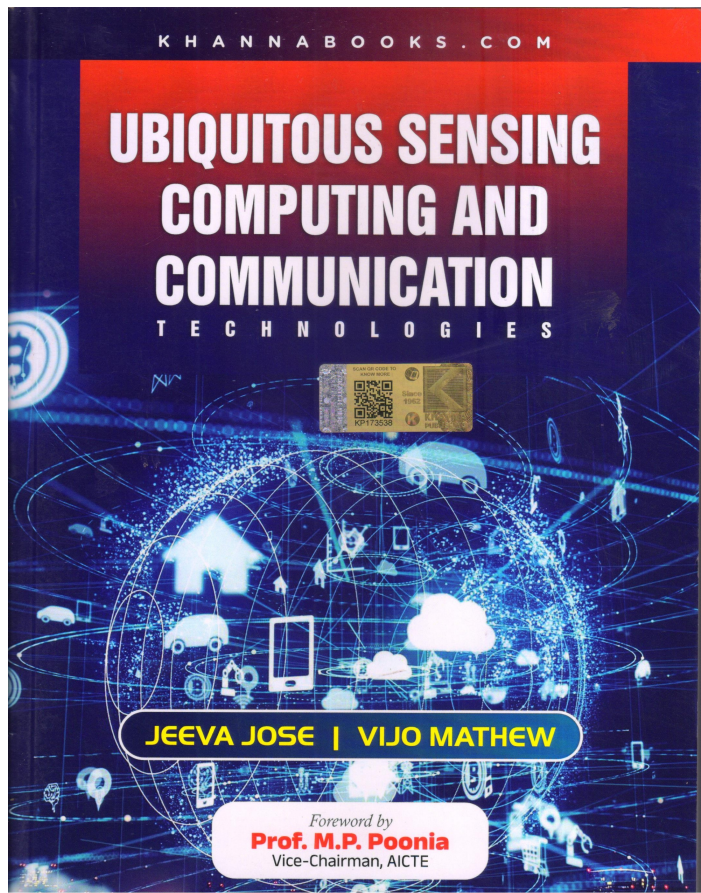
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Dr. Jeeva Jose completed Ph. D. in Computer Science from Mahatma Gandhi University, Kerala, India and is a faculty member at BPC College, Kerala. Her passion is teaching and areas of interests include world wide web, Data Mining and Cyber laws. She has been in higher education for the last 15 years and has completed three research projects funded by UGC and KSCSTE. She has published more than twenty research papers in various refereed journals and conference proceedings. She has edited three books and has given many invited talks in various conferences. She is a recipient of ACM-W Scholarship provided by Association for Computing Machinery, New York.

Vijo Mathew is a highly accomplished engineer with three decades of experience in driving innovation and growth in various electrical, electronics, and information technology industries. His track record is complemented by a postgraduate degree in management, equipping him to excel in business management, strategic management, and technology management. His expertise is highly valued in the fields of software, electrical and electronics hardware, and design where he provides strategic guidance and mentorship to organizations seeking to stay ahead of the curve. He has demonstrated a unique ability to bridge the gap between technology and business driving success through his visionary approach and collaborative leadership style. His leadership skills and technical acumen have made him an advisor to some reputed national and international corporations. As an advisor and strategic leader, he is helping organizations achieve their full potential through innovative solutions, effective management, and visionary leadership. He is also author of many books related to technology and management.





Ubiquitous Sensing Computing and Communication Technologies

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Product Description

Salient Features of the Books: *Covers Complete AICTE syllabus of lot-03 minor degree course- Ubiquitous Sensing, Computing and Communication. * The Basics of IoT- Mechanical, Electronics and Sensor platforms are explained.* Different wired and wireless protocols, mobile to Electronics and Enterprise integration are discussed.* Open Source and Commercial Electronics Platform for IoT demonstrated.* Details of Open Source and Commercial Enterprise cloud platforms for Io provided. * Each chapter is provided with objective questions with answers and review questions. * The full form and explanation of the abbreviations used are given in each chapter.



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Chapter 1: Sensing, Computing and Communication.

Chapter 2: Ubiquitous Sensing.

Chapter 3: Ubiquitous Communication.

Chapter 4: Sensor networks.

Chapter 5: Software Defined Network.

Chapter 6: Sensor Cloud.

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Chapter 9: Cloud Computing.

Chapter 10: Edge, Fog, Mist, Dew Computing.

Chapter 11: Wearable Computing.

Chapter 12: Affective Computing.

Chapter 13: Cognitive Computing.

Chapter 14: Context Aware Computing.

Chapter 15: Social Network.

Chapter 16: IoT Data Analytics and Management.

Chapter 17: Internet and Deep Web.

Chapter 18: Search Techniques and Search Engines.



Authors

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Dr. Jeeva Jose completed Ph. D. in Computer Science from Mahatma Gandhi University, Kerala, India and is a faculty member at BPC College, Kerala. Her passion is teaching and areas of interests include world wide web, Data Mining and Cyber laws. She has been in higher education for the last 15 years and has completed three research projects funded by UGC and KSCSTE. She has published more than twenty research papers in various refereed journals and conference proceedings. She has edited three books and has given many invited talks in various conferences. She is a recipient of ACM-W Scholarship provided by Association for Computing Machinery, New York.

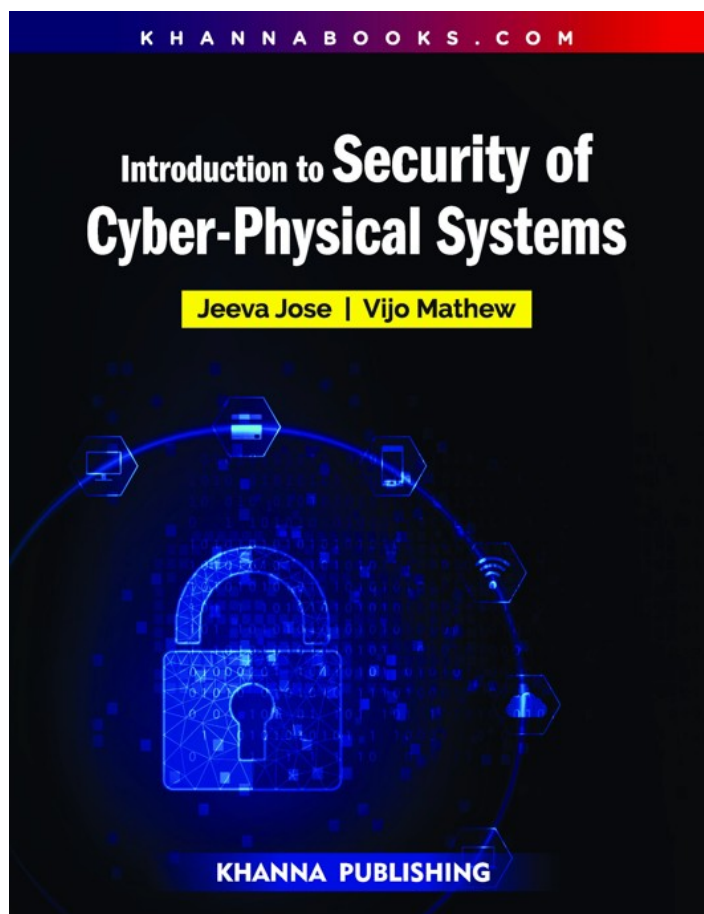
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Introduction to Security of Cyber-Physical Systems

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Product Description

Salient Features of this book:- 1. Covers Complete AICTE syllabus of Security of Cyber Physical Systems (IOT-O2) minor change degree course . 2. The basic of security and various types of security issues are explained 3. Different cryptography techniques and various security attacks are discussed. 4. Network security and how they are implemented in real world is demonstrated. 5. Insight to various issues of web security and biometric authentication provided. 6. Each chapter is provided with objective questions with answers and review questions. 7. The full form and explanation of the abbreviations used are given in each chapter.



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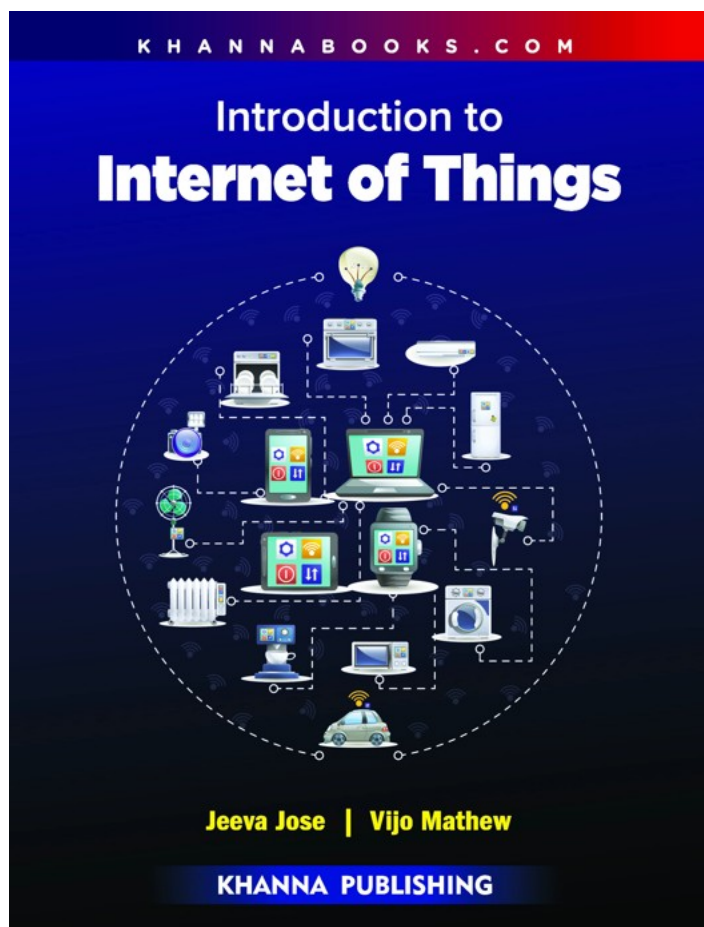
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Preface, Chapter 1: Information System. **Chapter 2:** Information System Security. **Chapter 3:** Privacy in Information System. **Chapter 4:** Cyber Security. **Chapter 5:** Policy, Standards, Certifications and Cyber Laws. **Chapter 6:** Cyber Security Technology and Tools. **Chapter 7:** Cryptology. **Chapter 8:** Cryptosystem. **Chapter 9:** Digital Signature and E-mail Security. **Chapter 10:** Information Theory. **Chapter 11:** IoT Security and Privacy Case Study. **Chapter 12:** Software Defined Networking. **Chapter 13:** Cyber-Physical Systems.

Authors

Jeeva Jose Dr. Jeeva Jose completed Ph. D. in Computer Science from Mahatma Gandhi University, Kerala, India and is a faculty member at BPC College, Kerala. Her passion is teaching and areas of interests include world wide web, Data Mining and Cyber laws. She has been in higher education for the last 15 years and has completed three research projects funded by UGC and KSCSTE. She has published more than twenty research papers in various refereed journals and conference proceedings. She has edited three books and has given many invited talks in various conferences. She is a recipient of ACM-W Scholarship provided by Association for Computing Machinery, New York. **Vijo Mathew**



Introduction to Internet of Things

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Product Description

Salient Features of this book:- 1. Covers Complete AICTE syllabus of Internet of Things (IOT-O1) minor change degree course . 2. Provides introduction to IOT in a simple method. 3. Best self- study material and reference guide. 4. Explains the technologies & standards related to IOT. 5. IOT Ecosystem is discussed in detail. 6. Will help to develop skills in IOT technical planning. 7. Each chapter is provided with objective questions with answers and review questions. 8. The full form and explanation of the abbreviations used are given in each chapter.

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Authors

Jeeva Jose Dr. Jeeva Jose completed Ph. D. in Computer Science from Mahatma Gandhi University, Kerala, India and is a faculty member at BPC College, Kerala. Her passion is teaching and areas of interests include world wide web, Data Mining and Cyber laws. She has been in higher education for the last 15 years and has completed three research projects funded by UGC and KSCSTE. She has published more than twenty research papers in various refereed journals and conference proceedings. She has edited three books and has given many invited talks in various conferences. She is a recipient of ACM-W Scholarship provided by Association for Computing Machinery, New York. **Vijo Mathew**
