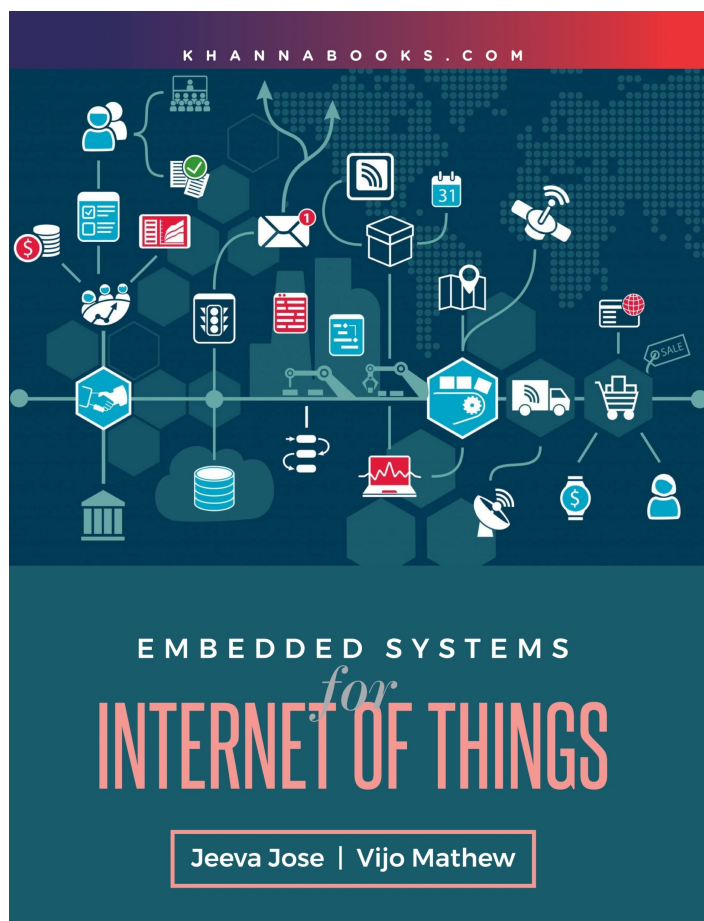




Embedded Systems for Internet of Things

Author :	Jeeva Jose
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Categories :	Computer Science Engineering
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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).

Table of Contents

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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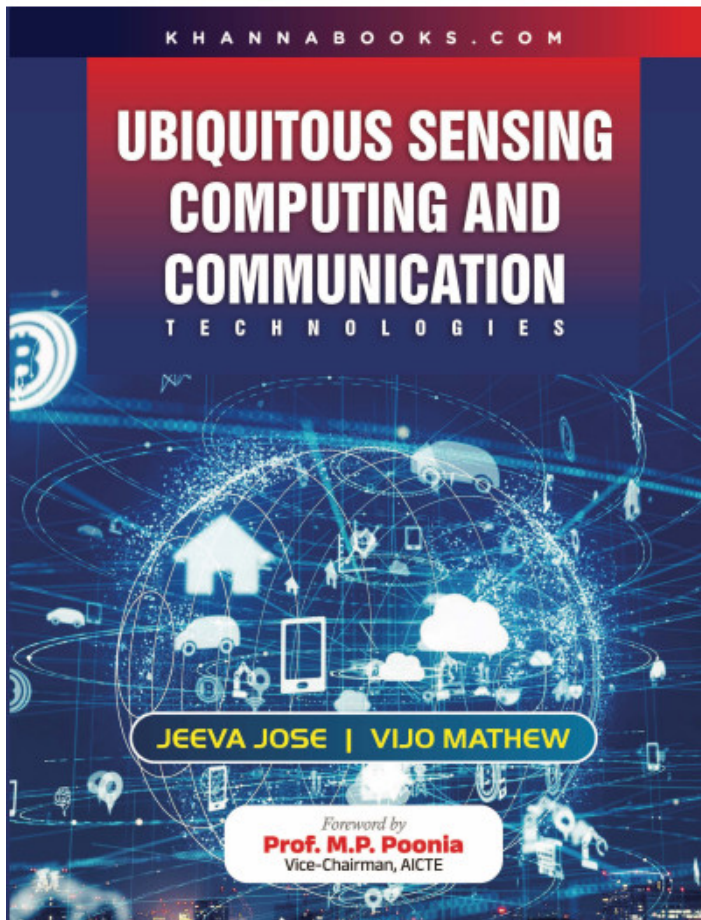
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Author

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

Author :	Jeeva Jose
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Categories :	Computer Science Engineering, Emerging Technologies
SKU :	1725691329
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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.

Chapter 7: Sensor Web.

Chapter 8: Ubiquitous Computing.

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

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.

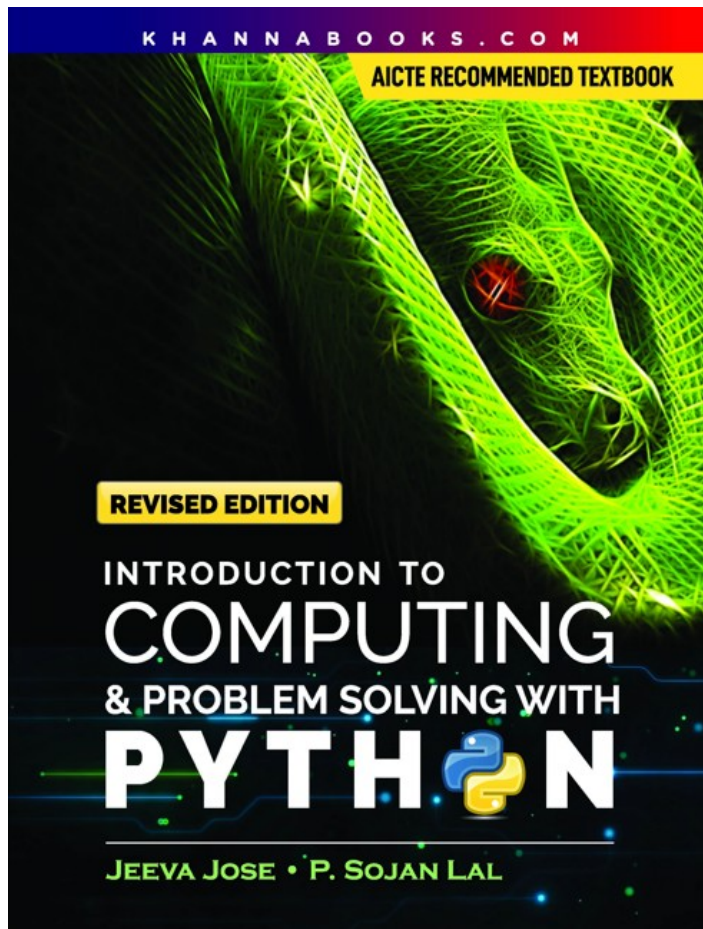
Vijo Mathew



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Email: contact@khannabooks.com | Tel: 011-2324 44 47 - 48 | Mobile: + +91-99109 09320



Introduction to Computing & Problem Solving with PYTHON

Author : Jeeva Jose
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[Computer Science Engineering,](#)
[Emerging Technologies](#)

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Country Origin : India

Product Description

This book 'Introduction to Computing and Problem Solving with Python' will help every student, teacher and researcher to understand the computing basics and advanced Python Programming language. The Python programming topics include the reserved keywords, identifiers, variables, operators, data types and their operations, flow control techniques which include decision making and looping, modules, files and exception handling techniques. Advanced topics like Python regular expressions, Database Programming and Object Oriented Programming concepts are also covered in detail. All chapters have worked out programs, illustrations, review and frequently asked interview questions. The simple style of presentation makes this a friend for self-learners. More than 300 solved lab exercises available in this book is tested in Python 3.4.3 version for Windows. The book covers syllabus for more than 35 International Universities and 45 Indian universities like Dr. APJ Abdul Kalam Technological University, Christ University, Savitribai Phule Pune University, University of Delhi, University of Calicut, Mahatma Gandhi University, University of Mumbai, AICTE, CBSE, MIT, University of Virginia, University of Chicago, University of Toronto, Technical University of Denmark etc.

Table of Contents

Chapter 1: Introduction to computers. **Chapter 2:** Program Logic and Flowcharts. **Chapter 3:** Introduction to Python. **Chapter 4:** Data Types and Operations. **Chapter 5:** Flow Control. **Chapter 6:** Functions. **Chapter 7:** Modules and Packages. **Chapter 8:** File Handling. **Chapter 9:** Object Oriented Programming. **Chapter 10:** Exception Handling. **Chapter 11:** Regular Expressions. **Chapter 12:** Database Programming.

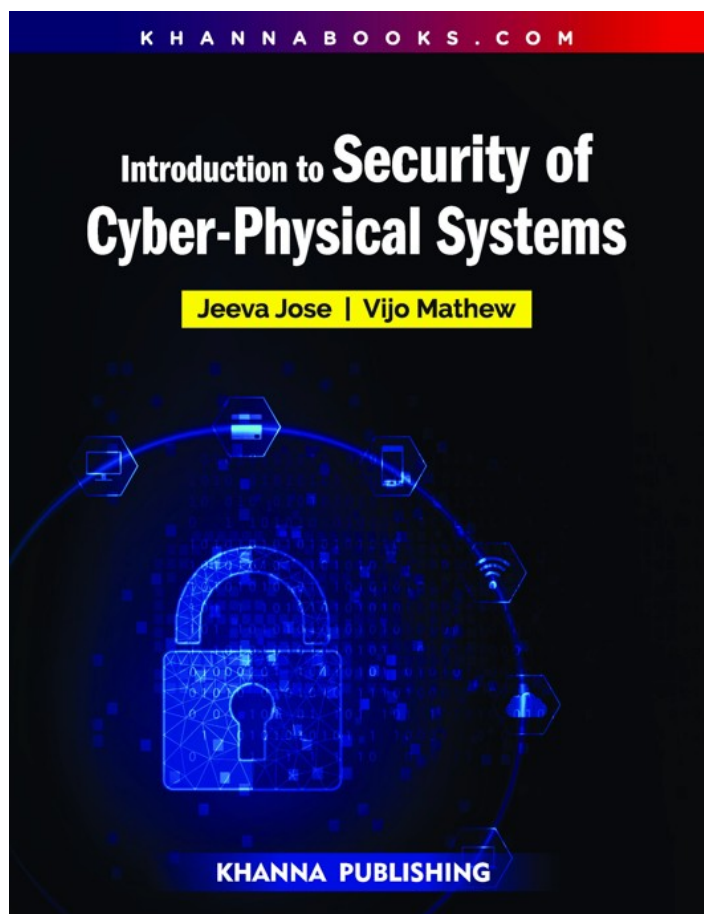


Authors

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.

P. Sojan Lal P. Sojan Lal was awarded PH. D. from Cochin University of Science and technology, kerala, India. He is Professor, department of computer science and engineering, MBITS, kerala, India and Research supervisor for PH. D. programs of University of petroleum & Energy Studies, Dehardun, India as well as school of computer science, Mahatma Gandhi University, kerala, India. He has 29 Years of academic and industrial experience with 60 publications inclusive of two technical books. His joint publications are recorded with world records India (2014) for most number of papers in several international technical journals within short duration. He has also obtained MBA from Strathclyde Business School, Scotland, UK and is a fellow of the Institution of engineers (FIE-India). He was the district Operation Board member for ASME, Middle east and Africa region. He is a member of ISTE, ASME, IEEE, CSI and engineering Council (UK). He is listed in marquis who's who in the world since 2009 as the biographical reference representing the world's most accomplished individuals.





Introduction to Security of Cyber-Physical Systems

Author :	Jeeva Jose
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Country Origin :	India

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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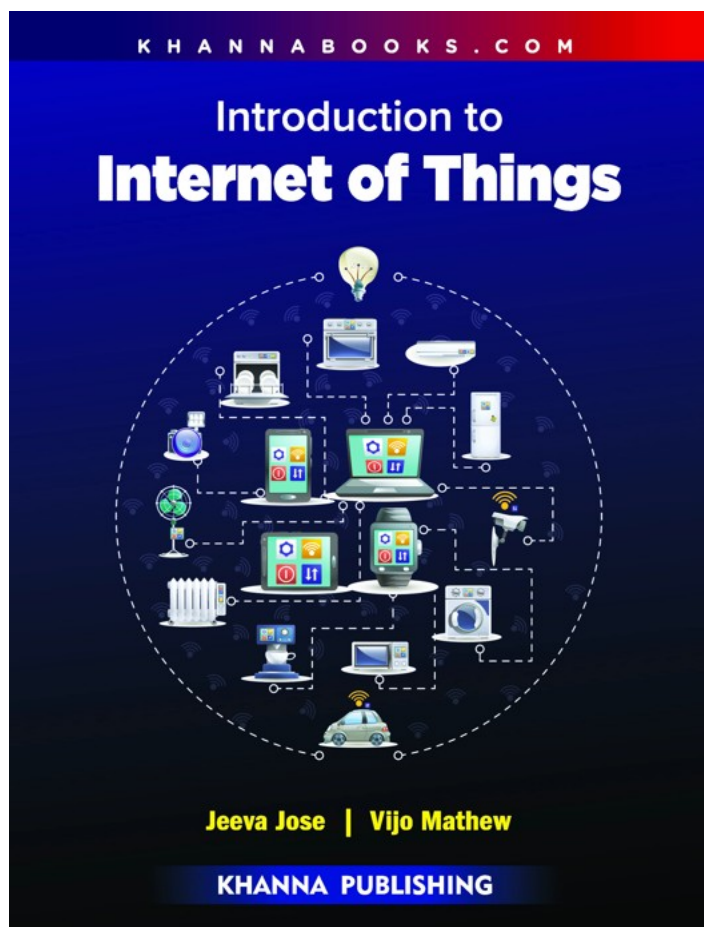
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Table of Contents

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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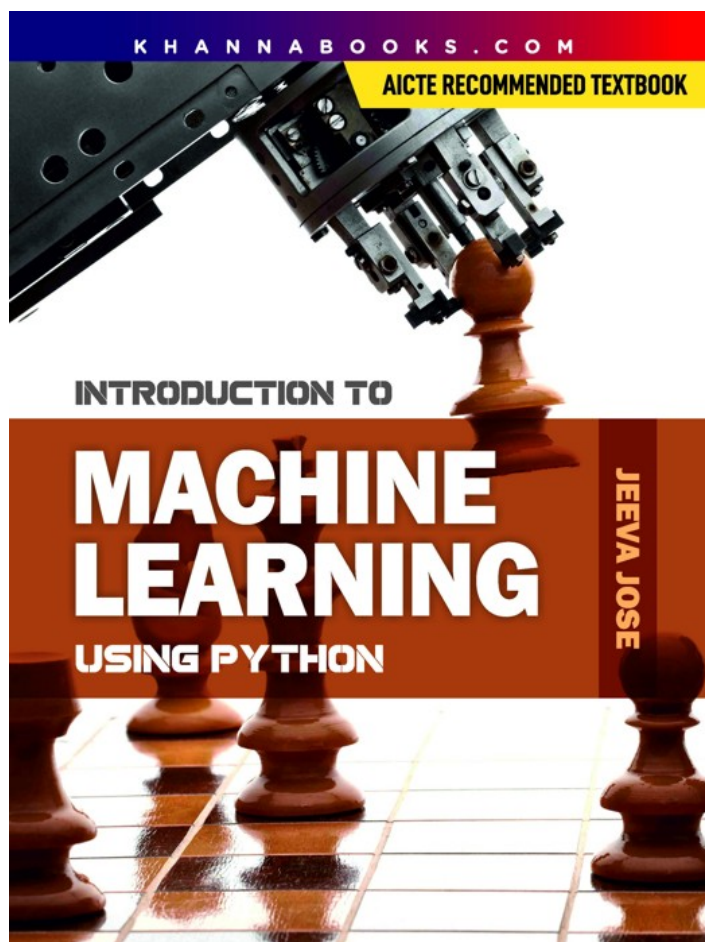
Salient Features of this book:- 1. Covers Complete AICTE syllabus of Internet of Things (IOT-O1) minor change degree course . 2. Provides introduction to IOT in a simple method. 3. Best self- study material and reference guide. 4. Explains the technologies & standards related to IOT. 5. IOT Ecosystem 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.

Table of Contents

Chapter 1: Internet of Things & Web Technology. **Chapter 2:** M2M to IoT. **Chapter 3:** Reference Architecture to Actual System. **Chapter 4:** IoT Applications for Value Creations. **Chapter 5:** Industrial IoT. **Chapter 6:** IoT Smart Components. **Chapter 7:** Internet of Things Applications. **Chapter 8:** IoT for Home Management. **Chapter 9:** Smart Cities. **Chapter 10:** IoT for Retailing Industry. **Chapter 11:** IoT for Oil Gas Industry. **Chapter 12:** Smart Electrical Energy Grids. **Chapter 13:** IoT Privacy, Security, Trust and Governance. **Chapter 14:** Future Internet Technologies. **Chapter 15:** IoT Standardization & Research.

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 Machine Learning

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Product Description

. AICTE recommended book for Indian Universities and Autonomous colleges... This book can be used as a self-study material or for instructor assisted teaching. . Frequent questions for interviews and examinations are provided.

Table of Contents

Chapter 1: Introduction to Machine Learning. **Chapter 2:** Regression. **Chapter 3:** Classification. **Chapter 4:** Cluster Analysis. **Chapter 5:** Advance Multivariate Analysis. **Chapter 6:** Semi-supervised, Reinforcement & Active Learning. **Chapter 7:** Deep Learning. **Chapter 8:** Introduction to TensorFlow. **Chapter 9:** Regression using TensorFlow. **Chapter 10:** Artificial Neural Networks using TensorFlow.



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Author

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Internet of Things



Jeeva Jose

Internet of Things

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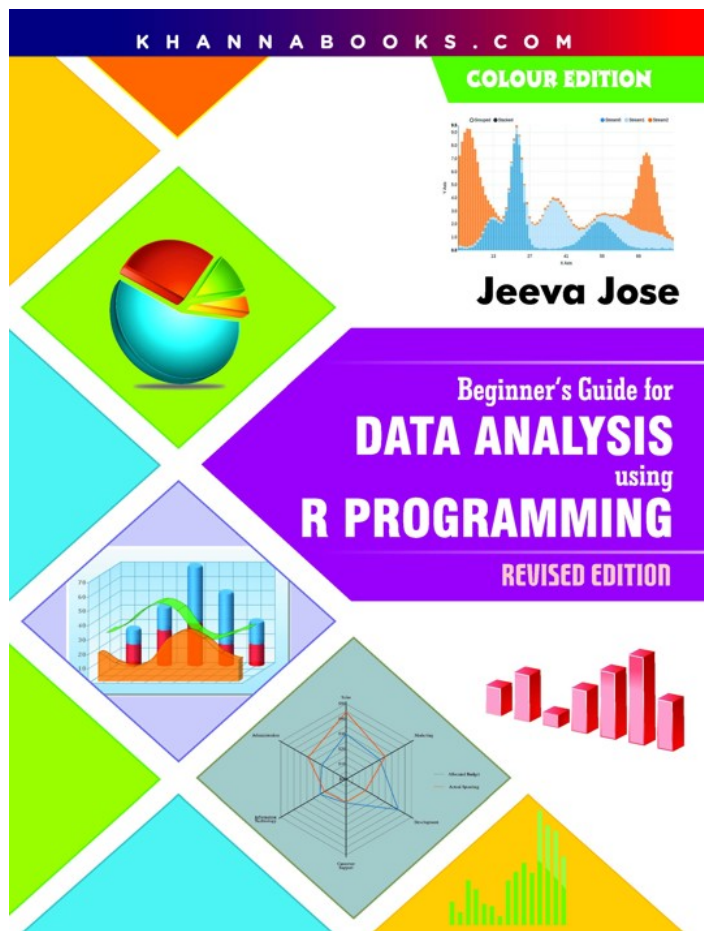
Internet of Things (IoT) is a network comprising of machines, vehicles, home appliances, computers, micro controllers, sensors and actuators supported by application software and protocols. The study of IoT is the detailed understanding of these components. As per the estimates, by 2020 the connected things in IoT network will outnumber human beings in earth. Practical applications of IoT Technology is in every area like agriculture, construction management, health care, energy, transportation, education etc. The opportunity in business and job for IoT is increasing day by day.

Table of Contents

Chapter 1: Introduction to Internet of Things. **Chapter 2:** IOT Networking. **Chapter 3:** Connectivity Technologies. **Chapter 4:** Wireless Sensor Networks. **Chapter 5:** UAV Networks & M2M Communication. **Chapter 6:** Programming with Arduino. **Chapter 7:** Introduction to Python Programming. **Chapter 8:** IoT implementation with Raspberry Pi. **Chapter 9:** Software Defined Networking. **Chapter 10:** Cloud Computing. **Chapter 11:** Sensor cloud. **Chapter 12:** Fog Computing. **Chapter 13:** Smart Homes. **Chapter 14:** Smart Grids. **Chapter 15:** Smart Cities. **Chapter 16:** Connected vehicles. **Chapter 17:** Industrial IoT.

Author

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.



Beginner's Guide for Data Analysis using R Programming

Author :	Jeeva Jose
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Country Origin :	India

Product Description

R programming is an efficient tool for statistical analysis of data. Data science has become critical to each field and the popularity of R is skyrocketing. Organizations as large and diverse as Google, Facebook, Microsoft, Bank of America, Ford Motor Company, Mozilla, Thomas Cook, The New York Times, The National Weather Service, Twitter, ANZ Bank, Uber, Airbnb etc. have turned to R for reporting, analyzing and visualization of data, this book is for students and professionals of Mathematics, Statistics, Physics, Chemistry, Biology, Social Science and Medicine, Business, Engineering, Software, Information Technology, Sales, Bio Informatics, Pharmacy and any one, where data needs to be analyzed and represented graphically. Salient features of the book: 1. Explains R concept in a simple method. 2. Best self-study material and reference guide. 3. Teaches how to apply various statistical methods to data science. 4. Help statistician and professional to leverage strength by combining their domain expertise with data analysis capability of R. 5. More than 300 solved and tested programs provided. 6. A comprehensive book covering all areas of R in detail.

Table of Contents

Chapter 1: Introduction. **Chapter 2:** Data Types & Operations. **Chapter 3:** Flow Control. **Chapter 4:** Functions and Packages. **Chapter 5:** Charts and Graphs. **Chapter 6:** Connecting R to External Interfaces. **Chapter 7:** Elementary Statistics. **Chapter 8:** Tests of Hypotheses. **Chapter 9:** Non Parametric Tests. **Chapter 10:** Analysis of Variance. **Chapter 11:** Basic Multivariate & Analysis. **Chapter 12:** Advanced Multivariate Analysis. **Chapter 13:** Advanced Graphs.

Author

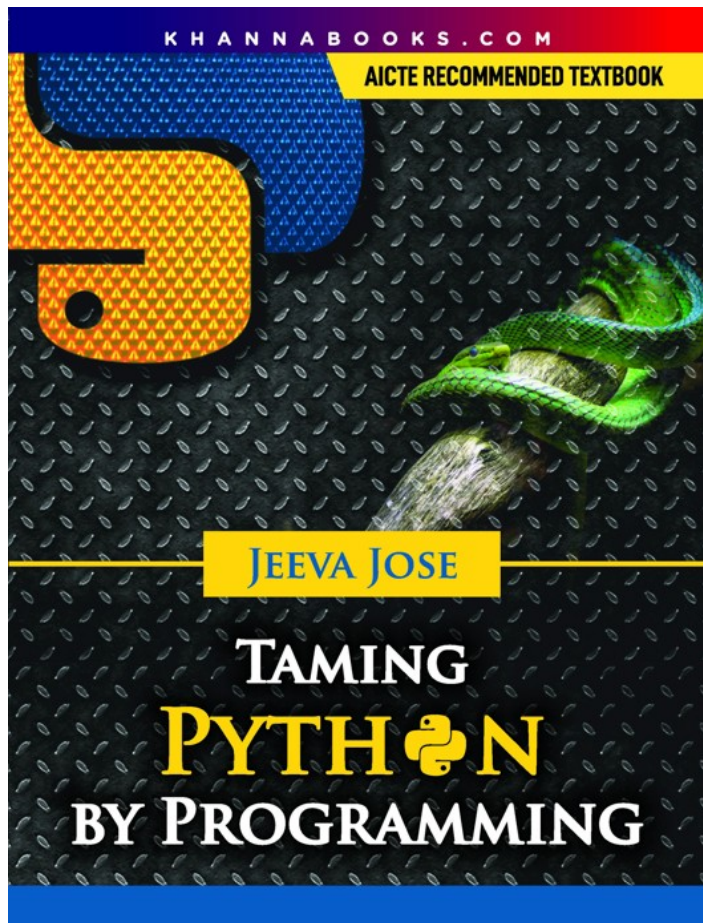
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Taming PYTHON By Programming

Author :	Jeeva Jose
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Publisher :	Khanna Publishing House
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Categories :	Computer Science Engineering, Emerging Technologies
Condition Type :	New
Country Origin :	India

Product Description

This is a great book for Python Beginner and Advanced Learner which covers Basics to Advanced Python Programming where each topic is explained with the help of Illustrations and Examples. More than 450 solved programs of this book are tested in Python 3.4.3 for windows. The range of Python Topics covered makes this book unique which can be used as a self study material or for instructor assisted teaching. This books covers Python Syllabus of all major national and international universities. Also it includes frequently asked questions for interviews and examination which are provided at the end of each chapter.



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Table of Contents

Chapter 1: Introduction to Python. **Chapter 2:** Data Types and Operations. **Chapter 3:** Flow Control. **Chapter 4:** Functions. **Chapter 5:** Modules and Packages. **Chapter 6:** File Handling. **Chapter 7:** Object Oriented Programming. **Chapter 8:** Exception Handling. **Chapter 9:** Regular Expressions. **Chapter 10:** Database programming. **Chapter 11:** Iterators, Generators and Decorators. **Chapter 12:** GUI Programming. **Chapter 13:** Multithreading. **Chapter 14:** CGI Programming. **Chapter 15:** Socket Programming. **Index**

Author

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.
