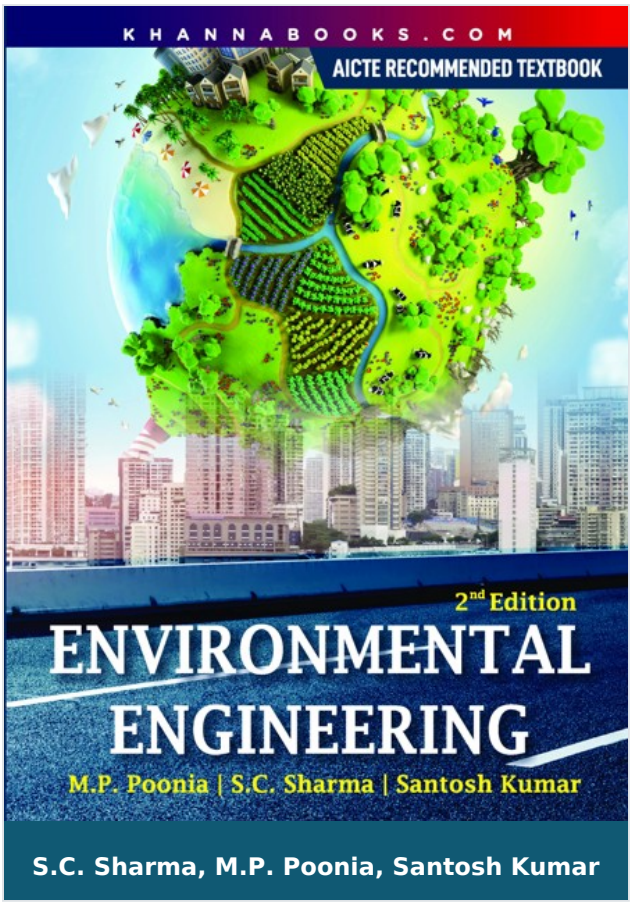

Environmental Engineering

Author :	S.C. Sharma, M.P. Poonia, Santosh Kumar
ISBN 13 :	978-93-90779-07-9
ISBN 10 :	9390779073
E-ISBN 13 :	978-93-90779-07-9
Edition :	Second
Pages :	500
Type of book :	Physical
Year :	2023
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 499.00
Categories :	Environmental Engineering, Environmental Engineering, Book Store
Condition Type :	New
Country Origin :	India

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4C/4344, Ansari Road, Daryaganj, New Delhi-110002
Email: contact@khannabooks.com | Tel: 011-2324 44 47 - 48 | Mobile: +91-99109 09320

Product Description

This book covers the syllabi of "Environmental Engineering" and " Public Health Engineering" of various Indian Universities. The book is recommended in AICTE model curriculum. The book has been divided in 3 parts; namely; Water Supply Engineering; Sewage Engineering Air Pollution Engineering.

The book is useful for Degree as well as Diploma students and is also likely to be useful for practising engineers in this field.

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- Environmental Engineering

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S.C. Sharma after graduation in 1966 joined as lecturer in Mechanical Engineering. He had been associated for more than 4 decades in various fields including learning and management of projects in India and abroad in different capacities. While working Hydro power projects for more than 15 years he has actively associated with various environmental and rehabilitation & resettlement issues and successfully resolved various complicated issues. He has also worked as consultant for matters related to safety, environment and R & R. He has written about a dozen books on subjects related to engineering and management including management of projects.

M.P. Poonia

Dr. M.P. Poonia is presently serving as Vice Chairman, All India Council for Technical Education (AICTE). Prior to this, he remained as Director, National Institute of Technical Teachers’ Training and Research (NITTTR), Chandigarh. Dr. Poonia is the recipient of Bharat Mata Award conferred by Indian Institute of Oriental Heritage (an International Institute of Oriental Studies and Research, Kolkata. Dr. M.P.Poonia is specialized in the field of Mechanical Engineering. He possesses a vast experience of 30 years. He has published 80 research papers in National and International Journals and published 8 books with M/s. Khanna Book Publishing Company.

Santosh Kumar

Prof. Santosh Kumar, Former Professor of Civil Engineering at the Bihar College of Engineering/NIT Patna, obtained his Bachelor's degree in Civil Engineering from Regional

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Institute of technology/NIT Jamshedpur and Master's degree from University of Roorkee/NIT Roorkee. Further he obtained Dip. H.E. From Delft University, Netherlands. He completed his Ph.D from Patna University. Prof. Kumar taught water resources related subjects for more than 40 years. During his tenure he successfully guided four Ph.Ds. and a record 28 M.Tech dissertations. He also produced more than 50 research papers. Later he also acquired advanced knowledge in Environmental Science. Dr. Kumar was picked up by the World Bank as a consultant to its projects in Bihar at FMISC, where he served for four years. He is a Fellow of Institution of engineers India; Chairman Indian Water Resources Society (Patna Chapter).

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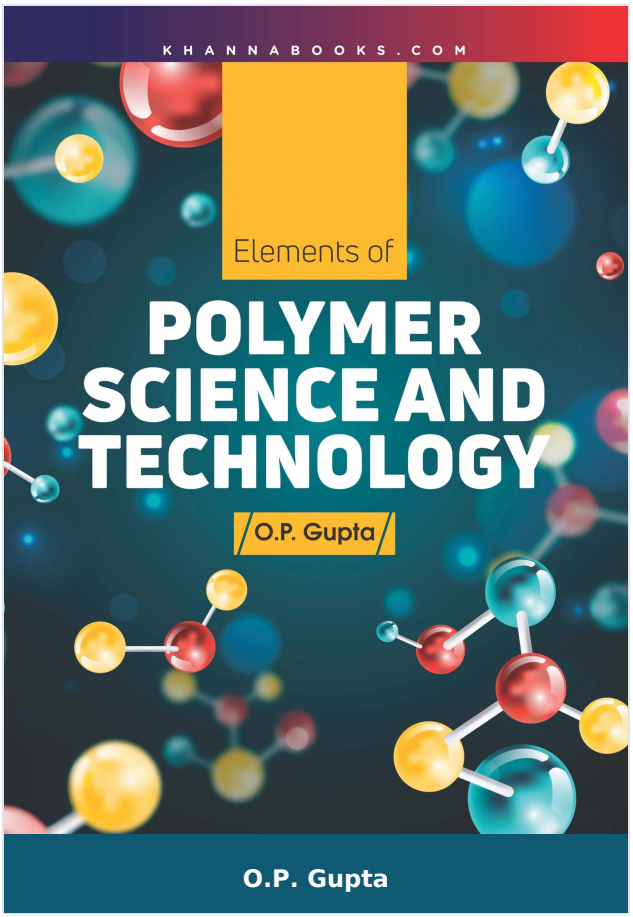

Elements of Polymer Science and Technology

Author :	O.P. Gupta
ISBN 13 :	978-93-55384-56-0
ISBN 10 :	9355384564
E-ISBN 13 :	978-93-55384-56-0
Edition :	1
Pages :	340
Type of book :	Physical
Year :	2025
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 475.00
Categories :	Chemical Engineering, New Arrivals, Book Store
Condition Type :	New
Country Origin :	India

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4C/4344, Ansari Road, Daryaganj, New Delhi-110002
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Product Description

This book covers the manufacture, properties of important polymers-plastics, rubbers & synthetic fibers. Important Information about various raw materials used for polymer industries, various polymers processing technologies & status of Indian polymer industry are also included. It also contains short questions & answers and multiple- choice questions & answers drawn from the examination papers of various engineering colleges for the benefits of the students.

This book is targeted to benefit the following:

1. Diploma in engineering student.
2. Degree in engineering students.
3. AMIE , AMIIM , AMIICHE Students.
4. MSc. & B.Sc. Students.
5. Faculty members and teaching staff.
6. Practicing engineers / Professionals.

The scope and coverage of subject matter presented can be gauged from glancing the contents portion of the book to judge its suitability and relevance for a particular target group of reader. Extensive use of internet resources has been made in gathering the relevant information and the subject matter has been presented in a simple, lucid and easy to understand manner for easy grasping of the subject.

Latest and updated information /data/ statistics pertaining to the subject matter has been included in this edition for the benefit of the readers.

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- Manufacture, Properties & Applications of Important Elastomers (Rubbers).
- Manufacture, Properties & Applications of Important Synthetic Fibers.
- Appendices

Author

O.P. Gupta

O.P. Gupta Om Prakash Gupta is basically being a chemical engineer, he has a practising experience of efficient Ennergy management and HR functions in steel Industry for more than three decades. privileged to be the youngest writer of technical books in the country (for he had written his first book at the age of 24 years while doing M. Tech. at I.I.T kanpur in 1979), he has authored many frontline books for engineering students. besides, being the regular faculty member in technical courses for Management Trainees (Technical), he has also visited england and france on a study tour sponsored by United Nations Development Programme (UNDP) to study the scope of energy conservation in steel plants in 1987.

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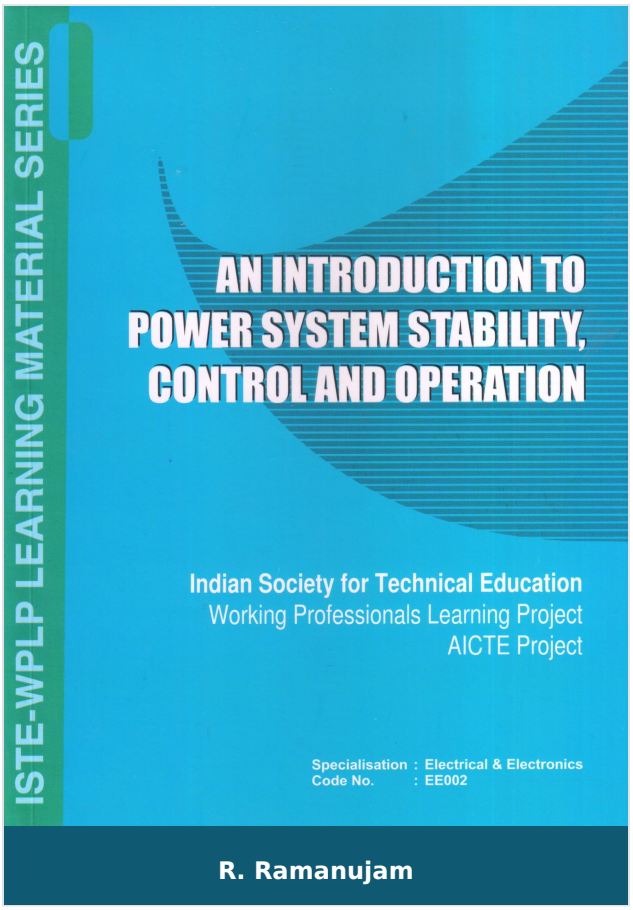

An Introduction to Power System Stability, Control and Operation

Author :	R. Ramanujam
ISBN 13 :	978-93-55384-32-4
ISBN 10 :	9355384327
E-ISBN 13 :	978-93-55384-32-4
Edition :	1
Pages :	142
Type of book :	Physical
Year :	2006
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 199.00
Categories :	Electrical, Electronics & Communication Engineering, Book Store, ISTE Series
Condition Type :	New
Country Origin :	India

Khanna Publishing House
4C/4344, Ansari Road, Daryaganj, New Delhi-110002
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Product Description

Power system in India have come a long way since independence. Growth of a power system indicates the health of the economy of a country. But it is accompanied by complexity and this complexity that power system stability and control are relevant.

This book is organized into two sections. " Power System Stability" is covered in the first three chapters and " Power System Control" in the latter part of the book. Power system stability is perhaps the earliest dynamic problem the power system engineering had to deal with. It was referred to as "hunting" then. Since then, volumes have been written on this topic and even a preliminary treatment of the entire contribution is clearly out of scope of this book.

This learning material is intended for the Electrical Engineering Graduates working professional in power utilities / Independent Power Plants (IPP) in the supervisory cadre and power system planning engineering / system operators / power transmission product manufacturers / Protection Engineers.

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- FOREWORD
- PREFACE
- Introduction to Stability and Control of Power Systems
- Power System Stability: Concepts and Classification
- Analysis of Power System Stability
- Control of Active Power and Frequency
- Control of Reactive Power and Voltage
- Power System Security
- Supervisory and Energy Management System

Author

R. Ramanujam

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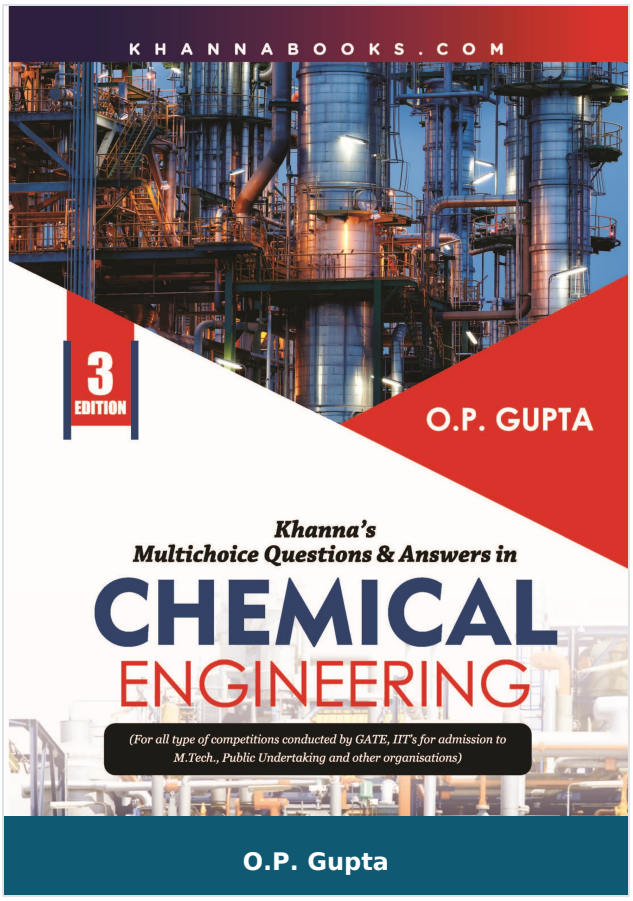

Khanna's Multi-Choice Questions and Answers in Chemical Engineering

Author :	O.P. Gupta
ISBN 13 :	978-93-55384-38-6
ISBN 10 :	9355384386
E-ISBN 13 :	978-93-55384-38-6
Edition :	3
Pages :	1100
Type of book :	Physical
Year :	2025
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 565.00
Categories :	OBJECTIVE TYPE BOOKS, Book Store
Condition Type :	New
Country Origin :	India

Product Description

This book designed comprehensively for chemical engineering graduates for their academic program, various competitive examinations & GATE examination will serve as a' Handbook of chemical Engineering'. It contain MCQ's drawn from the examination papers of various engineering college & GATE examination papers fully solved from 1990to 2025. Following subjects of chemical engineering have been covered for college examinations, competitive examinations & GATE examinations.

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- Fertiliser Technology
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- Mass Transfer
- Process Control and Instrumentation
- Chemical Engineering Thermodynamics
- Chemical Reaction Engineering and Reactor Design
- Fuels and Combustion
- Materials of Construction
- process Equipment Design
- Chemical Engineering Economics
- Nuclear power Engineering
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- Refractory Technology
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- Miscellaneous Question
- Chemical Process Calculation
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- Chemical Engineering Thermodynamics
- Process Control and Instrumentation
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- Transport Phenomena
- Chemical Technology
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Author

O.P. Gupta

O.P. Gupta Om Prakash Gupta is basically being a chemical engineer, he has a practising experience of efficient Ennergy management and HR functions in steel Industry for more than three decades. privileged to be the youngest writer of technical books in the country (for he had written his first book at the age of 24 years while doing M. Tech. at I.I.T kanpur in 1979), he has authored many frontline books for engineering students. besides, being the regular faculty member in technical courses for Management Trainees (Technical), he has also visited england and france on a study tour sponsored by United Nations Development Programme (UNDP) to study the scope of energy conservation in steel plants in 1987.

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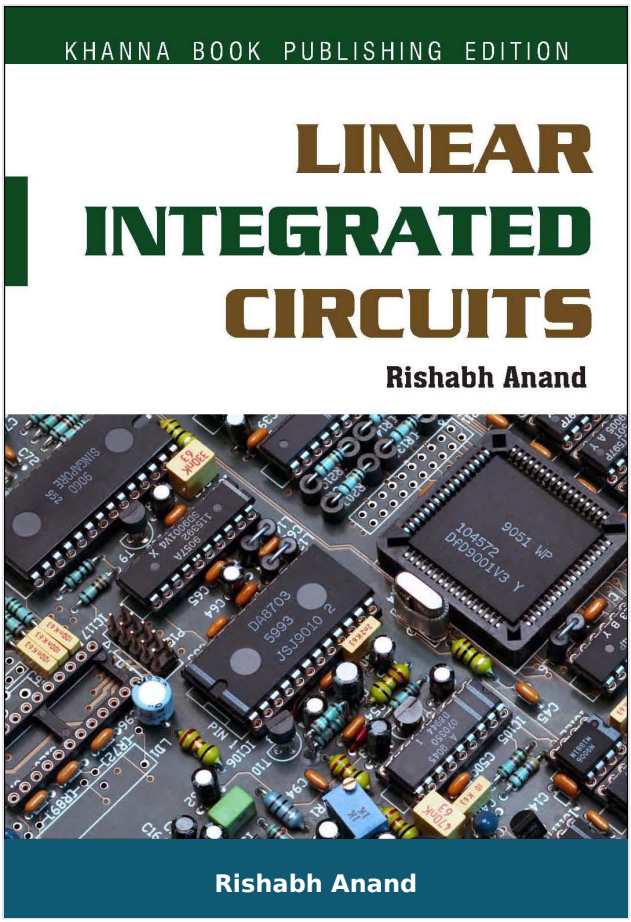

Linear Integrated Circuits

Author :	Rishabh Anand
ISBN 13 :	978-93-81068-93-9
ISBN 10 :	9381068933
E-ISBN 13 :	978-93-81068-93-9
Edition :	1
Pages :	616
Type of book :	Physical
Year :	2021
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 450.00
Categories :	Electrical, Electronics & Communication Engineering, Book Store
Condition Type :	New
Country Origin :	India

Khanna Publishing House
4C/4344, Ansari Road, Daryaganj, New Delhi-110002
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Product Description

Comprehensive coverage of the syllabus as prescribed by major technical Universities in India. Special emphasis on the applications of linear integrated circuits. Very lucid and simplified approach to understand the subject. Review question are included at the end of each chapter. These exercises allow students additional practice with each of the topics covered in the book. Moving from the unknown in a logical manner. numerous examples and illustrations are given that help and make it easy to learn some of the more complicated concepts.

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- Integrated Circuit Fabrication
- Differential Amplifiers
- Operational Amplifier And Its Characteristics
- Operational Amplifier Applications
- Active Filters
- Phase Locked Loop
- D-A And A-D Converters
- Waveform Generators
- Timer
- Bibliography

Author

Rishabh Anand

Rishabh Anand received his Bachelor‘s degree B.E (Hons) in Electronics and Communication Engineering from Maharishi Dayanand University, Rohtak in 2006. The author is M.Tech. in Electronics and Communication Engineering from Veer Bahadur Singh Purvanchal University, Jaunpur in 2014, and MBA from Indian Institute of Management, Kozhikode in 2016. The Author is Program Diploma in Innovation Management from International Business Management Institute, Germany (Berlin) in 2020. The author has contributed to research publications in refereed, cited International Conferences and Journals, and attended many conferences, workshops, FDPs, and seminars. Also, he is the reviewer member of IJSDR Journal. He is a prolific author with 34 Text and Reference books to his credit, for B. Tech. (ECE/CSE/IT), M.Tech. (ECE/CSE/IT), BCA, MCA, and other courses of different Universities of India and overseas. His areas of interest include

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Software Project Management, Cloud Computing, Deep Learning, Tensor Flow, Python, R Programming and Machine Learning. He is currently working in ITES industry as a Global Service Delivery Manager. He is Project Management Professional (PMP)®, ITIL® Foundation Certificate in IT Service Management, PRINCE2® Practitioner Certification - Project Management, ScrumMaster® (CSM®), Certified Six Sigma White Belt (CSSWB™), Lean Six Sigma White Belt Certified (LSSWBC™) and Certified Six Sigma Green Belt™ (CSSGB™). The author delivers lectures as Visiting Faculty (Assistant Professor) in the Global Institute of Technology and Management, Farrukh Nagar, Gurgaon.

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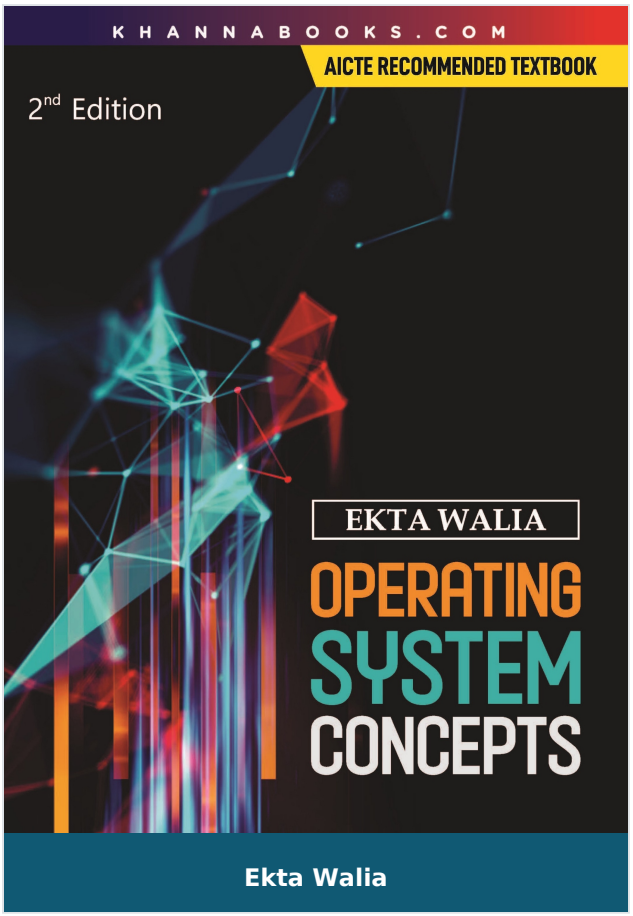

Operating System Concepts

Author :	Ekta Walia
ISBN 13 :	978-93-80016-65-8
ISBN 10 :	9380016654
E-ISBN 13 :	978-93-80016-65-8
Edition :	Second
Pages :	360
Type of book :	Physical
Year :	2025
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 425.00
Categories :	Computer Science Engineering, UNIVERSITY RECOMMENDED, Computer Science Engineering, Book Store
Condition Type :	New
Country Origin :	India

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4C/4344, Ansari Road, Daryaganj, New Delhi-110002
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Product Description

This is a revised edition of the eight years old popular book on operating System Concepts. In Addition to its previous contents, the book details about operating system foe handheld devices like mobile platforms. It also explains about upcoming operating systems with have interface in various Indian language. In addition to solved exercises of individual chapters, the revised version also presents a question bank of most frequently asked questions and their solutions. Value addition has been done in almost all the 14 chapters of the book.

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- Operating System : An Introduction
- Computer System Structures
- Operating System Structures
- Introduction To Processes
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- Process Synchronization
- Dealing with Deadlocks
- Memory Management Basics
- Managing Virtual Memory
- File System Interface and Implementation
- Device Management and Storage Structures
- Protection Security
- Operating System for Distributed Systems
- Case Studies- UNIX and Windows NT
- Solution to Selected Exercise
- Frequently Asked Questions and their Solutions
- Index

Author

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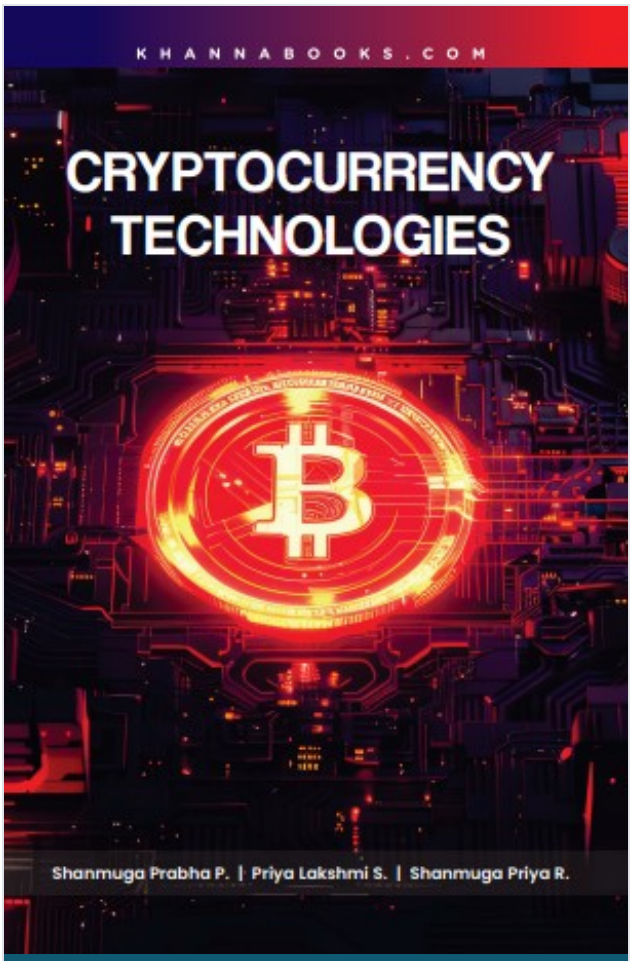

Shanmuga Prabha P., Priya Lakshmi S., Shanmugaa Priyaa R.

Cryptocurrency Technologies

Author :	Shanmuga Prabha P., Priya Lakshmi S., Shanmugaa Priyaa R.
ISBN 13 :	978-93-55383-61-7
ISBN 10 :	9355383614
E-ISBN 13 :	978-93-55383-61-7
Edition :	First
Pages :	192
Type of book :	Physical
Year :	2026
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 298.00
Categories :	New Arrivals, Book Store, Sathyabama Series
Condition Type :	New
Country Origin :	India

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Product Description

Cryptocurrency Technologies

This book addresses the explosive growth of digital money, which has resulted in an entirely novel phase of decentralized structures, led prominently by the advancements in Bitcoin. As Bitcoin has evolved from an innovative concept into a multi-trillion-dollar business, it fundamentally challenges existing finance paradigms and recasts the concept of trust in digital communication.

Serving as a crucial, detailed resource, this text offers a comprehensive guide to the fundamental concepts, technological advances, and practical implications of digital currencies. It provides a detailed overview of the industry's current condition and possibilities for the future, covering essential topics such as blockchain basics, smart contracts, decentralized finance (DeFi), and emerging digital currency tendencies. Crucially, the text extends beyond core technology to explore the practical uses, legal issues, and wider societal ramifications of decentralized digital assets.

The book's mission is to equip individuals with the knowledge required to engage in and recognize the underlying bitcoin system, guiding readers through the complexity of cryptocurrency technologies in a simple and practical manner. The target audience is broad, encompassing complete beginners, enthusiasts, sector specialists, learners, researchers, programmers, and investors who seek to comprehend the foundations of this constantly evolving world. This academic yet friendly resource provides the necessary understanding to leverage the power of decentralized digital records.

Salient Features:

- **Core Fundamentals**: Systematic review of physical money, digital money, fiat currencies, and interbank payment systems, setting the essential historical context for decentralized finance.

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- Cryptography and Blockchain Technology
- Cryptocurrency and Blockchain Technology
- Ethereum and Solidity
- Cryptocurrency Regulation and Blockchain Application

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Shanmugaa Priyaa R.

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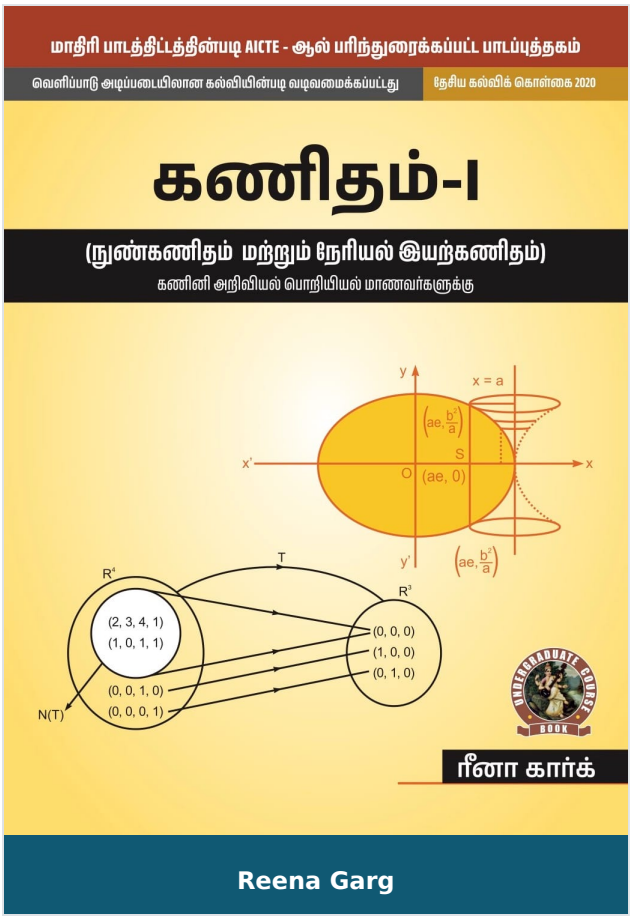

Mathematics-I (Calculus and Linear Algebra) For Computer Science Engineering Branches

Author :	Reena Garg
ISBN 13 :	978-93-91505-84-4
ISBN 10 :	9391505848
E-ISBN 13 :	978-93-91505-84-4
Edition :	First
Pages :	476
Type of book :	Physical
Year :	2022
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 395.00
Categories :	AICTE Prescribed Textbooks, Tamil Books, Book Store, Ebooks
Condition Type :	New
Country Origin :	India

Product Description

Calculus and Linear Algebra cover all the modules prescribed by AICTE model curriculum to all the 1st year CSE students studying in engineering institutions and universities of the country. It serves as both text book /or useful reference work. It contains 5 units which included calculus, Algebra and vector spaces along with their applications. This renowned and well respected title provides in one handy volume with the essential mathematical tools that help in understanding the subject and problem solving techniques with many real life engineering applications. As per trademark of AICTE. This book is in student's friendly style, author has endeavored enormous efforts in providing numerous solved examples and exercise under each topic to facilitate better understanding of the concepts to the students. Majority of questions in this book have been designed to access the reader's understanding of the subject professionals or those who are preparing for competitive examinations will also find this book very useful. This book will give the students a complete grasp of the mathematical skills that are needed by engineers all over the country.

Some Salient Features of the Book:

1. In depth coverage of all related, essential and mentioned topics as per AICTE in simple presentation with clarity and accuracy.

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6. Some standard problems with sufficient hints have been included in each exercise to gauge the student's visual understanding and for grasp the theory.

7. Video links, interesting facts, uses of ICT also included after each topic in every unit for easy understanding of the readers. Also included the pictorial representations of many topics for fast and permanent grasping of the content.

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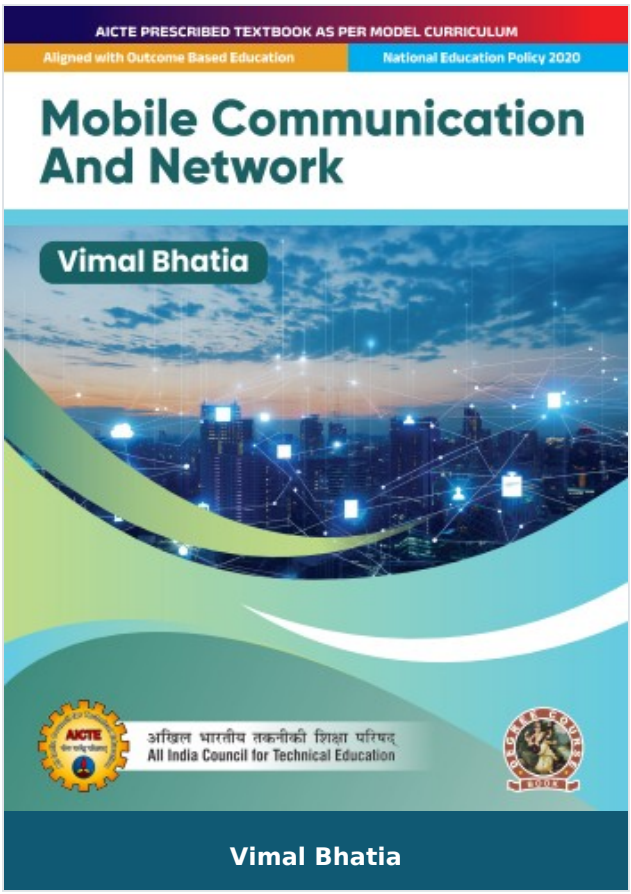

Mobile Communication and Networks

Author :	Vimal Bhatia
ISBN 13 :	978-93-55389-16-9
ISBN 10 :	9355389167
E-ISBN 13 :	978-93-55389-16-9
Edition :	First
Pages :	216
Type of book :	Physical
Year :	2026
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 398.00
Categories :	AICTE Prescribed Textbooks, English Books, Book Store
Condition Type :	New
Country Origin :	India

Product Description

Mobile Communication and Networks

This book familiarizes students with different domains of electronics communication. The main purpose of this book is to help students and researchers understand the basics of signal processing concepts. The content is aligned with the model curriculum of AICTE and follows the concept of outcome-based education as per the National Education Policy (NEP) 2020.

Salient Features:

- The content of the book is aligned with the mapping of Course Outcomes, Program Outcomes, and Unit Outcomes.
- At the beginning of each unit, learning outcomes are listed to help students understand what is expected of them after completing the unit.
- The book provides lots of recent information, QR codes for resources, projects, and more.
- Figures, tables, and software screenshots are included to enhance the clarity of the topics.
- Many solved examples are included in each chapter to improve the numerical solving skills of students.
- Exercises are provided for student practice after every chapter.
- Applications and standards for Mobile Communication and Networks are included.

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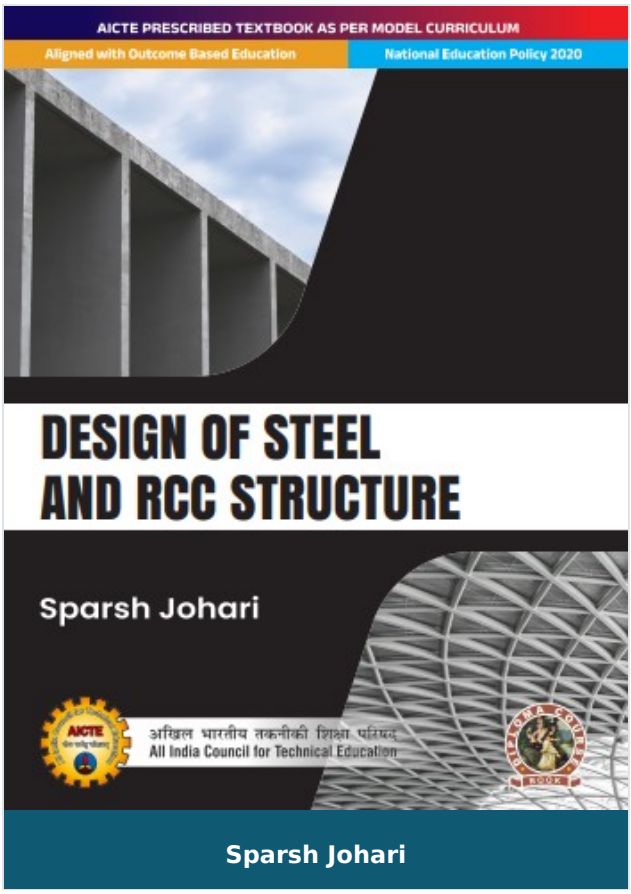

Design of Steel and RCC Structure

Author :	Sparsh Johari
ISBN 13 :	978-93-55388-36-0
ISBN 10 :	9355388365
E-ISBN 13 :	978-93-55388-36-0
Edition :	First
Pages :	188
Type of book :	Physical
Year :	2026
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 298.00
Categories :	AICTE Prescribed Textbooks, English Books, Book Store
Condition Type :	New
Country Origin :	India

Product Description

Design of Steel and RCC Structure

This book – Design of steel and RCC Structures – covers various topics relevant to construction work. It includes on introduction to steel and RCC structures, philosophies of designing beams and columns, use of the Limit state Method in designing the RCC members, shear and bond strength, and designing the development length. In addition, a detailed design of axially loaded RCC columns is also included in the book.

Salient features:

- Content of the book aligned with the mapping course outcomes, programs and Units Outcomes.
- In the beginning of each unit learning outcomes are listed to make the student understand what is expected out of him/her after completing that unit.
- Book provides lots of recent information, interesting facts, QR code for E-resources, QR code for use of ICT, projects, group discussion etc.
- Student and teacher centric subject materials included in book with balanced and chronological manner.
- Figures, tables, and software screen shots are inserted to improve clarity of the topics.
- questions are given for practice of students after every chapter.
- Solved numerical problems are illustrated in the chapters.

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- Shear, Bond, and Development Length in The Design of RCC Member
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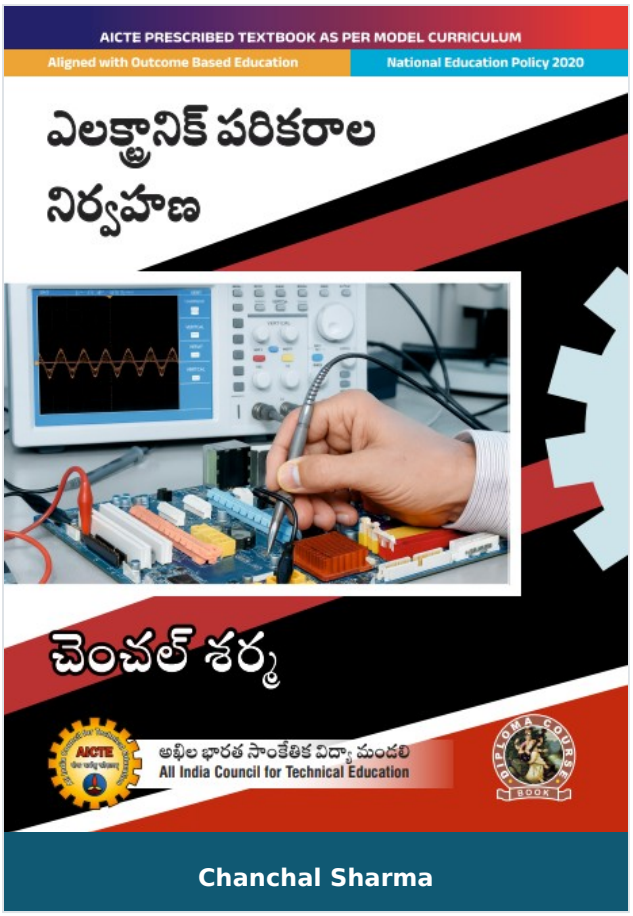

Electronic Equipment Maintenance

Author :	Chanchal Sharma
ISBN 13 :	978-93-55386-60-1
ISBN 10 :	9355386605
E-ISBN 13 :	978-93-55386-60-1
Edition :	First
Pages :	248
Type of book :	Physical
Year :	2026
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 398.00
Categories :	AICTE Prescribed Textbooks, Telugu Books, Book Store
Condition Type :	New
Country Origin :	India

Product Description

Electronic Equipment Maintenance

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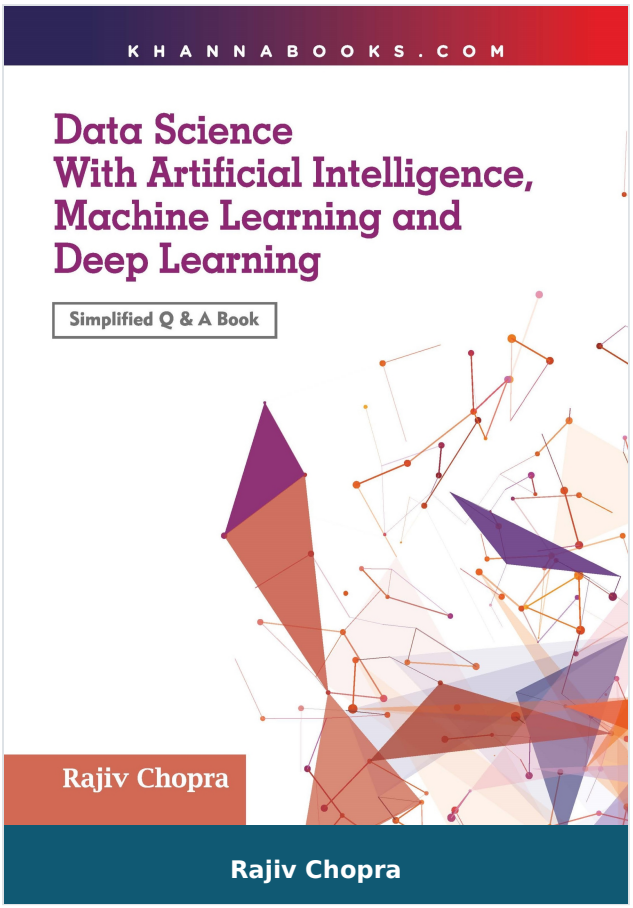

Data Science with Artificial Intelligence, Machine Learning and Deep Learning

Author :	Rajiv Chopra
ISBN 13 :	978-93-55380-82-1
ISBN 10 :	9355380828
E-ISBN 13 :	978-93-55380-82-1
Edition :	First
Pages :	956
Type of book :	Physical
Year :	2023
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 750.00
Categories :	Computer Science Engineering, OBJECTIVE TYPE BOOKS, Book Store
Condition Type :	New
Country Origin :	India

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Product Description

The Present book takes a student from "unknown to known" and " simple to complex" principles of Data Science. This book is user-friendly, thought provoking and stimulating. It helps in clearing the cobwebs of the mind and the subject. The style used is lucid and un-adulterated. What stands out is the stark simplicity with which the ideas have been portrayed.

A good book should teach the customary and effective ways to structure your code in such a way that data engineering is not havoc. Python is an object-oriented programming language that is used in this book .

The book is divided in to 4 Units:-

Unit-1 has 15 chapters on Artificial Intelligence.

Unit-2 has 7 chapters that explain Machine Learning and IOT.

Unit-3 has 10 chapters each focusing on DEEP Learning.

Unit-4 has 1 chapter that explain Data Sciences.

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