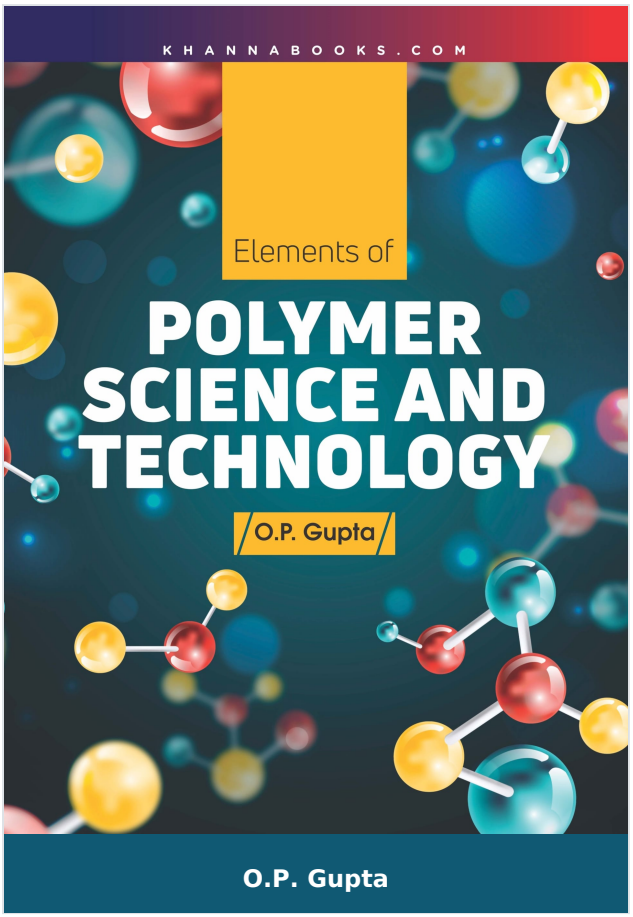


Elements of Polymer Science and Technology

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

Khanna Publishing House
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 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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Table Of Contents

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

Author

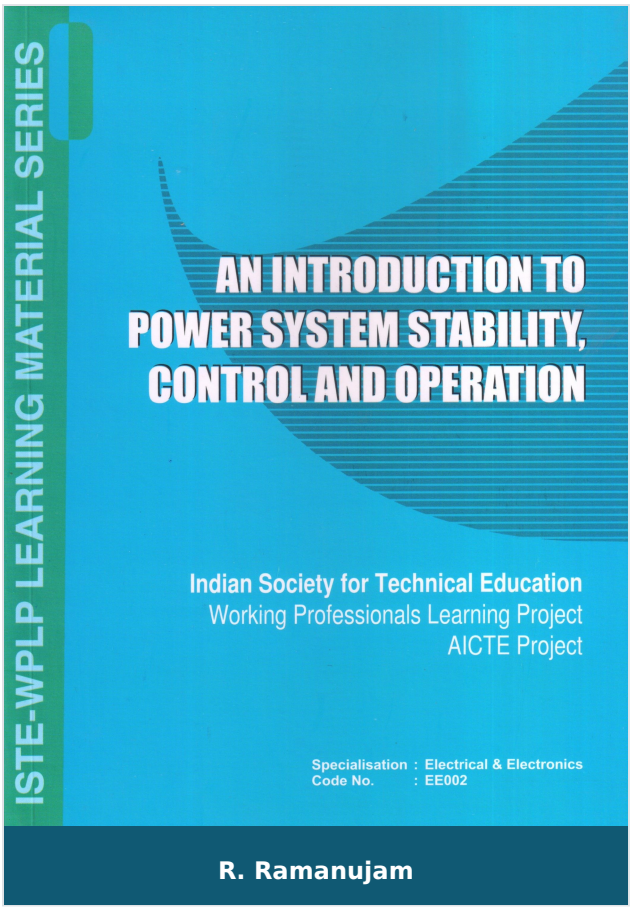
O.P. Gupta

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

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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Table Of Contents

- 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

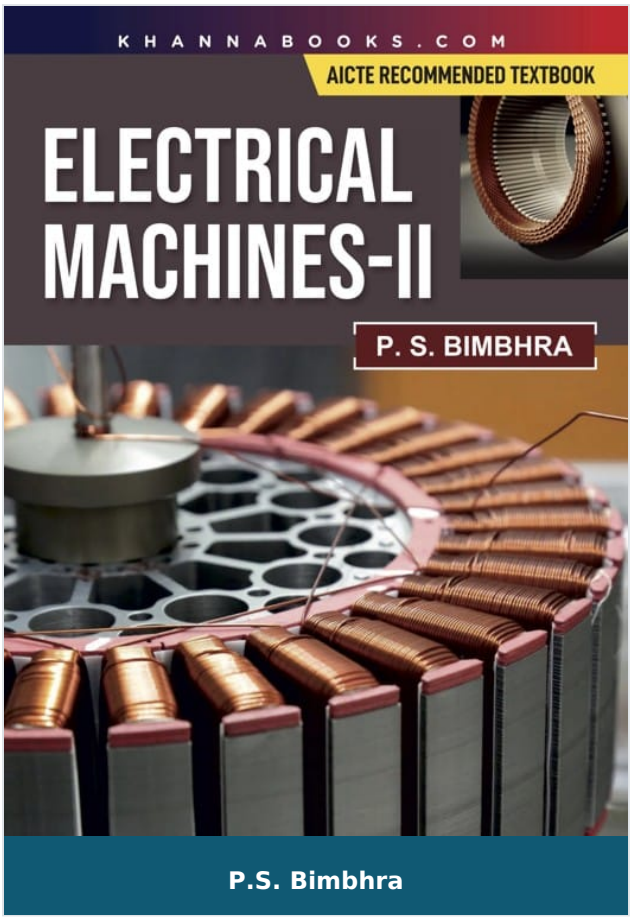
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Electrical Machines - II

Author :	P.S. Bimbhra
ISBN 13 :	978-93-86173-60-7
ISBN 10 :	9386173603
E-ISBN 13 :	978-93-86173-60-7
Edition :	First
Pages :	168
Type of book :	Physical
Year :	2025
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 332.00
Categories :	Electrical, Electronics & Communication Engineering, UNIVERSITY RECOMMENDED, Electrical, Electronics & Communication Engineering, Book Store
Condition Type :	New
Country Origin :	India

Product Description

This book on "Electrical Machines-II" is intended to serve as a text book for the students of Electrical Engineering in general and for those studying in institutions where AICTE model curriculum has been adopted. This book serves as a supplement to the already published book on "Electrical Machines-I". The topics covered in this book pertain to the syllabus contents as prescribed by AICTE for the course on "Electrical Machines II".

Chapter 1. Describes the fundamental of AC machine windings. Here general terms associated with armature winding are defined first. Then, air-gap mmf waves produced by concentrated and distributed windings are explained. Concepts of winding factor is also given in this chapter.

Chapter 2. Describes the concepts of constant magnetic field, pulsating magnetic field and rotation magnetic field.

Chapter 3. Three-phase induction motor is described in detail so far as its constructional features, principle of operation, rotor and stator equivalent circuits and torque-slip characteristics are three-phase induction generator working and doubly-fed induction machines.

Chapter 4: Constructional features, principle of operation, double-revolving field theory and starting methods of single-phase induction motor are described.

Chapter 5. Pertains to the analysis of three-phase synchronous machines. In this chapter both cylindrical-rotor type and salient-pole type machines are discussed in detail. Steady-state phasor diagram of each type is developed for analysis purposes. Steady-state power-angle characteristics and operating characteristics are also presented in this chapter.

The book contains a large number of worked examples to highlight the principles and concepts of the topics covered in this book. Unsolved problems at the end of each

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chapter are included for practice. Objective type questions included at the end of each chapter will help the readers to evaluate their comprehension of the chapter topics.

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Table Of Contents

- Chapter-1: Fundamentals of AC machine windings
- Chapter-2: Pulsating and revolving magnetic fields
- Chapter-3: Induction Machines
- Chapter-4: Single- Phase Induction motors
- Chapter-5: Synchronous machines

Author

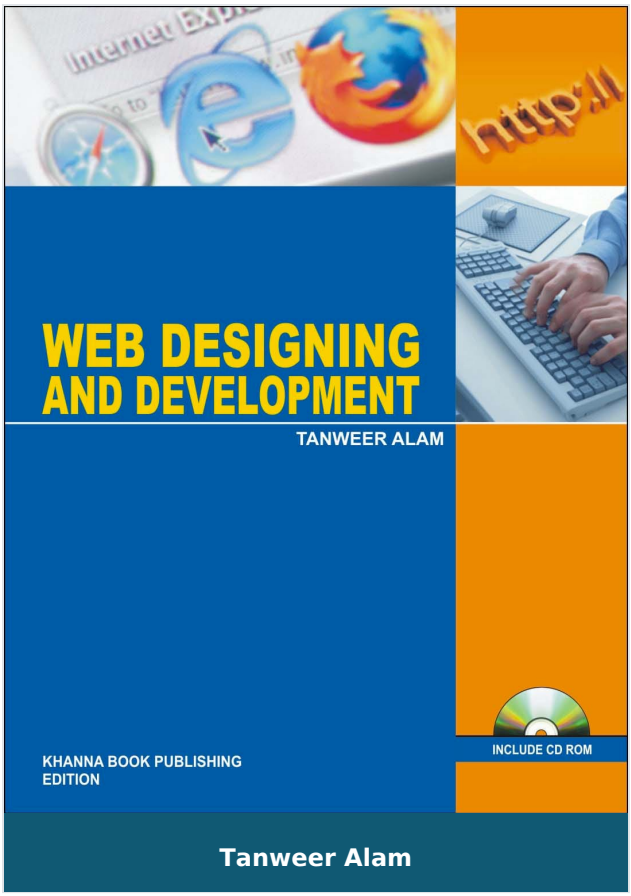
P.S. Bimbhra

Dr. P.S. Bimbhra retired as a professor of Electrical and Electronics Engineering from T.I.E.T. Patiala. A graduate of Punjab Engineering College, Chandigarh, he received his M.E. (Hons.) and Ph.D. from IIT Roorkee. He is fellow of the Institution of Engineers and a life member of ISTE. His areas of current interests include Electrical Machines, Power Electronics and Electric Drives.

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Web Designing and Development

Author :	Tanweer Alam
ISBN 13 :	978-93-80016-87-0
ISBN 10 :	9380016875
E-ISBN 13 :	978-93-80016-87-0
Edition :	1
Pages :	304
Type of book :	Physical
Year :	2013
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 275.00
Categories :	Computer Science Engineering, Book Store
Condition Type :	New
Country Origin :	India

Product Description

This book deals with the fundamental of web programming. This book will be of great help to web developers who are not already familiar with web programming. This can upgrade their skills through this book and achieve great height in the world of web programming. The objective of this book is to promote that future by spreading the use of the websites as widely as possible. It is also integral to the internet applications and other e-business solutions that that are the foundation of corporate computing. this book is divided into a number of chapters. Each chapter is a self contained area. The chapters in this book are arranged in a sequence order. The programs presented in this book are just to understand the application. The objective of this book is the serve as a textbook in various course viz. B. Tech/MCA/BCA/M.Sc., etc.

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Table Of Contents

- Internet
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- XML
- Java Script
- Java
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- Mini Website

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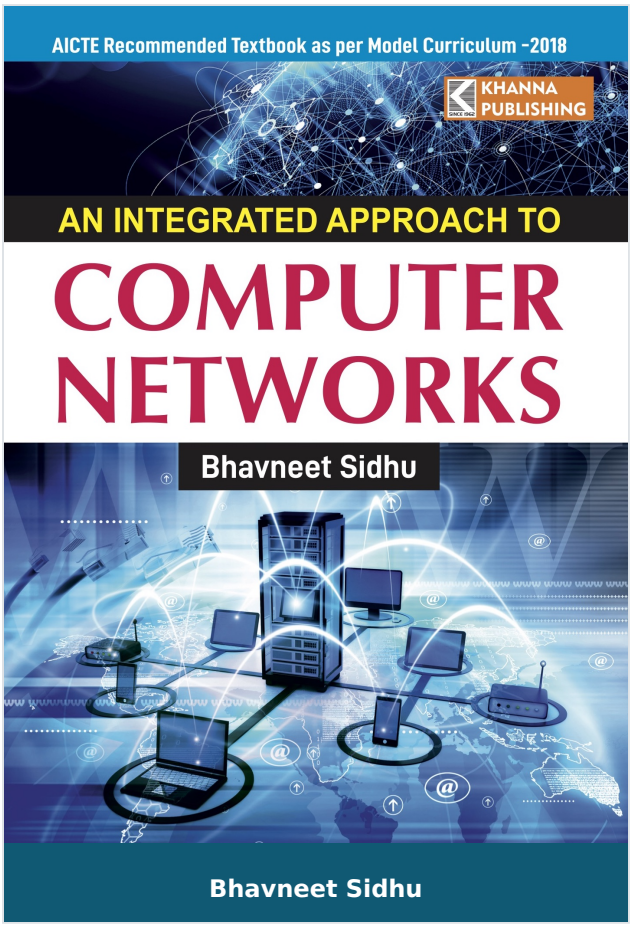
Tanweer Alam

Tanweer Alam has an experience of more than seven years in the Teaching field. Currently, He is working at MCA Department, Meerut Institute of Engineering and Technology, Meerut. He has got his MCA Degree in 2003 from UP Technical University, Lucknow, UP. He has got his Master Degree in Mathematics in 2000 from CCS University, Meerut, UP. He has got his MPhil Degree in Computer science in 2007 from MKU, Madurai. He is also MTech in IT and currently, He is doing PhD in Computer Science & Engineering. He presents more than thirty research papers in various reputed national/international Conferences/Journal.

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An Integrated Approach to Computer Networks

Author :	Bhavneet Sidhu
ISBN 13 :	978-81-87325-72-7
ISBN 10 :	8187325720
E-ISBN 13 :	978-81-87325-72-7
Edition :	1
Pages :	584
Type of book :	Physical
Year :	2021
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 525.00
Categories :	Computer Science Engineering, UNIVERSITY RECOMMENDED, Computer Science Engineering, Book Store
Condition Type :	New
Country Origin :	India

Khanna Publishing House
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Product Description

Computer networks have become essential part of modern computing. As a designer, developer, programmer, or user it is absolutely necessary to have a good understanding of the concepts and techniques involved in these modern networking technologies, This book treats the Network as a system composed of inter related building blocks, giving students and professionals the best possible conceptual foundation for better understanding of current networking technologies as well as the further technologies of the industries.

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Table Of Contents

- Introduction to Computer Networks
- Network Topologies
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- Switching Principles
- Multiplexing Techniques
- Telephone System and ISDN Services
- Data Link Layer
- Multiple Access Protocols
- Introduction to LAN and MAN Protocols
- Network Layer
- Internetworking Devices
- Transport Layer
- Session and Presentation Layer
- Application Layer
- Network Security
- Some Network Standards

Author

Bhavneet Sidhu

Mrs. Bhavneet Sidhu is presently working as a Lecturer of Computer Science Department of computer science and Technology at Guru Nanak Dev University, Amritsar (Punjab).

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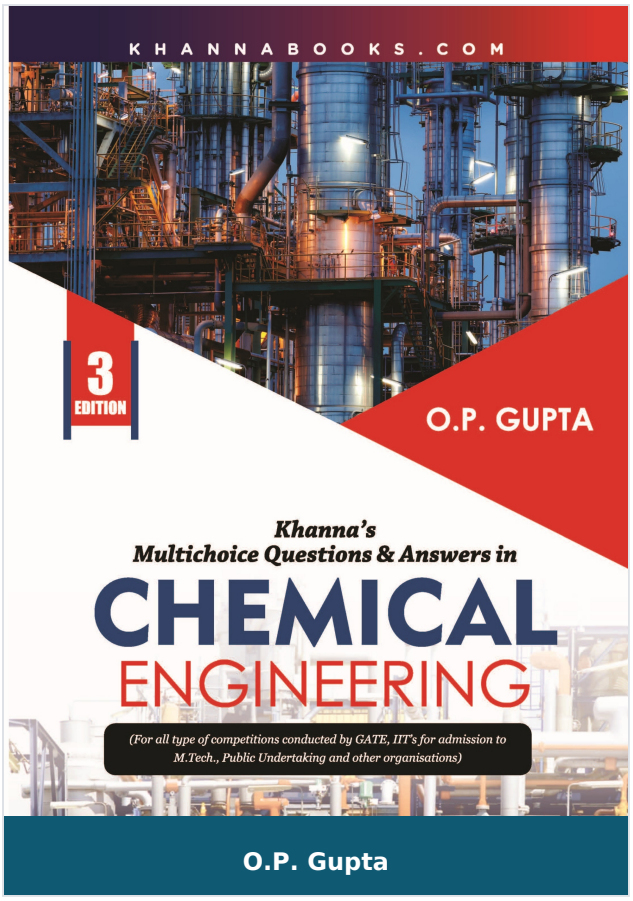
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She obtained her MCA degree from Guru Nanak Dev University, Amritsar in 2001. She has over four years of teaching experience. She has been teaching computer Networks for the last three years and during this time she developed keen interest in networking and was inspired to write a book on this field. She has written this book keeping in view the interest and the needs of the students.

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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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Table Of Contents

- Section-I (MCQ of Chemical Engineering Subjects)
- Fluid mechanics
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- Mechanical Operations
- Chemical Process Industries (Chemical Technology)
- Petroleum Refinery Engineering
- Fertiliser Technology
- Heat Transfer
- Mass Transfer
- Process Control and Instrumentation
- Chemical Engineering Thermodynamics
- Chemical Reaction Engineering and Reactor Design
- Fuels and Combustion
- Materials of Construction
- process Equipment Design
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- Environmental Engineering
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- Chemical Process Calculation
- Fluid mechanics
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- Mechanical Operations
- Transport Phenomena
- Chemical Technology
- Chemical Engineering Plant Economics
- Process Equipment & Plant Design
- Dimensionless Numbers
- Materials of Construction
- Chemical Engineering Fundamentals
- Section -III (Interview Questions & Answers)
- Interview Questions & Answers
- Section-VI (Year wise GATE Questions & Answers From 2011 to 2021)
- GATE-2011
- GATE-2012
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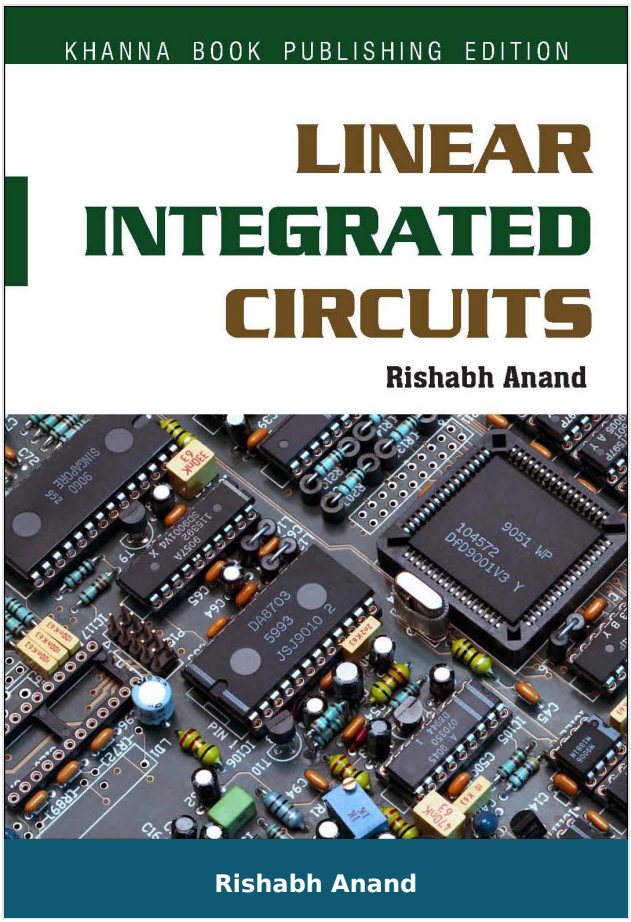
O.P. Gupta

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

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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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Table Of Contents

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- 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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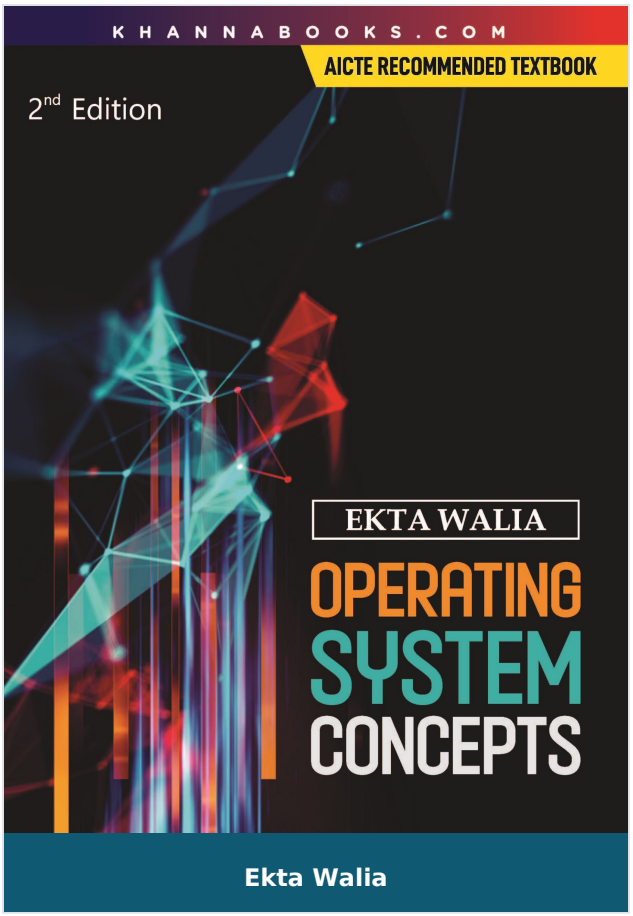
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Software Project Management, Cloud Computing, Deep Learning, Tensor Flow, Python, R Programming and Machine Learning. He is currently working in ITES industry as a Global Service Delivery Manager. He is Project Management Professional (PMP)®, ITIL® 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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Email: contact@khannabooks.com | Tel: 011-2324 44 47 - 48 | Mobile: +91-99109 09320

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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Table Of Contents

- Operating System : An Introduction
- Computer System Structures
- Operating System Structures
- Introduction To Processes
- CPU Scheduling
- 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

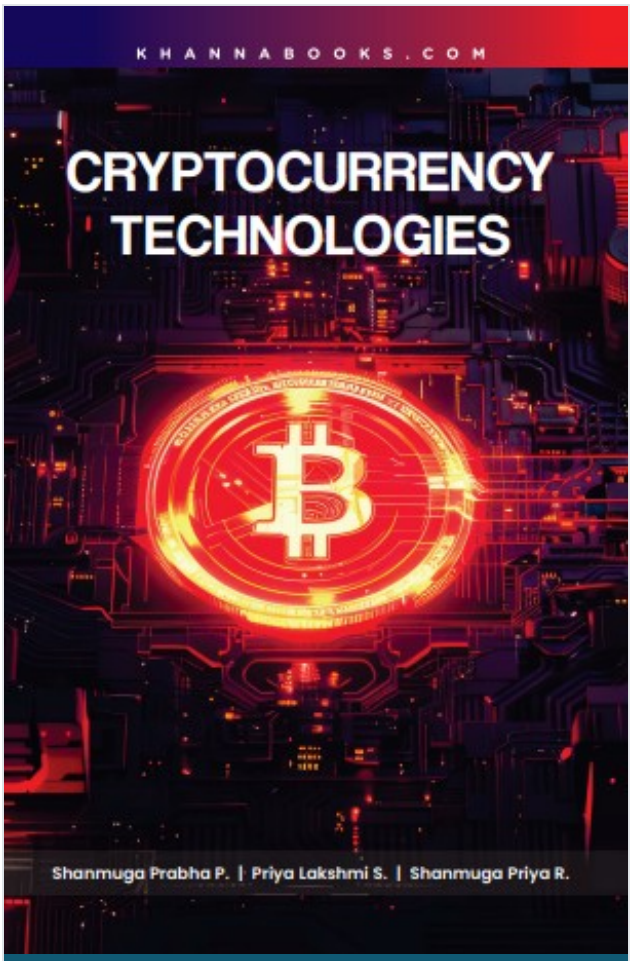
Ekta Walia

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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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- **Advanced Cryptography**: Dedicated coverage of cryptographic tools crucial for blockchain security, such as Hash Functions, Digital Signatures (ECDSA), and the principle of Zero Knowledge Proof.
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- **Bitcoin and Ethereum**: In-depth units on the primitives and workings of Bitcoin (including mining and decentralization) and the Ethereum ecosystem, which revolutionized smart contracts.
- **Smart Contract Development**: Practical instruction on programming Smart Contracts on Ethereum and an overview of the specialized object-oriented Solidity Language used for development.
- **Regulatory Framework**: A comprehensive unit on the Legal Aspects and Regulation of cryptocurrency, discussing stakeholders, exchanges, and its impact on the black market and global economy.
- **Emerging Applications**: Exploration of real-world use cases, including the integration of blockchain with the Internet of Things (IoT), Medical Records Management Systems, and the future trends of the technology.

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Table Of Contents

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

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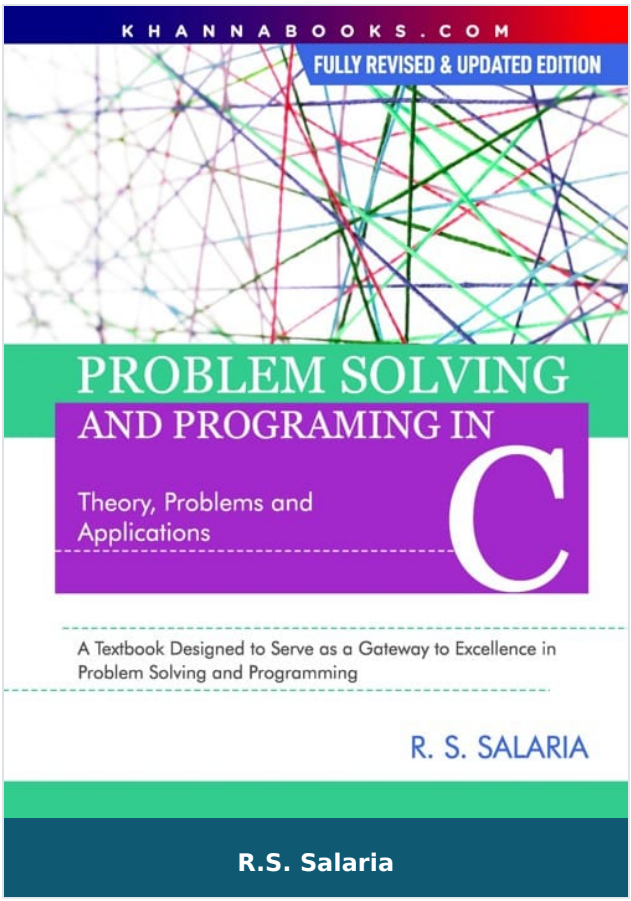
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Problem Solving and Programming in C

Author :	R.S. Salaria
ISBN 13 :	978-93-82609-49-0
ISBN 10 :	9382609490
E-ISBN 13 :	978-93-82609-49-0
Edition :	Fifth
Pages :	522
Type of book :	Physical
Year :	2023
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 425.00
Categories :	Computer Science Engineering, Book Store
Condition Type :	New
Country Origin :	India

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Product Description

The subject of Programming in C is an integral part of curriculum of all universities and institutes offering undergraduate and postgraduate and program in Computer Science and Information Technology leading to the degree of BE/B Tech, BSc(IT), BCA, MSc(IT), MSc(CS) and MCA.

This book is designed to serve as a textbook for the students taking these program of study. The book lays more emphasis on developing the skill of problem solving and program design, which are pre-requisites to programming.

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Table Of Contents

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- Overview of C Language
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- Operators and Expressions
- Standard Input/ Output
- Decision Making Statements
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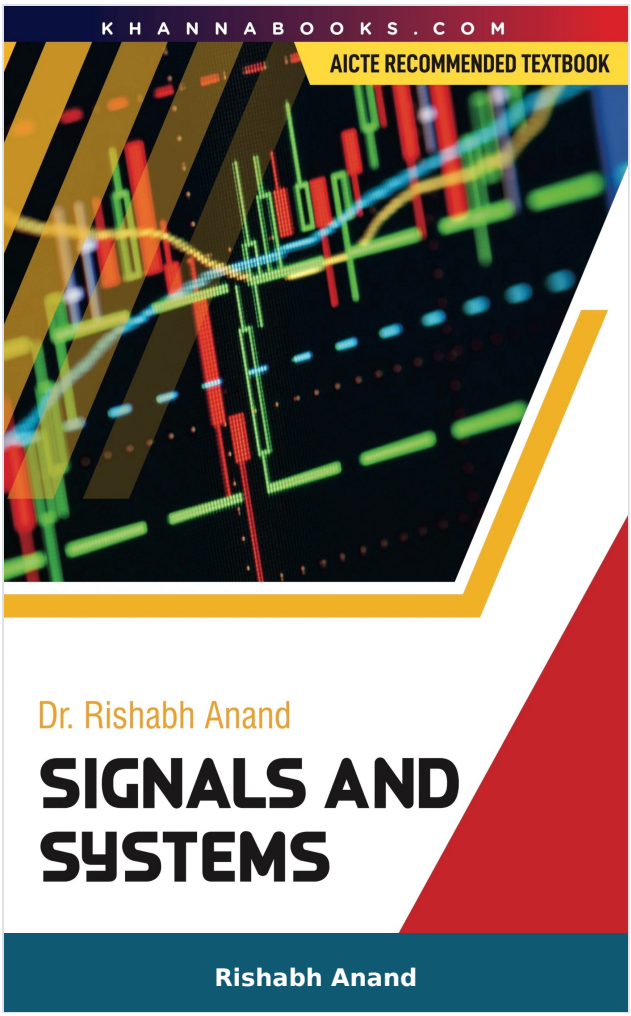
R.S. Salaria

Prof. R.S. Salaria is a superior teacher, a prolific author and a great motivator. He is an alumnus of IIT, Delhi. He is a Certified Software Quality professional by Ministry of Information Technology, Govt. of India: Sun Certified Programmer as well as Sun Certified Trainer by SUN Microsystems. He is a life member of computer society of India, Mumbai: Institution of Electronics and Telecommunication Engineers, New Delhi: Indian Society for Technical Education, New Delhi: Punjab Academy of Sciences, Patiala. Presently, he is talking initiatives to Sensitize the citizens of this great country about their fundamental responsibilities towards society and seeking their contributions to make the society a wonderful place for happy and peaceful living. </p

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Signals And Systems

Author :	Rishabh Anand
ISBN 13 :	978-93-86173-53-9
ISBN 10 :	9386173530
E-ISBN 13 :	978-93-86173-53-9
Edition :	First
Pages :	716
Type of book :	Physical
Year :	2025
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 725.00
Categories :	Electrical, Electronics & Communication Engineering, UNIVERSITY RECOMMENDED, Electrical, Electronics & Communication Engineering, Book Store
Condition Type :	New
Country Origin :	India

Product Description

This book presents the theory and concepts of signals and systems through analytical examples in a simple and lucid manner. It is designed for under graduate students of electronics and communication engineering, telecommunications engineering, electronics and instrumentation engineering, and electrical and electronics engineering. The book will also be useful to AMIE students. Written with student-centered, pedagogically driven approach, the text provides a self-contained introduction to the theory of signals and systems. This book looks at the concepts of systems, and also examines signals and the way that signals interact with physical systems. It covers topics ranging from basic signals and systems to signal analysis, properties of continuous-time Fourier transforms including Fourier transforms of standard signals, signal transmission through linear system, relation between convolution and correlation of signals, sampling theorems and techniques, and transform analysis of LTI systems. All the solved and unsolved problems in this book are designed to illustrate the topics in a clear way.

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Table Of Contents

- Ch -1 Introduction to Signals and Systems
- Ch -2 Linear Time invariant Continuous- Time and Discrete-time Systems
- Ch -3 Fourier Series of Continuous-Time Signals or Continuous-Time Fourier Series(CTFS)
- Ch -4 Discrete-Time Fourier Series (DTFS)
- Ch -5 Continuous-Time Fourier Transform (CTFT)
- Ch -6 The Discrete-Time Fourier Transform (DTFT)
- Ch -7 The Discrete Fourier Transform (DFT)
- Ch -8 Fast Fourier Transform (FFT) Algorithms
- Ch -9 The Laplace Transform
- Ch -10 z-Transform
- Ch -11 Characterization of Signals and Systems in Time and Frequency-Domain
- Ch -12 Sampling of Continuous-Time Signals
- Ch -13 Sampling of Discrete-time Signals

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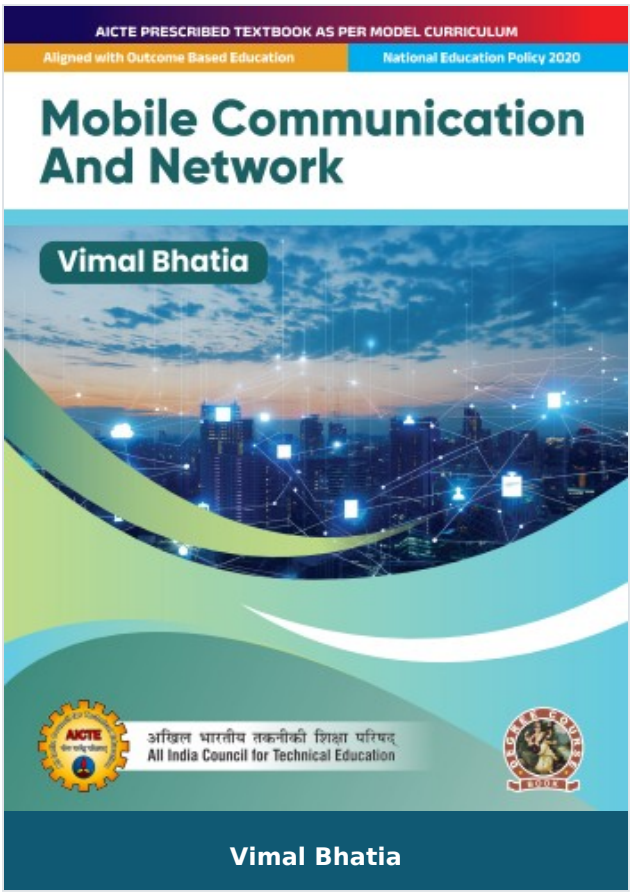
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Mobile Communication and Networks

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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Table Of Contents

- Foreword
- Acknowledgement
- Preface
- Outcome Based Education
- Course Outcomes
- Guidelines for Teachers
- Guidelines for Students
- Abbreviations and Symbols
- List of Figures
- CELLULAR CONCEPTS
- SIGNAL PROPAGATION
- CAPACITY OF FLAT AND FREQUENCY SELECTIVE CHANNELS
- MULTIPLE ACCESS TECHNIQUES
- RECEIVER STRUCTURE
- MULTIPLE-INPUT MULTIPLE-OUTPUT
- CO attainment table
- Index

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