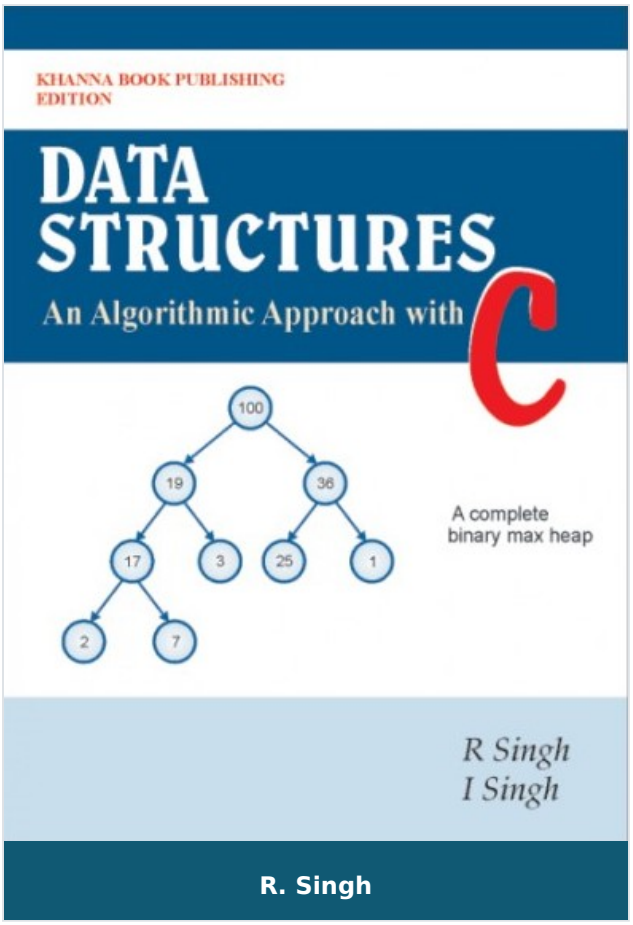


Data Structures - An Algorithmic Approach with C

Author :	R. Singh
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E-ISBN 13 :	978-93-80016-69-6
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M.R.P :	Rs 395.00
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Condition Type :	New
Country Origin :	India

Product Description

Each chapter begins with an outline an overview, and a list of learning objective. Extensive coverage of data Structure basics, pictorial representation of each and every Data Structures in given in detail. Brief introduction to C language, various types of data structures and analysis of algorithms complexity is covered. Demonstration the development of algorithms is a lucid manner. Includes numbers illustrative examples to understand the topic easily. Demonstrates the implementation of algorithms in a good programming style. Objective-type questions have been provided. Around 200 solved C programs and algorithms are included. Diagrams are used extensively throughout the text. Contains numerous theory questions at the last of each chapter. Gives detailed description of arrays, stack and queues in lucid manner. Covers all tree structures like binary tree, binary search trees, AVL, B+ tree and red black trees in detail. Detailed analysis of each and every sorting and searching technique is covered with the help of Programming examples. Presents various hashing techniques like hash functions, linear probing, quadratic probing, double hashing and rehashing. Brief introduction to the concept of file and storage management. This book will be useful for student of BE (Computer/Electronics), B. Tech, ME(Computer/Electronics), M. Tech, MCA BCA, M.Sc., B.Sc. and also to students pursuing A/B/C-level course of DOEACC.

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- Algorithm Design and Complexity
- Arrays, Pointers and Records
- Linked Lists
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- Heaps
- Graphs
- Sorting and Searching Techniques
- Hashing
- File and Storage Management

Author

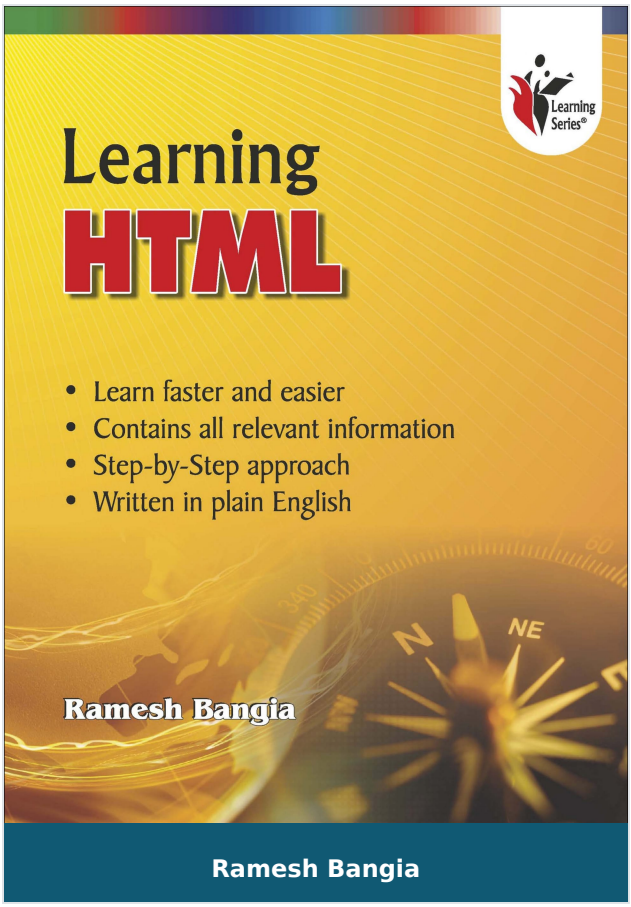
R. Singh

R. Singh "R Singh, MCA is equipped with an extraordinary calibre and appreciable academic potency. He has teaching experience of nearly twenty years. He has authored ten books on various complex topics of computer science. He has already submitted his Ph.D. thesis in the field of system simulation. His other areas of interest include Software Engineering, Data Structures and Information Systems. "

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Learning HTML

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Categories :	Book Store, Learning Series, BASIC COMPUTER BOOKS
Condition Type :	New
Country Origin :	India

Product Description

The complete Learning Series has been designed in a very systematic and logical manner. Each topic has been developed from the basic concepts. Practically every major point in the text is illustrated with suitable examples and screen shots. This will help the students in understanding the basic theory and train them in solving every problem systematically, and confidently. A large number of unsolved as well as solved exercises have also been included in the book. The language of the text of the book is lucid, direct and easy-to understand. Each chapter is laced with various diagrams wherever possible. Functions has been explained in full and some of them have been explained in the form of examples. Tips for working faster using the keyboard shortcuts are also provided.

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- Working with HTML 5
- New Attributes and Events in HTML 5
- HTML 5 Form Elements
- HTML 5 Form Attributes
- HTML 5 Event Attributes
- HTML 5 Audio/Video Methods
- Canvas 2D
- HTML 5 Tags
- Questions

Author

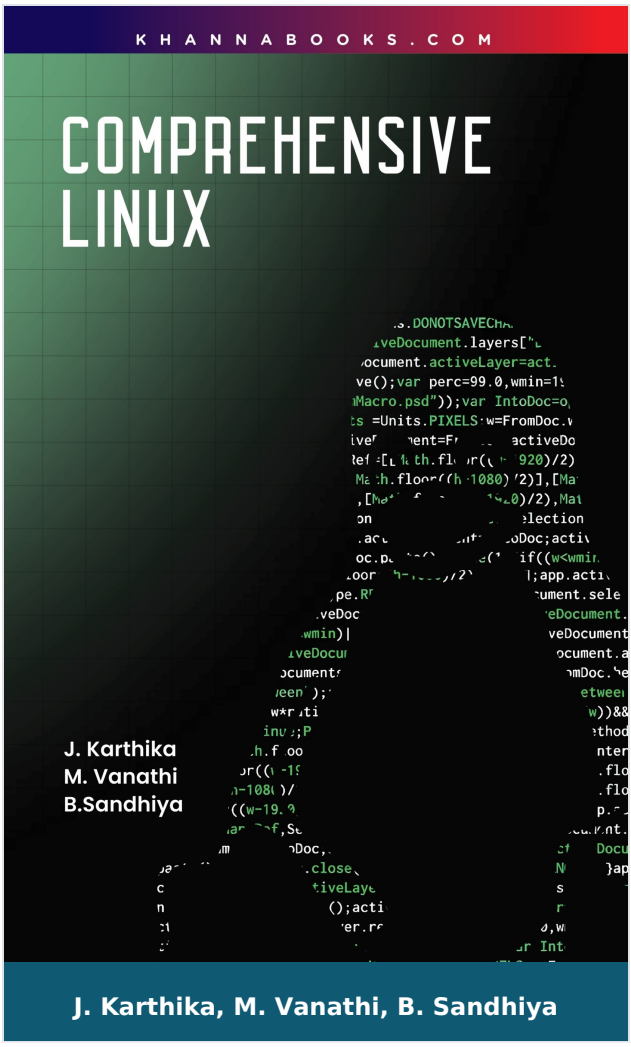
Ramesh Bangia

Ramesh Bangia, has been writing computer books on various topics. He has written books for Schools. Training Institutes, Technical Universities, Distance Education Programs, Colleges and General. His tally of books exceeds 500 in number. Trained both in India and Abroad and having studied at IIT Delhi, he becomes automatic choice for most of the publishers in India. Though based in Delhi, his books are popular all over India and are even exported to Middle Ease and African countries.

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Comprehensive Linux

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Product Description

This comprehensive guide, COMPREHENSIVE LINUX, navigates the core concepts and modern practices of the versatile Linux operating system, which underpins the digital landscape of enterprise, cloud, and embedded systems. Designed as a complete resource for readers seeking in-depth knowledge, the book offers a crucial blend of theoretical insight and hands-on experience to cultivate real-world expertise in system management.

The focus is distinctly practical, exploring vital administrative tasks across key distributions like Ubuntu for foundational skills and Red Hat Enterprise Linux (RHEL) for advanced server administration. Readers will master essential skills including robust user and group management, advanced shell scripting, process handling, and effective software and networking administration. Beyond foundational topics, the text delves into contemporary applications, providing in-depth coverage of Git repositories, security tools from Kali Linux (like Nmap and Metasploit), and integration with cloud services like Amazon Web Services (AWS).

The book is an invaluable asset for a broad audience, including beginners, seasoned system administrators, IT professionals, and developers who need to effectively manage and secure critical infrastructure in an enterprise context. By the end of this journey, you will be proficient in Linux operations, prepared to tackle complex security challenges, and ready to embrace the cloud computing revolution.

Salient Features:

• Foundation & Enterprise: Covers core concepts using beginner-friendly Ubuntu, then shifts to Red Hat Enterprise Linux (RHEL) for advanced server administration and industry-standard practices.

• Practical Lab Exercises: Features numerous hands-on labs and real-world scenarios in every unit, allowing readers to build essential, verifiable expertise in Linux management.

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• Advanced Shell Scripting: Comprehensive instruction on the Linux shell and scripting, empowering users to automate repetitive tasks and achieve efficient, high-level system control.

• Robust Access Control: Detailed units on user and group management, file system navigation, and implementing granular Access Control Lists (ACLs) for system security.

• Security Tools & Auditing: Explores essential security vulnerability practices using Kali Linux, including practical application of industry-leading tools like Nmap and Metasploit.

• Cloud & Version Control: Integrates modern infrastructure topics like Git repositories, container technology, and managing cloud instances in Amazon Web Services (AWS).

• Server Management: Dedicated deep dives into RHEL server setup, network configuration, Logical Volume Management (LVM), and securing web and file servers.

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- Gaining Access
- File manipulations
- managing Software in RHEL
- Introduction to GIT

Author

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M. Vanathi

M. Vanathi B.Sandhiya

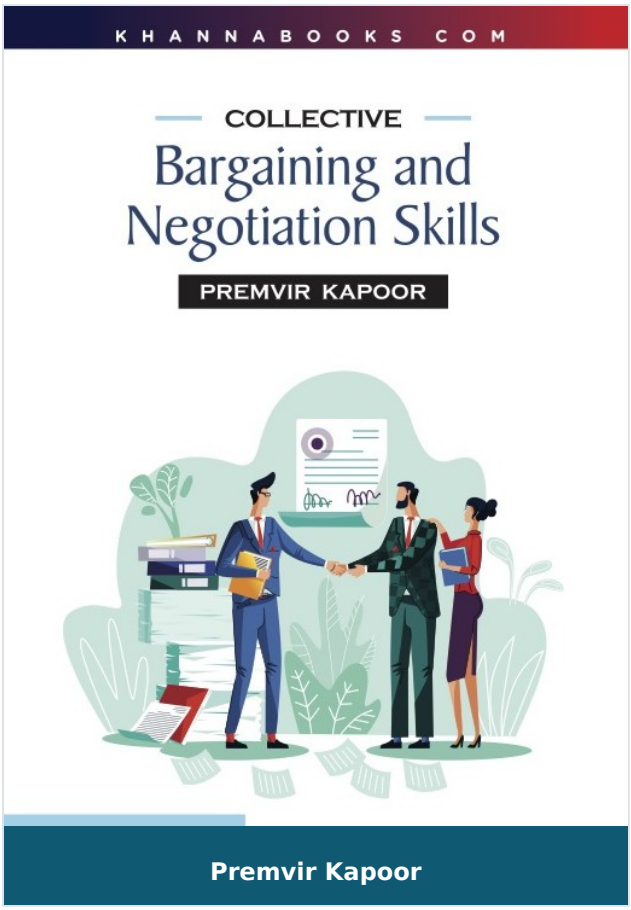
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Collective Bargaining And Negotiation Skills

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Product Description

Collective Bargaining And Negotiation Skills

Collective Bargaining and Negotiation Skills has globally become a much discussed issue with economic conditions continuing to be uncertain complexity of business increasing many bold, competitive pressures mounting organizations becoming flatter by each passing day, managers have a tough balancing act to do one side they have a challenge of managing the needs, aspirations and emotions of their people, on the other side they have to negotiate from every stakeholder , the very best for their organization collective bargaining and negotiate are two very important and much needed skills for todays managers. the book test provides the readers a unique resource for continuing self-development. The book aims to fulfill the need of management students and also for the practitioners as a reference manual to help them upgrade their knowledge and skills with the right attitude. Both students in an academic setting as well as management practitioners will benefit from the text.

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- Conflict Management
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- Negotiating A Contract
- Developing Negotiation Strategies
- Bibliography

Author

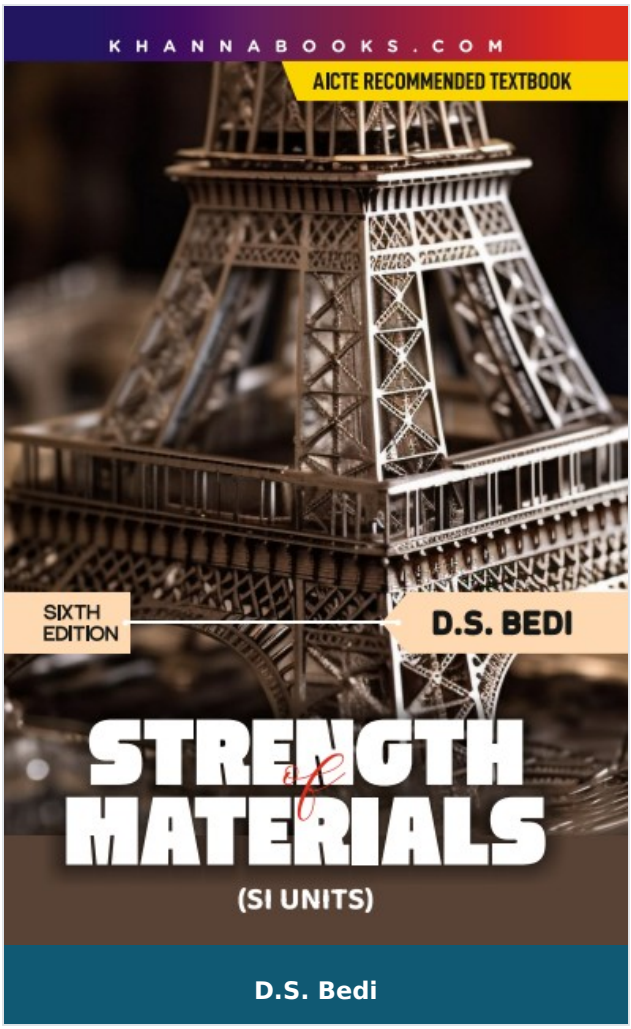
Premvir Kapoor

Dr. Premvir Kapoor BBM(BHU), MBA(Podar Institute of Management), LLB Delhi, Ph.D(Meerut University), Diploma in Training and Development, ISTD New Delhi, Diploma in Corporate Laws and Secretarial Practice(Indian Law institute New Delhi). He has worked s Director in Sri Ram Institute of Management and IIMT Institute of Management, Greater Noida and Professor of Human Resource Management at IMS Ghaziabad and Lingaya University Faridabad. He has been associated with some of the leading Institutes of Company Secretaries of India, Institute of Marketing management, Western U.P Productional Council. He is a member of Indian Law Institute, New Delhi. He has been visiting faculty at various prestigious business schools.

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Strength of Materials

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Product Description

The sixth edition of the book has thoroughly been modified and enlarged to meet the revised syllabi of many universities and other professional examination like AMIE and above all to incorporate the suggestions received from the students and faculty a like. Additional problems on two-dimensional complex stress systems have been fully solved by both analytical and Mohr's circlem method so that the readers are made aware of the face that the sign shear stress on a particular plane has its one important role to play so as arrive at the correct result which otherwise is normally overlooked or even sometimes neglected. The term " bending Moment" and "twisting Moment" have been introduced as vector quantities in order to bring out the difference between them so that the reader can easily decipher each of them and proceed ahead to accomplish the associated objectives. The chapter on Thick Cylinders had been re-written to keep uniformity in sign convention of the stresses throughout the entire text. Further in this chapter the process of auto frettage of a thick cylinder has been introduced along with the "Simplified" theory of this process. The author has endeavored to familiarize the readers with the "Yield point phenomenon of low carbon steel". "quantitative definitions of ductility and malleability" and "Negative Possions Ratio" Which were hitherto not dealt with in most of the text on the subject. On the specific demand of the students almost all the chapter have been supplemented with objective type questions along with more number of worked examples.

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- Shearing Force and Bending Moments in Beams
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- Springs
- Strain Energy and Deflection due to Shear and Bending
- Theories of Failure
- Bending of Curved Bars
- Stresses Due to Rotation
- Unsymmetrical Bending
- Plastic Theory of Bending
- Three Dimensional Stress System
- Torsion of Non-Circular Shafts
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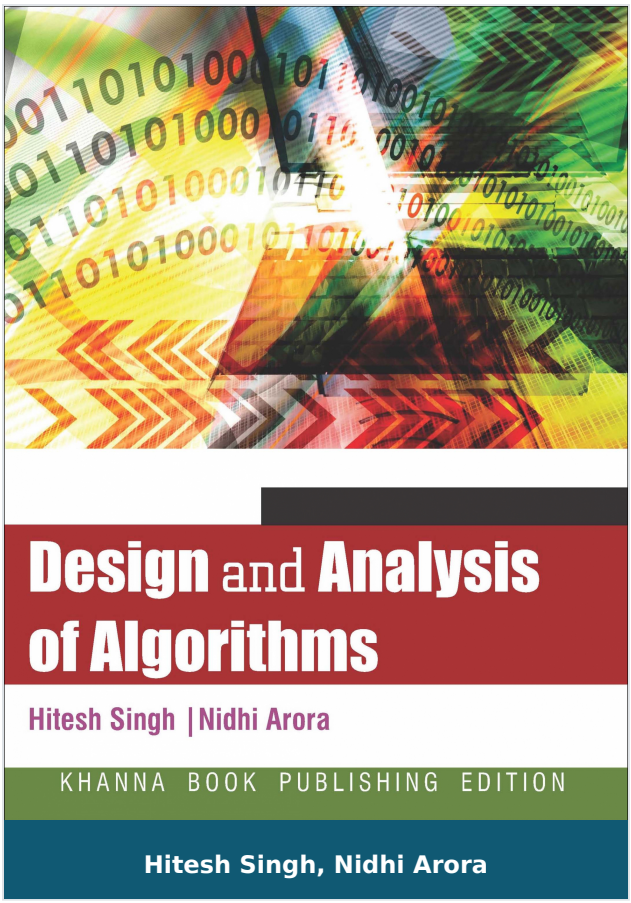
D.S. Bedi

Dr. D.S. Bedi is one of the distinguished writers in India. He possesses a very excellent academic background. He had held various high positions viz. formerly Professor Emeritus at Department of Mechanical Engineering, Institute of Engineering and Technology (Punjab); Professor & Head, Dept. of Mechanical Engineering,Thapar Institute of Engineering & Technology (Punjab); Visiting Professor at Wayne State University, Detroit, MI (USA); Principal, Baba Banda Singh Bahadur Engineering College, (Punjab); Advisor-cum-Consultant at G.G.S. College of Modern Technology (Punjab); Director, Punjab College of Engineering; Technology, Punjab.

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Design and Analysis of Algorithms

Author :	Hitesh Singh, Nidhi Arora
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Product Description

The focus of this book is on how to design good algorithms and how to analyze their efficiency. Various methods/ideas are explained with the help of examples which helps in developing fast and efficient algorithms. This book will also provide the correctness of algorithms and analyzing the algorithms. At the end of the chapters it chapters it has questions both solved and unsolved which has come in various Indian universities.

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- Dynamic Programming
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- Sorting Network
- Maximum Flow
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- Matrix Operation
- Backtracting
- Model Questions
- End-Term Examination

Author

Hitesh Singh

Hitesh Singh Hitesh Singh has done M.Tech from C-DAC, Noida, in CSE. His research area are information security, Steganography, Algorithms and Software Engineering.

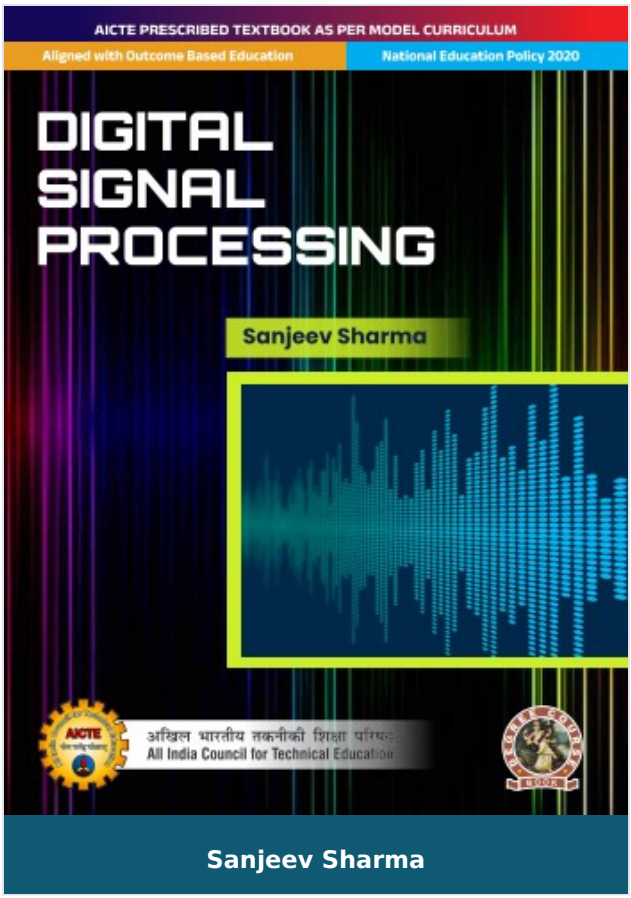
Nidhi Arora

Dr. Nidhi Arora is MBA, MCA and doctorate in Computer Science. She is an author of various books and also published research papers in reputed generals.

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Sanjeev Sharma

Digital Signal Processing

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Product Description

Digital Signal Processing

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 concepts 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 not students.
- Exercises are provided for student practice after every chapter.
- Applications of digital signal processing are included.

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- Discrete-Time Signals and Systems
- Z-Transform
- DTFT: Discrete Time Fourier Transform
- DFT: Discrete Fourier Transform
- FFT: Fast Fourier Transform
- Design of Digital Filters
- Multidate Digital Signal Processing
- Application of Digital Signal Processing
- Bibliography and Suggested Reading
- Digital Signal Processing Laboratory
- CO and PO attainment table

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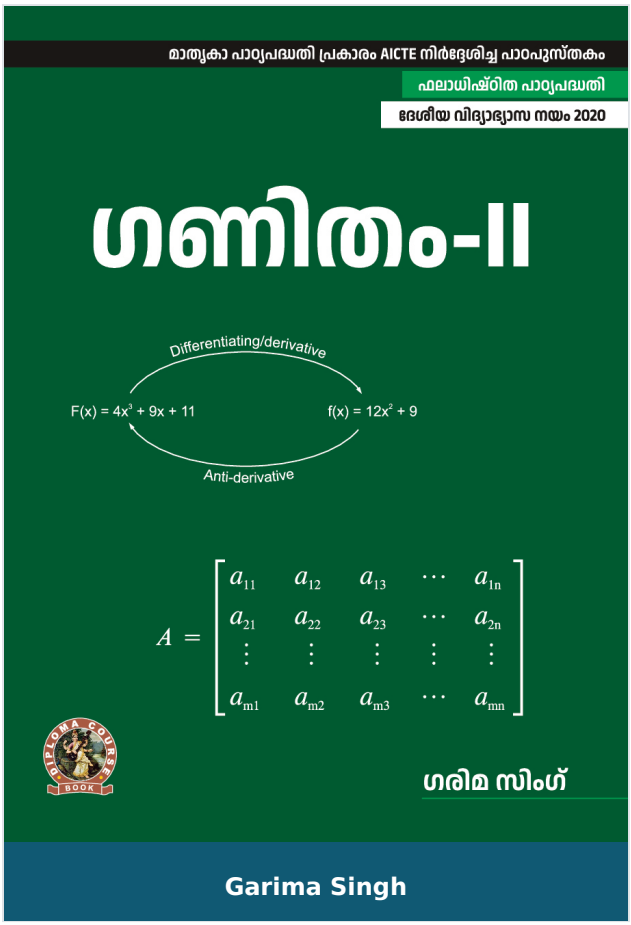
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Mathematics - II

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Product Description

“Mathematics-ll” is a Compulsory paper for the first year students of Diploma engineering courses (common to all branches). Syllabus of this book is strictly aligned to the model curriculum of AICTE. And academic content is amalgamated with the concept of outcome based education. Apart from diploma it is useful for all students who are interested in basic /elementary mathematics and competitive examinations.

Book covers seven topics- Determinants, Matrices, Integral Calculus and it’s applications. Co-ordinate Geometry and it’s applications, vectors and it’s applications, Differential equations. Basic of MATLAB.

Each topic is written in an easy and lucid manner with a holistic view. There has been deliberated attempt to keep the number of pages in the book minimum without compromising with the matter. Every chapter contains a set of exercises at the end of each unit to test the student’s comprehension.

Some salient features of the book:

1. For direct recapitulation of main concepts, formulae and results a brief summary of each unit has been given.

2. Objective questions and subjective questions are given for practice of students after every unit.

3. Content of the book is aligned with the mapping of Course Outcomes, Programs Outcomes and uni Outcomes.

4. Apart from the theory explanation and solved examples book provides for mini projects, activities, fun facts, QR codes, case studies, video resources etc.

5. The text has been supplemented with notes, remarks, remember sections within grey boxes.

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6. Student and teacher centric subject materials are included in the book in a balanced manner.

7. Real life applications are inserted to improve clarity of this topics.

8. Know more section has been introduced which constitutes of additional information related to the topic.

9. Check-out section has been introduced so as to active the curiosity part of the student by correlating all the topics studied in this book with MATLAB.

10. At the end of each unit. An excerpt related to eminent Indian Mathematicians is given so as to make .

11. Student have a glimpse of the rich Indian heritage, especially in the field of mathematics.

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- Guidelines for Teachers,
- Guidelines for Students
- Determinants and Matrices
- Integral Calculus.
- Co-ordinate Geometry.
- Vector Algebra.
- Differential Equations.
- Appendices & Annexures.

Author

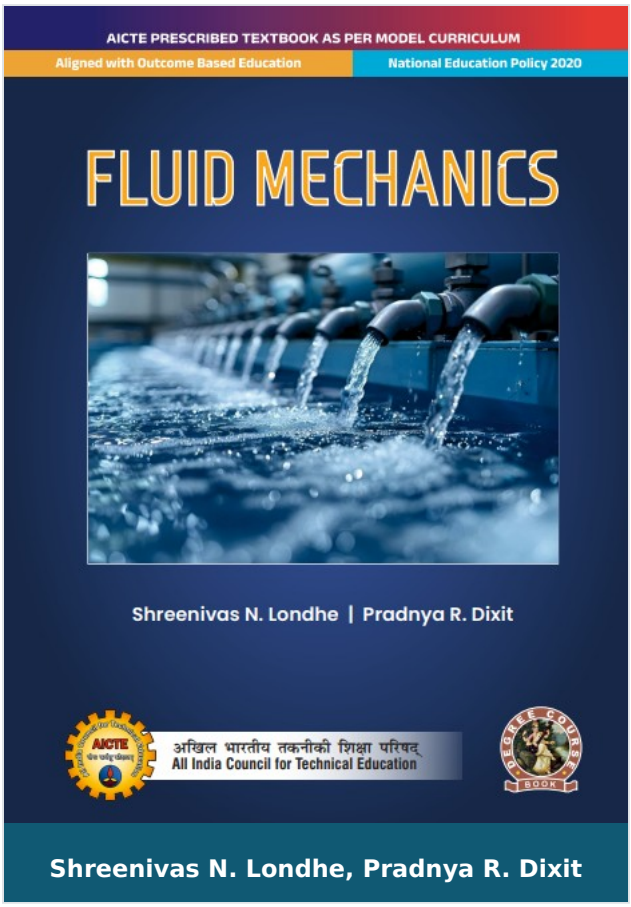
Garima Singh

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Fluid Mechanics

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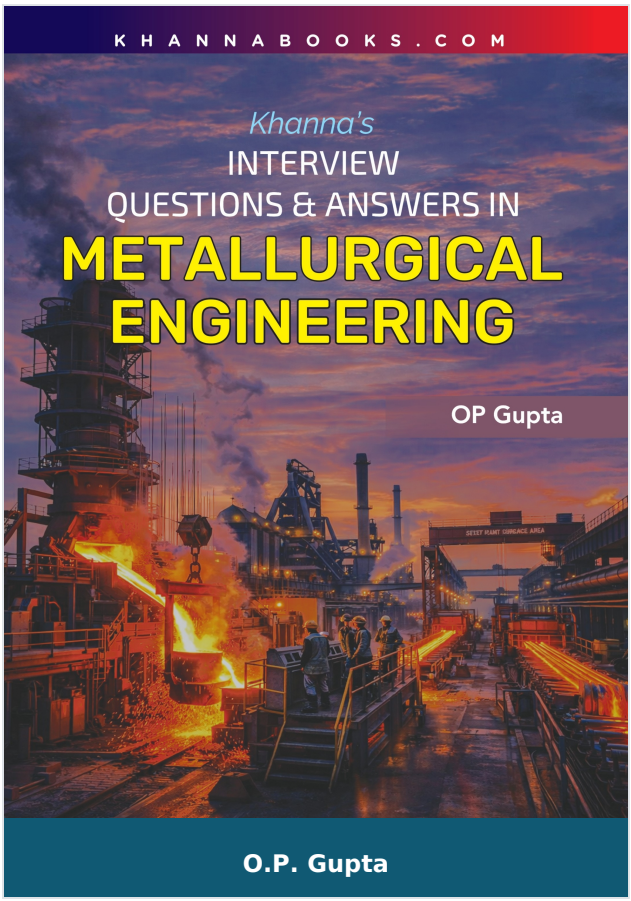
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Khanna's Interview Questions & Answers in Metallurgical Engineering

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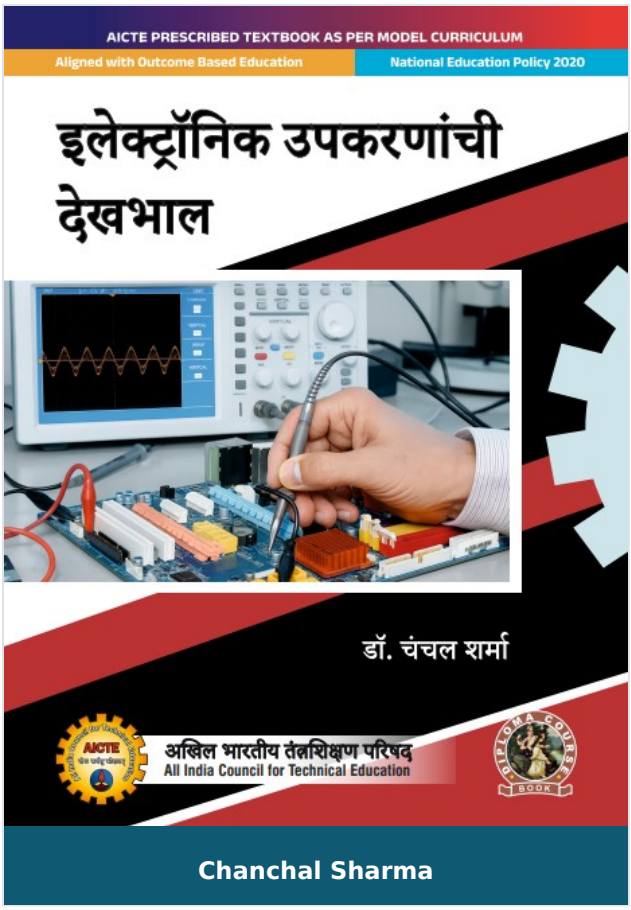
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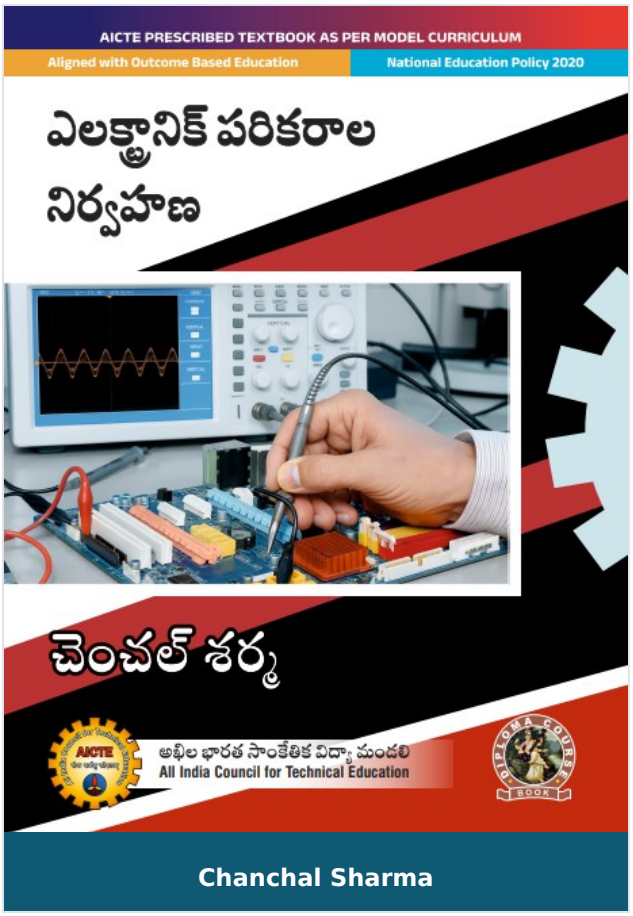
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