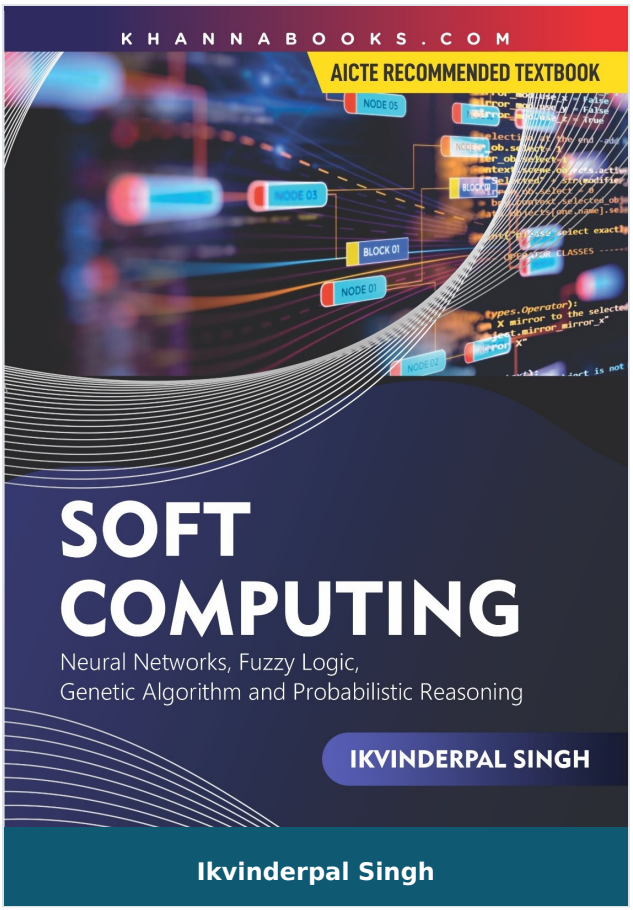


Soft Computing

Author :	Ikvinderpal Singh
ISBN 13 :	978-93-80016-97-9
ISBN 10 :	9380016972
E-ISBN 13 :	978-93-80016-97-9
Edition :	1
Pages :	696
Type of book :	Physical
Year :	2025
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 750.00
Categories :	Computer Science Engineering, Bookstore
Condition Type :	New
Country Origin :	India

Product Description

This book is meant for a wide range of readers, especially college and university students wishing to learn basic as well as advanced processes and techniques in Soft Computing. It can also meant for Programmers who may be involved in programming based on the soft computing applications. Modern aspects of soft computing have been introduced from the first principles and discussed in an easy manner, So that a beginner can grasp the concept of neural networks fuzzy, genetic algorithm and probabilistic reasoning, each chapter contains solved example problems and exercise problems.

SALIENT FEATURES

- Detailed explanation of soft computing concepts
- Extensive coverage of fundamental concepts of Artificial neural network
- Present architecture and algorithm of every net in enough detail
- Provides examples of simple applications
- Gives mathematical development when it provides a guide to proper implementation of net
- Covers all supervised and unsupervised learning methods
- Discusses on the introduction to classical sets and fuzzy sets
- Fundamental idea on classical relations and fuzzy arithmetic explains in a lucid manner
- Detailed explanation of fuzzy rules is given
- Gives the architecture, operation and various applications of fuzzy logic systems
- Concepts of neuro-fuzzy and genetic algorithm are included
- Detailed analysis of each and every type of probability is explained with the help of examples
- Demonstrates the concept of fuzzy logic and probability.

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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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- Fundamentals of Neural Networks
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- Neocognitron
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- Case Studies
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- Fuzzy Relations, Fuzzy Graphs and Fuzzy Arithmetic
- Fuzzy If-then Rules
- Applications of Fuzzy Logic
- Neuro-fuzzy Systems
- Genetic Algorithm
- Probability Theory
- Random Variable and Mathematical Expectation
- Theoretical Distributions
- Fuzzy Logic and Probability Theory

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Author

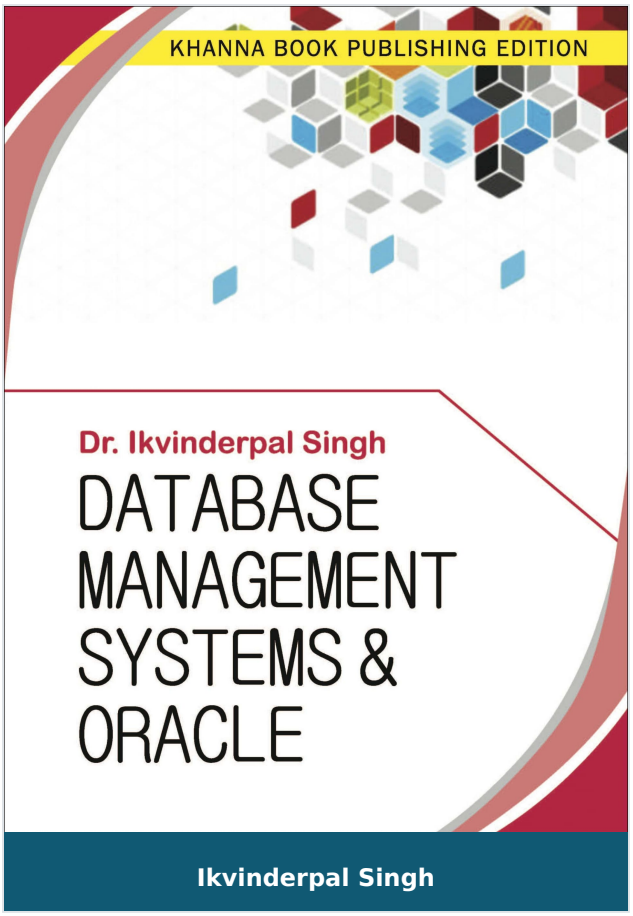
Ikvinderpal Singh

Dr. Ikvinderpal Singh is an Assistant Professor at Trai Shatabdi Guru Gobind Singh Khalsa college Amritsar, bringing 17+ years of academic leadership and research experience to the field of computer science. A Gold Medalist in B.Sc. IT, with an MCA (Distinction) and a Ph.D. in Neural Networks and Image Processing, he is known for blending rigorous research with practical innovation. A prolific academic creator, he has authored 37 books, published 82+ research papers, and designed 100+ industry-aligned skill-development courses. His expertise extends to doctoral evaluation, supervision, and active participation on 100+ editorial and review boards worldwide.

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Database Management Systems & Oracle

Author :	Ikvinderpal Singh
ISBN 13 :	978-93-82609-29-2
ISBN 10 :	9382609296
E-ISBN 13 :	978-93-82609-29-2
Edition :	1
Pages :	864
Type of book :	Physical
Year :	2014
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 435.00
Categories :	Computer Science Engineering, Bookstore
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

The database in now the underlying framework of the information system, and has fundamentally changed the way many organizations operate. In particular, the developments in this technology over the last few years have produced systems that are more powerful and more intuitive to use. this has resulted in database systems becoming increasingly available to a winder variety of users. the objectives of this book, therefore, are to provide a textbook that introduces the theory behind database as clearly as possible and, in particular, to provide a methodology for database design that can be used by IT professionals, such as systems analysts or designers, application programmers, systems programmers, database practitioners, and for for independent self-teachers.

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- Database Concepts
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- Oodbms and Kbms
- UNIT-I
- Introduction To Oracle
- Introduction To Sql
- More On Sql
- Sql Performance Tuning
- UNIT-2
- Introduction To Pl/Sql
- Pl/Sql Datatypes
- Pl/Sql Control Statements
- Pl/Sql Transactions And Concurrency Control
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- Pl/Sql Subprograms
- Pl/Sql Database Triggers
- Handling Pl/Sql Errors

Author

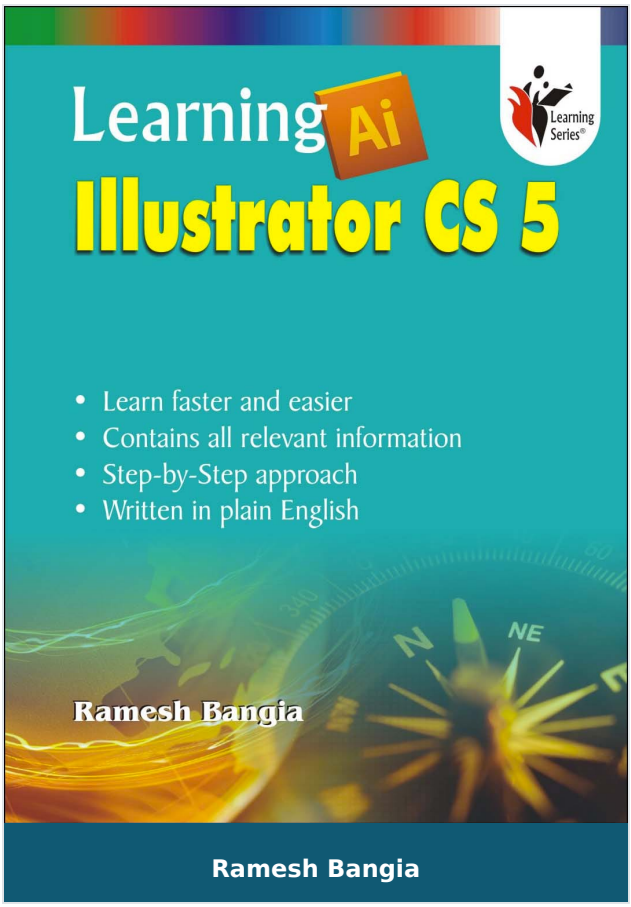
Ikvinderpal Singh

Dr. Ikvinderpal Singh is an Assistant Professor at Trai Shatabdi Guru Gobind Singh Khalsa college Amritsar, bringing 17+ years of academic leadership and research experience to the field of computer science. A Gold Medalist in B.Sc. IT, with an MCA (Distinction) and a Ph.D. in Neural Networks and Image Processing, he is known for blending rigorous research with practical innovation. A prolific academic creator, he has authored 37 books, published 82+ research papers, and designed 100+ industry-aligned skill-development courses. His expertise extends to doctoral evaluation, supervision, and active participation on 100+ editorial and review boards worldwide.

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Learning Illustrator CS5

Author :	Ramesh Bangia
ISBN 13 :	978-93-81068-10-6
ISBN 10 :	9381068100
E-ISBN 13 :	978-93-81068-10-6
Edition :	1
Pages :	208
Type of book :	Physical
Year :	2010
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 225.00
Categories :	Bookstore, Learning Series, Basic Computer Books
Condition Type :	New
Country Origin :	India

Product Description

The complete LEARNING SERIES has been designed in every systematic and logical manner. Each topic has been developed from the basic concept. 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.

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- Commands of Illustrator CS5
- Keyboard Shortcuts of Illustrator CS5
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Author

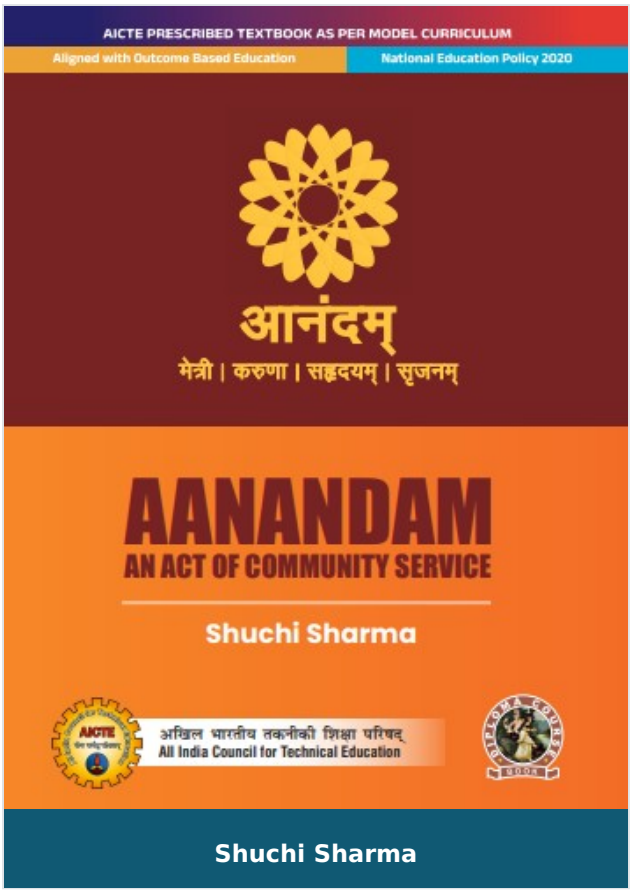
Ramesh Bangia

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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Aanandam An Act of Community Service

Author :	Shuchi Sharma
ISBN 13 :	978-93-55382-48-1
ISBN 10 :	9355382480
E-ISBN 13 :	978-93-55382-48-1
Edition :	First
Pages :	100
Type of book :	Physical
Year :	2026
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 198.00
Categories :	AICTE Prescribed Textbooks, English Books, Bookstore
Condition Type :	New
Country Origin :	India

Product Description

Aanandam An Act of Community Service

Salient Feature:

- It is a guide book for the students and the mentors of the course.
- The book discusses about how the education is incomplete without evolving the goodness hidden inside an individual.
- It guides the students about how to interact with the community and understand the problems of the people.
- It explains about how to select a community problem and make it a subject for the group project.
- How to write the project report, has been explained well with examples.
- The importance of volunteerism, environmental sustainability and community service has been discussed at length.
- The students are most important part of society. It is expected from the education system that it produces socially responsible and empathetic young leaders. To fulfill this objective a novel idea of Aanandam diary has been introduced. It gives an opportunity to peep into the inner world and let love and kindness flow.
- This book will certainly help in understanding the course and implementing it in true spirit to bring forth empathetic, creative and happy young leaders.

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- Aanandam and Environmental Sustainability
- Aanandam Diary
- Aanandam and Community Service
- Aanandam Day - How to make learning a celebration
- How to do a group project work
- Aanandam: A Roadmap for the future
- Conclusion
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- in Rajasthan
- References

Author

Shuchi Sharma

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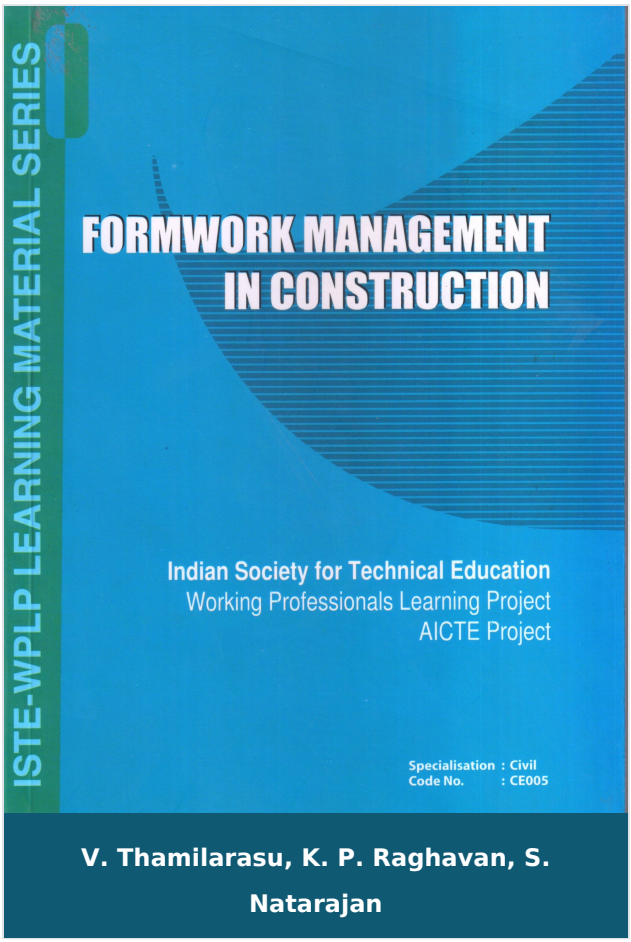
Email: contact@khannabooks.com | Tel: 011-2324 44 47 - 48 | Mobile: +91-99109 09320

Dr. Shuchi Sharma, IAS (retd) Former Secretary Higher, Technical & Sanskrit Education, Government of Rajasthan

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Formwork management in Construction

Author :	V. Thamilarasu, K. P. Raghavan, S. Natarajan
ISBN 13 :	978-93-55389-30-5
ISBN 10 :	9355389302
E-ISBN 13 :	978-93-55389-30-5
Edition :	1
Pages :	130
Type of book :	Physical
Year :	2007
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 182.00
Categories :	Civil Engineering, Bookstore, ISTE Series
Condition Type :	New
Country Origin :	India

Product Description

This book on "Formwork Management in Construction" has been written keeping in mind the importance of Formwork and its Applications for the Construction Industry. A good understanding of effective and safe use of formwork & scaffolding for various applications is essential for students of Civil Engineering, Site Engineers, Site Supervisors and Builders.

Formwork is one of the most neglected subject in any civil construction as it is only a part of enabling work. Strict norms on safety and proper design of formwork is generally not addressed properly in case of normal construction. The construction happening in the rural areas and in some part of urban areas are (mostly residential constructions) carried out using conventional material available in the market (Timber, casuarina poles).

The requirement for good Formwork is realized after the introduction of Ready Mixed Concrete (RMC) in the market, in which the formwork should be adequately designed to take care of the concrete pressure.

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- Formwork Management
- Training of Workmen
- Slip Forming
- Formwork for Special Application, Aluminium Formwork and Precast Moulds
- Safety in Formwork
- References

Author

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V. Thamilarasu

K. P. Raghavan

K. P. Raghavan

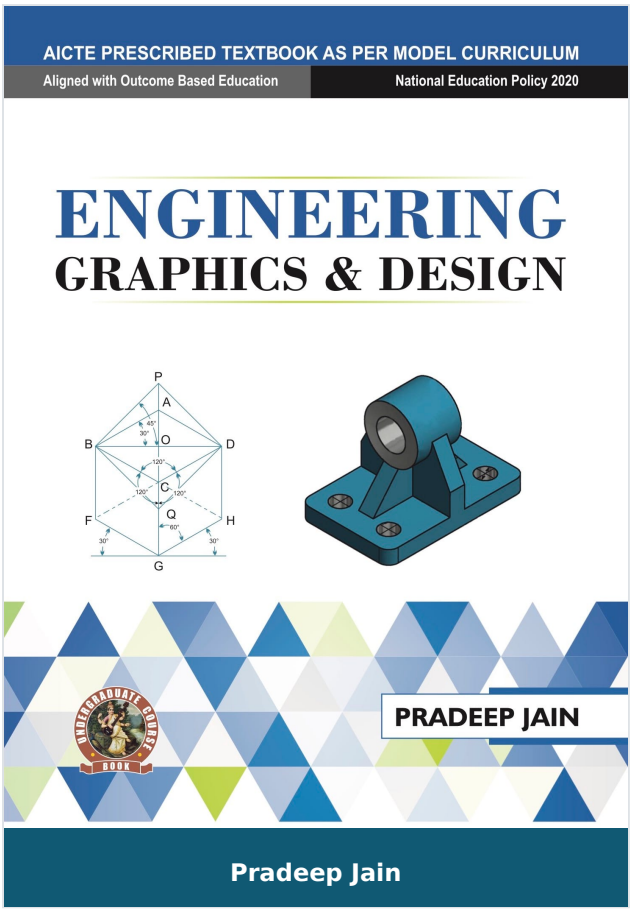
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Engineering Graphics & Design

Author :	Pradeep Jain
ISBN 13 :	978-93-91505-06-6
ISBN 10 :	9391505066
E-ISBN 13 :	978-93-91505-06-6
Edition :	First
Pages :	252
Type of book :	Physical
Year :	2022
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 295.00
Categories :	AICTE Prescribed Textbooks, English Books, Bookstore, Ebooks, Applied Sciences & Humanities
Condition Type :	New
Country Origin :	India

Product Description

This textbook “Engineering Graphics and Design” is based on the latest outcome based model curriculum of the AICTE. The book covers complete syllabus catering requirements of all major technical universities and institutes and provides insights into traditional engineering graphics as well as treats of the subject using 2D and 3D design software. It offers technical details, current standard, real world examples and clearly explains theory and technique in highly visual and concise format. The topic covered in this book are arranged into 9 chapters comprising self-explanatory diagrams and solved examples.

Salient Features:

1. Introduction of Engineering Drawing.
2. Orthographic Projection.
3. Projection of Solids.
4. Section of Solids and Development of Surfaces.
5. Isometric Projection.
6. Overview of Computer Graphics.
7. CAD Drawing.
8. Solid Modelling.
9. Team Design Project.

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- Guidelines for Students
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- Sectional Views of Solids
- Isometric Projection
- Overview of Computer Graphics
- Customisation &CAD
- Annotation Layers and 3D Modelling
- Projects
- Reference
- CO and Po Attainment Table
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Author

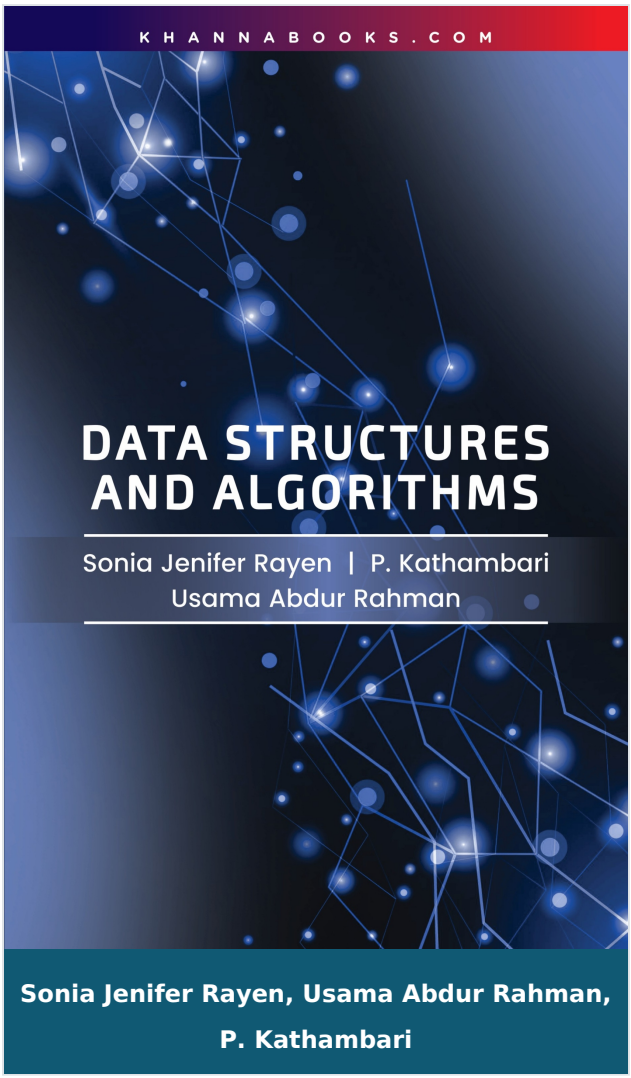
Pradeep Jain

Pradeep Jain has 15 years of experience in teaching and industry in CAD/CAM. presently he is working as an associate professor in the Department of Mechanical Engineering, Ajay Kumar Garg Engineering College, Ghaziabad. He is providing training and consultancy in CAD/ CAM field.

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Data Structures and Algorithm

Author :	Sonia Jenifer Rayen, Usama Abdur Rahman, P. Kathambari
ISBN 13 :	978-93-55384-75-1
ISBN 10 :	9355384750
E-ISBN 13 :	978-93-55384-75-1
Edition :	First
Pages :	188
Type of book :	Physical
Year :	2026
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 298.00
Categories :	Computer Science Engineering, New Arrivals, Bookstore, Sathyabama Series
Condition Type :	New
Country Origin :	India

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Product Description

In the rapidly evolving landscape of computer science and technology, a foundational mastery of data structures and algorithms is paramount for efficient problem-solving and system design. This essential textbook is specifically designed to offer Computer Science, Information Technology, and allied students, along with educators and aspiring programmers, a broad and easy-to-understand exposition of these key principles.

The book's core purpose is to build a strong, clear, and practical understanding of fundamental concepts, integrating theoretical principles with applied implementation so readers can not only grasp the inherent logic but also implement solutions in real-world computing environments. The text systematically covers traditional structures like Arrays, Linked Lists, Stacks, and Queues, alongside complex non-linear structures such as Trees and Graphs. It then advances to essential algorithm design techniques, including Divide and Conquer, Greedy Algorithms, and Dynamic Programming, and comprehensively covers Searching and Sorting methods.

A key highlight is the dedicated focus on Algorithm Analysis, thoroughly explaining concepts like Time and Space Complexity and Big O notation to ensure readers can develop efficient, optimized solutions. Maintaining an academic yet friendly tone, the book ensures clarity by breaking down complex concepts, supplemented with numerous diagrams, real-life examples, and code snippets, primarily using Python for readability. This text is an indispensable guide for establishing the analytical and coding skills necessary for academic and professional success.

Salient Features:

• Foundational DS: Systematically covers primitive and non-primitive structures like arrays, linked lists, stacks, queues, trees, and graphs, forming the core of computing.

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• Performance Analysis: Explains the crucial concepts of Big O notation, time, and space complexity analysis, enabling the design of optimized and efficient coding solutions.

• Advanced Techniques: Details advanced algorithm design paradigms, including Divide and Conquer, the Greedy approach, Dynamic Programming, and Backtracking for complex problem-solving.

• Practical Coding: Adopts a hands-on approach with numerous code snippets, examples, and diagrams, utilizing Python for clear, readable implementation of concepts.

• Search & Sort Mastery: Provides clear, step-by-step coverage of fundamental operations like linear search, binary search, and various efficient sorting methods (Quick, Merge, Heap).

• Applied Solutions: Explores real-world applications of data structures, such as polynomial manipulation via lists and shortest path problems using Dijkstra's algorithm.

• Conceptual Clarity: Establishes a strong basis by thoroughly defining and differentiating between data, information, and Abstract Data Types (ADT) before implementation.

• Student Focused: Includes chapter-end exercises and problems to reinforce learning, making it an ideal, syllabus-aligned guide for academic and professional preparation.

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Author

Sonia Jenifer Rayen

Sonia Jenifer Rayen, Associate Professor, Dept of CSE, Sathyabhama Institute of Science and Technology

Usama Abdur Rahman

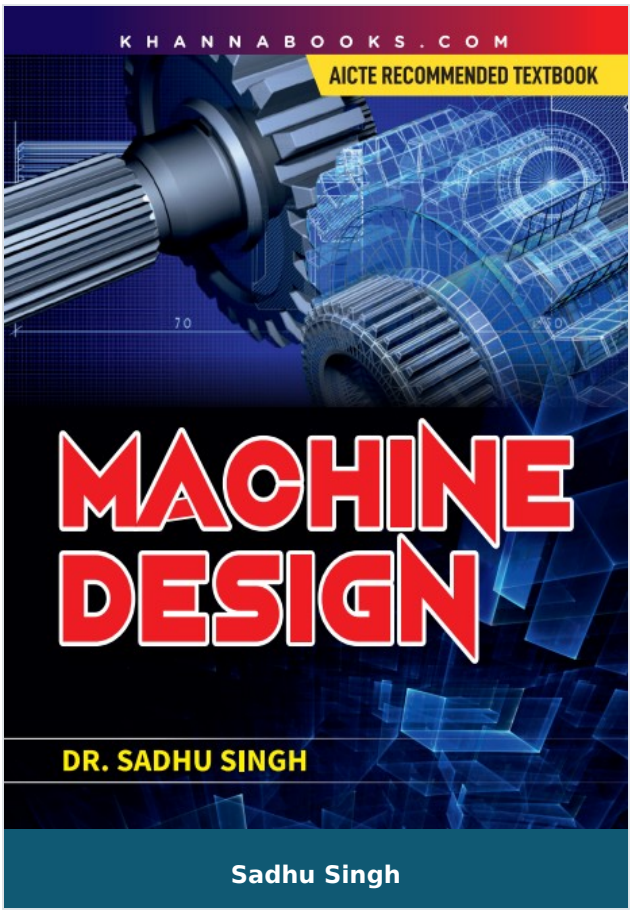
Usama Abdur Rahman

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Machine Design

Author :	Sadhu Singh
ISBN 13 :	978-93-82609-57-5
ISBN 10 :	9382609571
E-ISBN 13 :	978-93-82609-57-5
Edition :	1
Pages :	826
Type of book :	Physical
Year :	2026
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 575.00
Categories :	Mechanical Engineering, University Recommended, Mechanical Engineering, Bookstore
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 is useful for the students of B. Tech/ B.E. for all Indian Universities and Institutions. This book covers all the topics related to Machine Design components and Machines. The matter contains data as per BIS. A lot many problems have been solved taking data from BIS. utilizing the the latest standards and codes, it is expected that the book shall be appreciated by the students as well as teachers.

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- Engineering Design
- Selection of Engineering Materials
- Design for Static Load
- Design for Variable Load
- Riveted Joints
- Welded Joints
- Screwed Joints
- Power Screws
- Transmission Shafts
- Keys and Couplings
- Levers
- Cotter and Knuckle-Joints
- Pine Joints
- Mechanical Springs
- Flat & V-Belts
- Chains and Ropes
- Spur Gears
- Helical Gears
- Bevel Gears
- Worm Gears
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- Rolling Contact Bearings
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- Clutches and Brakes
- Internal Combustion Engine Parts
- Lubrication in Transmission System
- Multi-Choice Questions

Author

Sadhu Singh

Dr. Sadhu Singh is a retired professor of Mechanical Engineering of Govind Ballabh Pant university of Agriculture & Technology, Pantnagar. He graduated in Mechanical Engineering with Hons, from Punjab University, Chandigarh, M.Sc. (Mechanical Design & Production Engineering) and Ph.D. from Kurukshetra University, Kurukshetra. His teaching experience spans 15 years at Regional Engineering College (now NIT), Kurukshetra and 19 years at Pantnagar University. He has been Professor & Head, Mechanical Engineering Departmentand Dean, Faculty of Engineering & Technology at Pantnagar. He has been Director (Colleges). Punjab Technical University, Jalandhar.

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



Refrigeration and Air Conditioning

Author :	Sadhu Singh
ISBN 13 :	978-93-86173-08-9
ISBN 10 :	9386173085
E-ISBN 13 :	978-93-86173-08-9
Edition :	First
Pages :	820
Type of book :	Physical
Year :	2021
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 499.00
Categories :	Mechanical Engineering, Mechanical Engineering, Bookstore
Condition Type :	New
Country Origin :	India

Khanna Publishing House

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Product Description

Refrigeration and Air-Conditioning is a compulsory subject for the B Tech Mechanical Engineering and other allied branches. It is offered in the final year of the degree program. it is also taught to Diploma students. With the global problem of environment pollution, warming and ozone layer depletion, the importance of this subject has increased manifold in the engineering education The subject is also important from the pint of view of job opportunities as it is an essential part of any competitive examination.

Many books on this subject are available in the market but most of these books do not cover the various aspects of this subject. The author has a vast experience of teaching and administration in reputed institution and Universities of the country. The author has also long experience of association with the National level examining bodies like UPSC and State Level Public Service Commissions to conduct examinations for National and State Services. This vast experience of the author has been utilized in writing the book.

The book contains seventeen chapters on : Basic Concepts of Thermodynamics, Fundamentals of Refrigeration, Air Refrigeration Cycles, Aircraft Refrigeration Systems, Simple Vapour Compression Systems, Multi - Stage Vapour Compression Systems, Vapour Absorption refrigeration Systems, Refrigerants, Refrigeration Equipment, Cryogenics, Steam Jet Refrigeration System, Psychometric. Comfort Air-Conditioning, Cooling and Heating Load Estimation, Ducts Design, Fans, and Applications of Refrigeration and Air - Conditioning.

A large number of Multiple - Choice Questions from Gate and Civil Services Examinations have been given in the form of appendices. Useful Tables and Charts have been given at the end of the book. Numerical Problems from Indian Engineering Services Examinations conducted by the UPSC are given chapter wise.

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- Psychrometry
- Comfort Air-Conditioning
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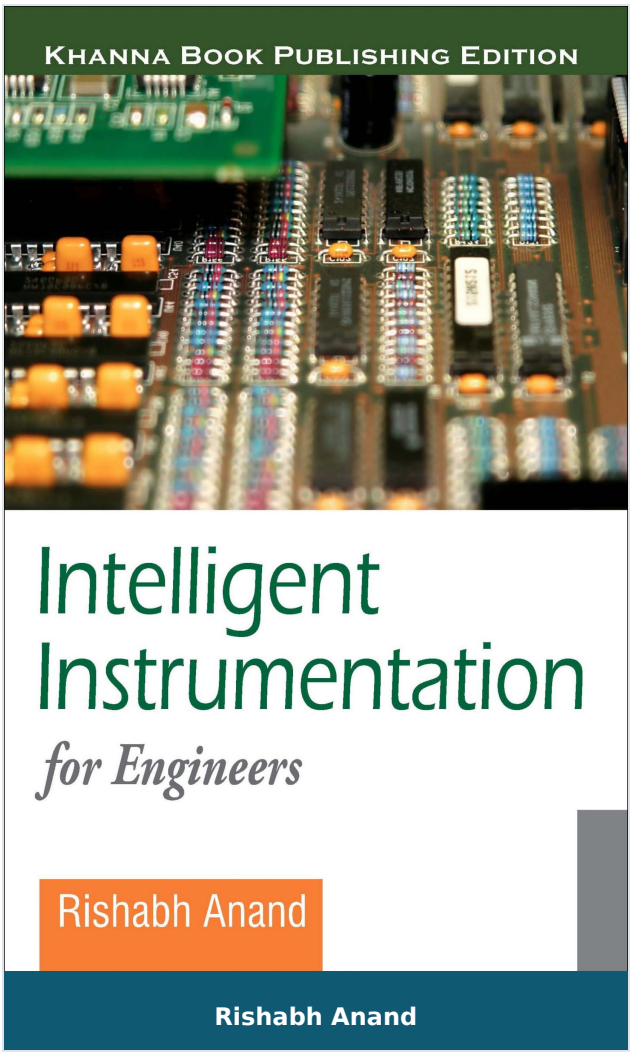
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Author :	Rishabh Anand
ISBN 13 :	978-93-81068-85-4
ISBN 10 :	9381068852
E-ISBN 13 :	978-93-81068-85-4
Edition :	1
Pages :	120
Type of book :	Physical
Year :	2013
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 85.00
Categories :	Electrical, Electronics & Communication Engineering, Bookstore
Condition Type :	New
Country Origin :	India

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Covers the complete latest syllabus of intelligent instrumentation for engineers prescribed by M.D.U. Rohtak. Encourages students to use an easy-to-understand system help them think critically about intelligent instrumentation. This book will be a boon to students and will help them to face examination in confident manner. Very lucid and simplified approach to understand the subject. Subject matter in each chapter developed systematically from figures and examples. All topics are explained in an easy manner followed by numerous figures and case studies. Provides user-friendly approach. Model question papers according to latest examination pattern for MDU are added. Review questions are included at the end of each chapter. These exercises allow students additional practice with each of the topics covered in the book.

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- Instrumentation Computer Networks
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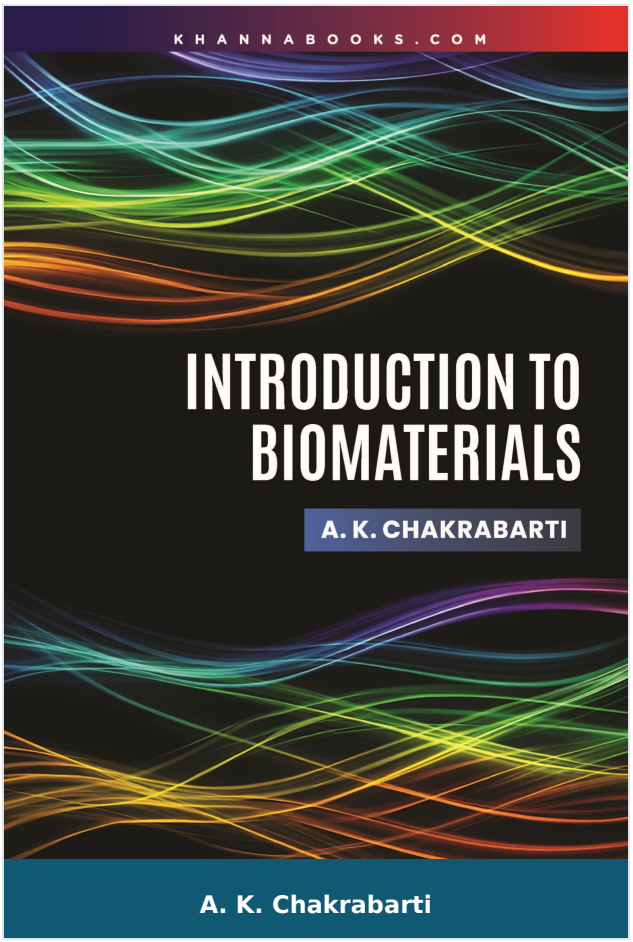
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Introduction To Biomaterials

Author :	A. K. Chakrabarti
ISBN 13 :	978-93-74548-69-1
ISBN 10 :	9374548690
E-ISBN 13 :	978-93-74548-69-1
Edition :	First
Pages :	116
Type of book :	Physical
Year :	2026
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 245.00
Categories :	Chemical Engineering, New Arrivals, Bookstore
Condition Type :	New
Country Origin :	India

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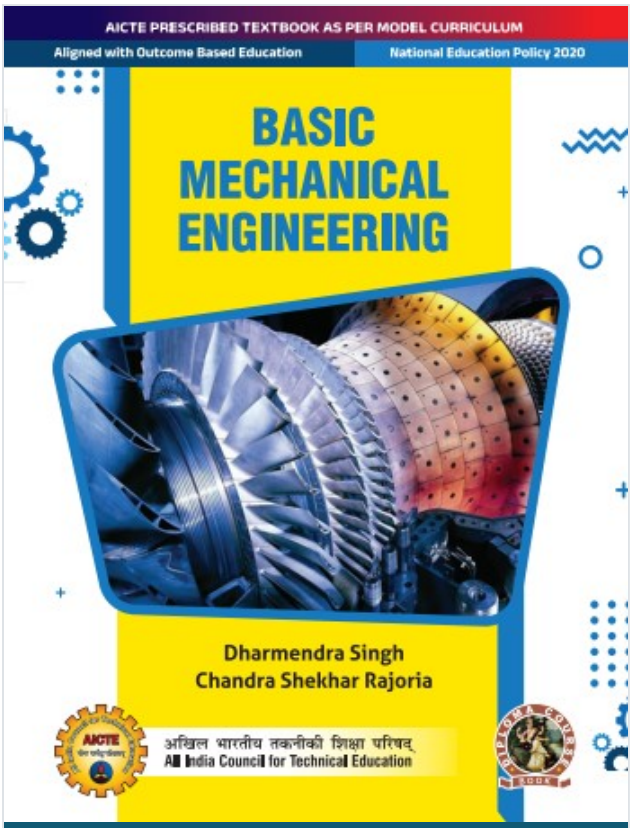
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Basic Mechanical Engineering

Author :	Dharmendra Singh, Chandra Shekhar Rajoria
ISBN 13 :	978-93-55387-53-0
ISBN 10 :	9355387539
E-ISBN 13 :	978-93-55387-53-0
Edition :	First
Pages :	280
Type of book :	Physical
Year :	2026
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 528.00
Categories :	AICTE Prescribed Textbooks, English Books, Bookstore
Condition Type :	New
Country Origin :	India

Product Description

Basic Mechanical Engineering

This book familiarizes the students with different domains of Mechanical Engineering. It provides an exposure of basic science to the engineering students, the fundamentals of Mechanical Engineering systems as well as enables them to get and insight of the subject. The book covers the basic thermodynamic principles including heat transfer, thermal power plant systems, steam turbines, condensers, cooking towers, internal combustion engines and refrigeration. It also covers the basics of material science, manufacturing process, machine tools and their mechanisms with their application in engineering problems. The main content of this book is aligned with the model curriculum of AICTE followed by concept of outcome-based education as per the National Education Policy (NEP) 2020.

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