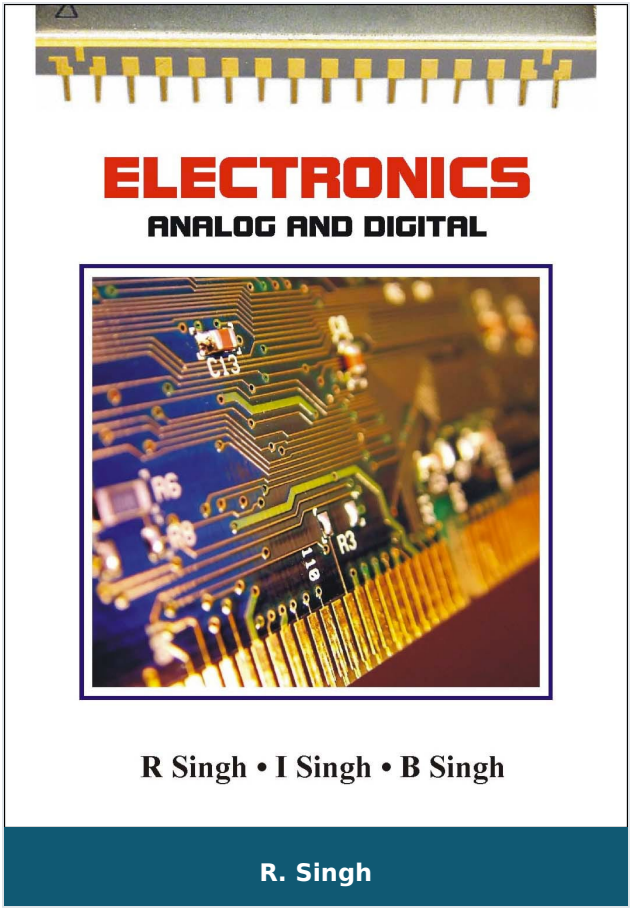


Electronics Analog and Digital

Author :	R. Singh
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Product Description

Written with the beginner in mind, this book provides an exceptionally clear and precise detail of electronics. Its approach is explanatory and language is lucid and communicable. Analog and digital electronics described with the help of its circuit designs, pictorial representation and implementation to have clear ideas. Modern aspects of electronics have been introduce from the first principles and discussed in an easy manner so that a beginner can grasp the analog and digital electronics. Each chapter contains solved example problems and exercise problems.

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- Boolean Algebra
- Karanaugh Maps
- Error Detection and Correction Codes
- Combinational Circuits
- Flip Flops and Timing Circuits
- Counters
- Registers
- Semiconductor Memories
- ADC DAC and Interfacing
- Logic Families

Author

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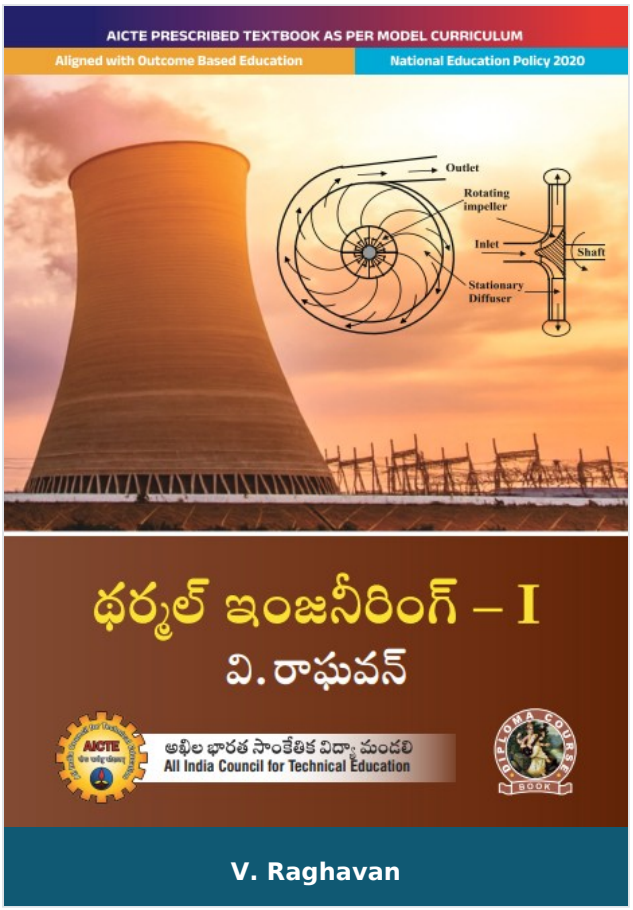
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R. Singh "R Singh, MCA is equipped with an extraordinary calibre and appreciable academic potency. He has teaching experience of nearly twenty years. He has authored ten books on various complex topics of computer science. He has already submitted 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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Thermal Engineering - I

Author :	V. Raghavan
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Product Description

Thermal Engineering - I

This book introduces various energy sources; fossil and renewable fuels, their properties, followed by other non-conventional sources such as nuclear and furl cells. It discusses the types of heat engines; diesel engine, petrol engine, their working principle, components and standard thermodynamic cycles. The book provides insights of various system and IC engines such as fuel injection system, ignition system, lubricating system and also briefly covers governing of IC engines. Further this book provides basic insights of the important parameters to evaluate the performance of I.C. engines. Finally, useful discussions on the fundamentals of air compressors and their types, vapour compression refrigeration system, types of refrigerants, types of air conditioning, and seasonal air conditioning. This book also presents the method to conduct experiments for measuring Important properties used in the analysis.

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.

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- Apart from essential information a ‘know more’ section is also provided in each unit to extend the learning beyond syllabus.
- Short questions, objective questions and long answer exercises are given for practice of students after every chapter.
- Solved and unsolved problems including numerical examples are solved with systematic steps.

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- C. Engine Systems.
- Performance of I.C. Engines.
- Air Compressors, Refrigeration & Air Conditioning
- CO and PO Attainment Table
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Author

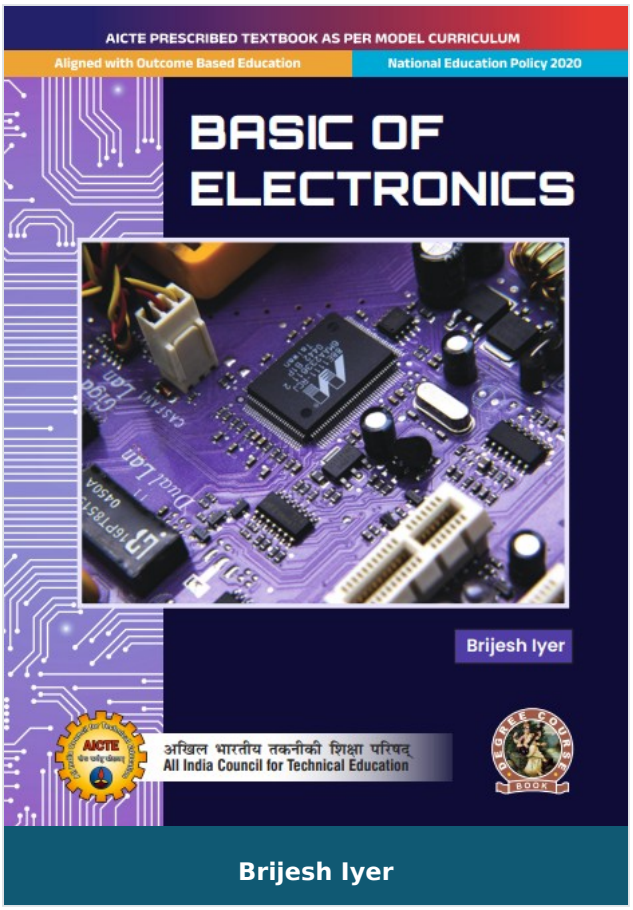
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Basic of Electronics

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Product Description

Basic of Electronics

This text book on Basic Electronics provides foundation of the subject to the reader. It familiarizes readers to important basic electronics engineering concepts of audio, video and consumer electronics devices used in daily affairs. The main concept of this book is aligned with the model curriculum of AICTE followed by concept of outcome-based education as per National Education Policy (NEP) 2020.

Salient Features:

- Content of the book aligned with the mapping of Course Outcomes, Programs Outcomes and Unit 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 etc.
- Student and teacher centric subject materials included in book with balanced and chronological manner.
- Figures and tables are inserted to improve clarity of the topics.
- Apart from essential information a ‘Self-study questions and MCQ’ section is also provided in each unit to extend the learning beyond syllabus.
- Short questions, objective questions and long answer exercises are given for practice of students after every chapter.
- Solved and unsolved problems including numerical examples are solved with systematic steps.

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- Feedback Amplifier and Oscillators
- Operational Amplifier and Applications
- Measuring Instruments & Transducers
- Introduction to Digital Electronics
- References and Suggested Readings
- CO-PO Attainment Table
- Index

Author

Brijesh Iyer

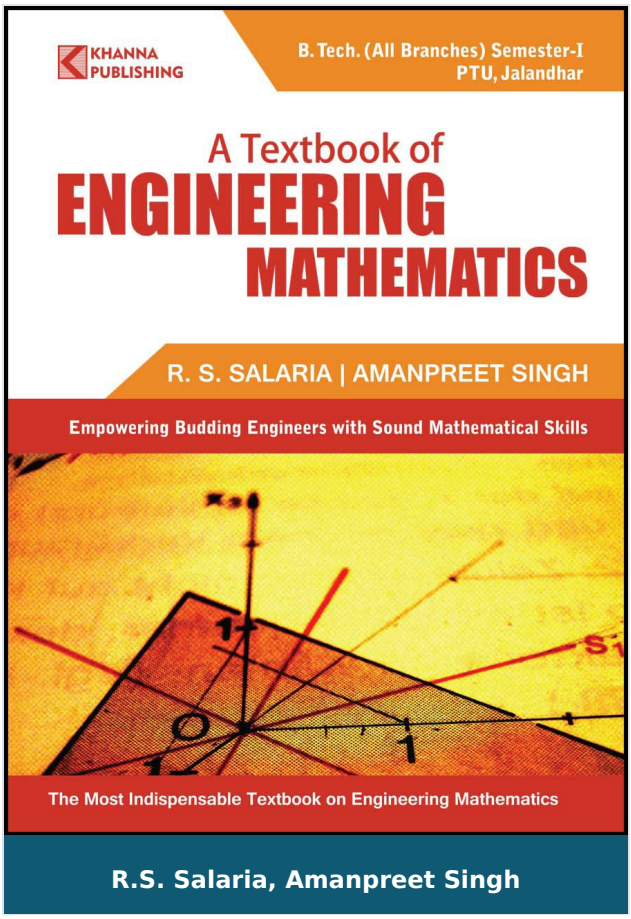
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A Textbook of Engineering Mathematics (PTU-I)

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Product Description

The subject of Engineering Mathematics is an integral part of the course curriculum of Bachelor of Engineering/Technology (BE/B. Tech) program of all Indian Universities. The present state of teaching and learning of Mathematics is not that encouraging. A lot has to be done on both the Fronts.

The book in your hand is a first step of our commitment to uplift the standard of teaching and learning of Mathematics. We assure you that in our continuous journey in this endeavor and with your whole hearted support, we hope to make significant contribution in the teaching and learning of Mathematics We hope to see that day when we hear from our student that Mathematics is a wonderful subject and you all are relishing it.

This book is designed to serve as a textbook for the students of B. Tech. (All Branches) Semester-I of Punjab Technical University, Jalandhar

While writing, due care is taken to present the subject matter in a simple and illustrative manner so that a reader can grasp it with quite ease and can built basic and conceptual knowledge in the subject

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- Partial Derivatives
- Applications of Partial Differentiation
- Integral Calculus
- Introduction to Three Dimensional Geometry
- Multiple Integrals
- Vector Calculus
- Applications of Vector Calculus

Author

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

Amanpreet Singh

Amanpreet Singh Amanpreet Singh SGTB Khalsha College, Anandpur Sahib, Formerly with Rayat-Bahra Institute of Engineering& Nano Technology, Hoshiarpur.

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Object Oriented Analysis and System Engineering

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Product Description

OBJECT ORIENTED ANALYSIS AND SYSTEM ENGINEERING serves as a foundational and comprehensive guide to Object-Oriented System Development (OOSD), a cornerstone of modern software engineering. In today's rapidly evolving technological landscape, the book addresses the critical need for robust, scalable, and maintainable software solutions by providing a structured methodology for building complex, reusable, and efficient systems.

The book delivers the fundamental concepts of object-oriented thinking, commencing with an in-depth exploration of object basics, including objects, classes, inheritance, polymorphism, and encapsulation. It systematically covers the entire Object-Oriented System Development Life Cycle (OOSDLC), offering a holistic view from initial requirements Analysis to Design and final Software Quality Assurance.

The practical value of this text lies in its detailed coverage of object-oriented methodologies—such as Rumbaugh's OMT, Booch, and Jacobson's methods—and the standard Unified Modeling Language (UML) for modeling, design, and documentation. Furthermore, it emphasizes the importance of a use-case driven approach for requirements identification and the application of reusability and component-based development for producing high-quality software. This essential reference is explicitly designed for a wide audience, including students, academicians, researchers, developers, industry professionals, and technology enthusiasts who are seeking to develop a strong background in object-oriented system development and leverage its power for creating innovative solutions.

Salient Features:

• Core OOSD Concepts: Introduces foundational OOSD principles, including encapsulation, inheritance, polymorphism, and object-message communication, establishing a solid base

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for advanced object-oriented programming.

• Unified Methodologies: Details seminal O-O approaches like Rumbaugh's OMT, Booch, and Jacobson's methodologies, emphasizing their unification via the Unified Approach to standardize the software development process.

• UML and Modeling: Explores the Unified Modeling Language (UML) as the industry standard, detailing its static, dynamic, and use-case diagrams to accurately model complex system structures and behaviors.

• Use-Case Driven Analysis: Teaches practical object identification using a problem-driven approach, employing use-case modeling and classification techniques to clearly define system requirements from the user's perspective.

• Design Axioms & Layers: Explains Object-Oriented Design (OOD) with key axioms and corollaries, detailing the design of the Access (persistence/databases) and View (user interface) layers of the system.

• Object Persistence: Provides an in-depth look at managing data persistence using Object-Oriented Database Management Systems (OODBMS) and Object-Relational Database Management Systems (ORDBMS) for complex data handling.

• Software Quality Assurance: Focuses on the impact of object orientation on testing, covering the development of comprehensive test cases, test plans, and measuring system usability and user satisfaction.

• Reusability Focus: Stresses the critical benefit of reusability, providing strategies and guidance for maximizing component-based development to accelerate project timelines and ensure robust, maintainable code.

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- An Overview of Object Oriented System Development
- Object Oriented Methodologies
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- Software Quality

Author

K. Punitha

K. Punitha

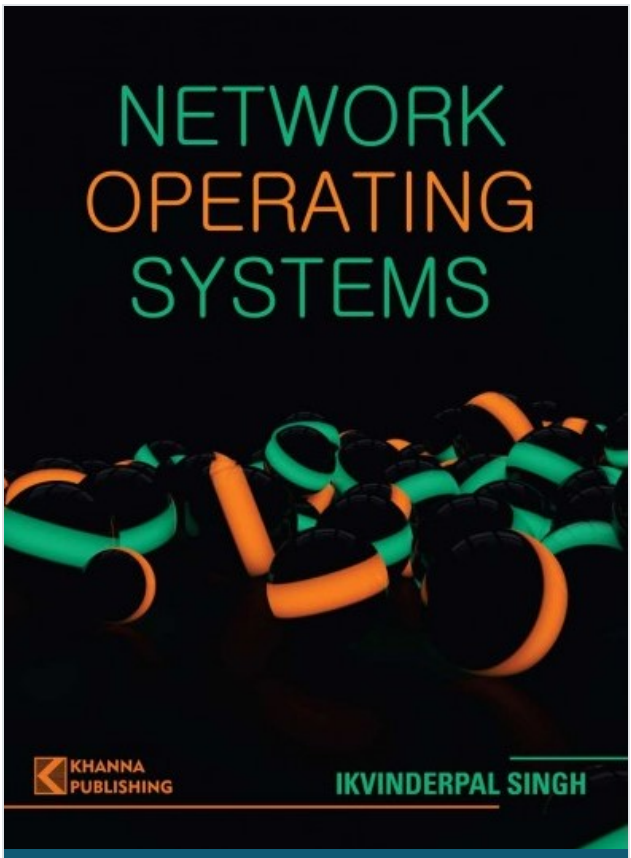
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Ikvinderpal Singh

Network Operating Systems

Author :	Ikvinderpal Singh
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Product Description

Windows computers are rarely used without an active network connection, and often play major roles in supporting the network by providing routing, firewall protection, name resolution, IP address allocation, and remote access. Given the ubiquity of networking, every system administrator must master network administration. This book will help you master networking on windows services such as DNS and DHCP are included. Additionally, windows services provide the best support for proprietary Microsoft networking services and protocols, such as 113, WINS, DNS and Proxy servers, One of the advantages of using windows servers is that they do an excellent job of integrating Microsoft network services into an internet built on standard internet protocols. Each and every concept described with the help of its pictorial representation and examples to have clear ideas.

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- Active Directory
- Performance Monitoring and Security
- Special Topics
- Glossary

Author

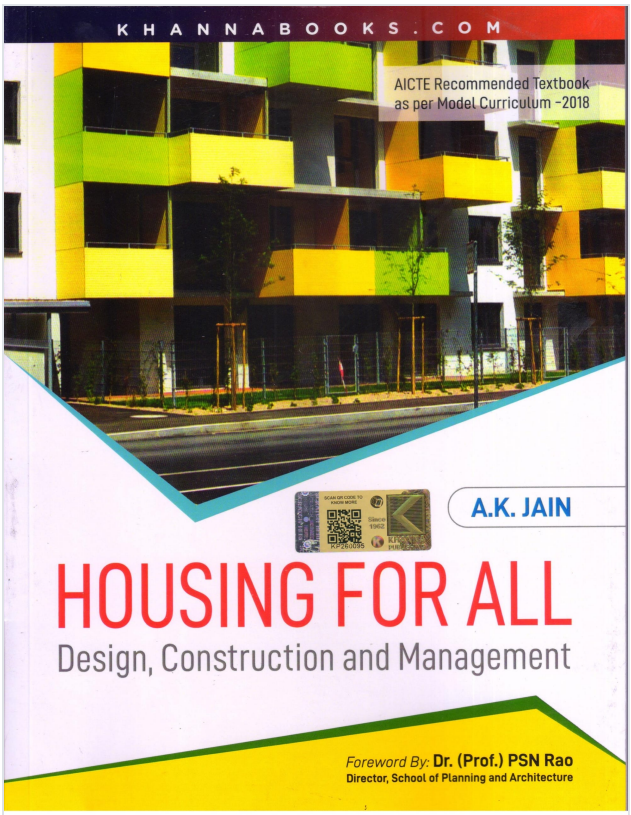
Ikvinderpal Singh

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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A.K. Jain

Housing for All

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Product Description

This book titled “Housing for All: Design, Construction and Management” by A.K. Jain is a comprehensive assessment of the housing situation in India which not only traces the path taken by (governments so far but also outlines a roadmap for the future. The book begins with an overview of the housing scenario in India. It discusses various housing program and draws a distinction between affordable housing and adequate housing. The book also draws particular attention to housing issues of special groups such as the elderly, disabled, homeless, migrant and transit workers, students and single women. There is also a discussion on the issue of social and physical infrastructure. The book notes that housing units alone do not constitute housing but infrastructure plays a critical role in the occupancy of housing. The question of reducing the cost of housing has been vexatious for long. Jain deals with this issue in detail and suggests various low-cost technologies and house building systems for making housing more affordable. Another issue is that of rental housing. Jain suggests that giving a boost to rental housing through a slew of measures can go a long way in making housing more accessible and bring vacant housing into the market.

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- Building Resources and Technology;
- Building and Housing Systems;
- Rental Housing
- Land for Housing;
- Housing Finance
- Housing Management Strategies;
- Regulatory Reforms for Housing;
- Bibliography

Author

A.K. Jain

A.K. Jain, as Commissioner (Planning) Delhi Development Authority worked on the Master Plan for Delhi-2021, National Urban Housing and Habital Policy, National Urban Transport Policy and various urban projects. He was a member of the Committee Constituted by the Ministry of Urban Development, GOI to review the statute of the Delhi Development

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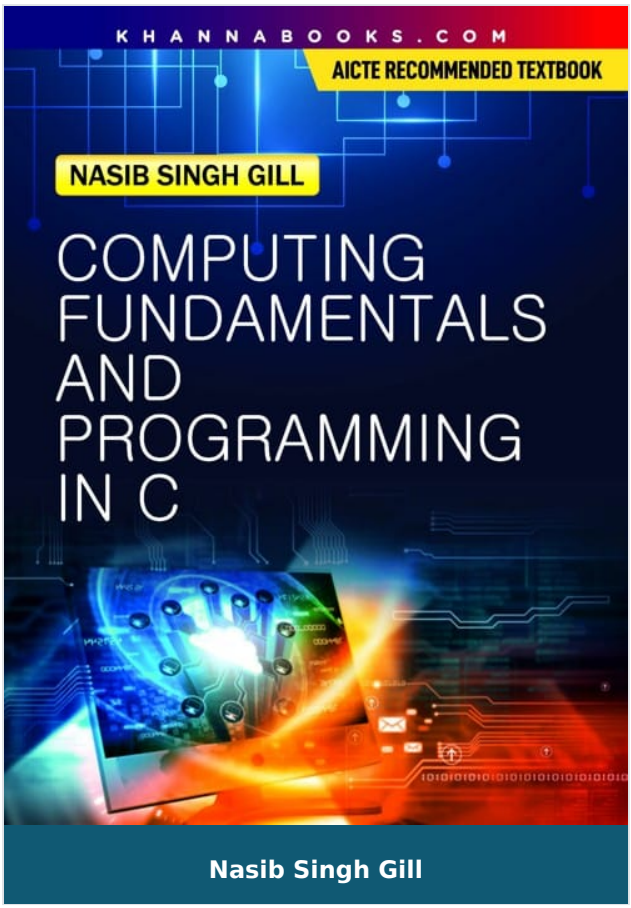
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Authority vis-a-vis the changing urban scenario and new policy initiatives. As a member of editorial Board of International Journal of Environmental Studies (UK) and is author of several books on urban development and management. He is visiting faculty at Delhi School of Planning and Architecture and other Institutes. He was awarded 2nd Urban Professional Award 2014 at World Urban Forum in Medellin, Colombia in recognition of being an exemplary city changer. Union Minister for Urban Development hourured him with IBC Lifetime Achievement Award (2016).

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Computing Fundamentals and Programming in C

Author :	Nasib Singh Gill
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Product Description

The complete spectrum of computing fundamentals starting from abc of computer to internet usage has been well covered in simple and readers loving style, The language used in the book is lucid, is easy to understand, and facilities easy grasping of concepts, The chapter have been logically arranged in sequence, The book is written in a reader-friendly manner both the students and the teachers, Most of the contents presented in the book are in the form of bullets, organized sequentially. This form of presentation, rather than in a paragraph form, facilities the reader to view, understand and remember the points better, The explanation is supported by diagrams, pictures and images wherever required, Sufficient exercises have been included for practice in addition to the solved examples in every chapter related to C programming, Concepts of pointers, structures, Union and file management have been extensively detailed to help advance learners, Adequate exercises have been given at the end of the every chapter, Pedagogy followed for sequencing the contents on C programming supported by adequate programming examples is likely to help the reader to become proficient very soon, 200 problems on C programming & their solutions, 250 Additional descriptive questions on C programming.

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- Operator Types in C and Expressions
- Decision Making Iterative and Control Constructs In C
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- Arrays Overview and Its Types
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- File Management in C
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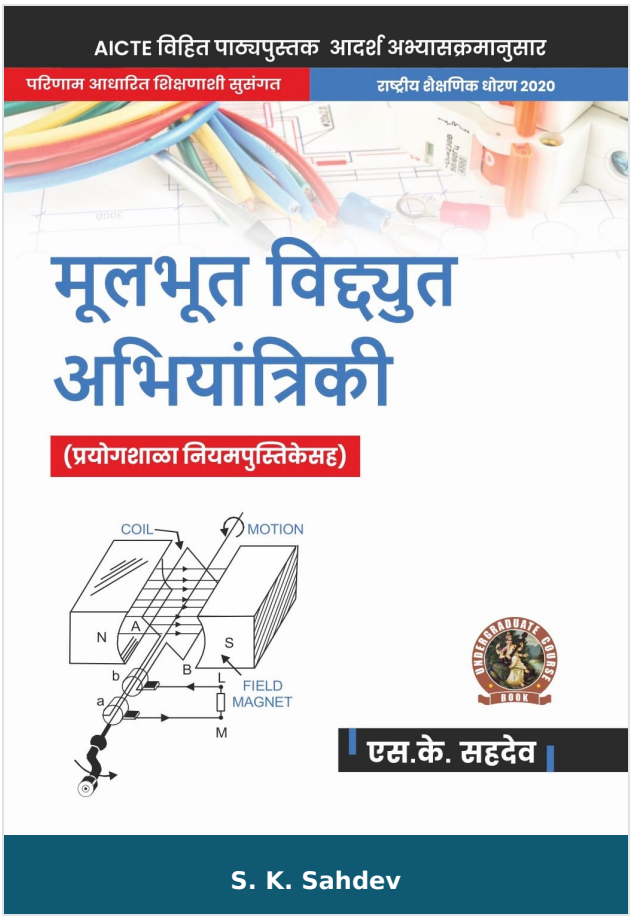
Nasib Singh Gill

Dr. Nasib Singh Gill is a high profile and an acknowledge teacher. Dr. Gill obtained his Ph.D. degree in Computer Science in March 1996 under the supervision of a very renowned and an eminent Computer Scientist, Pro-Head, Department of Computer Science & Applications, M.D. University, Rohatak. He is working in Department of Computer Science & Applications, M.D. University, Rohtak since its inception in Feb. 1990. Presently, he is working as Senior Faculty in the department and has more than 10.5 years of teaching experience. His area of research is 'Software Metrics', a sub-area of 'Software engineering' discipline and presently he is orienting himself in the area of 'Information Technology'

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Basic Electrical Engineering (with Lab Manual)

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Product Description

This textbook “Basic Electrical Engineering” is based on the latest syllabus of the Universities AICTE and Educational Institutes. In this edition, some material of the book has been rewritten to make the presentation easily comprehensible. More illustrative examples mainly from IAS, IES and GATE and other competitive examinations have been added. Various problems with answers have been added to support the text. For quick revision, summary/ highlights are given at the end of each chapter.

Salient Features:

1. DC Circuits
2. AC Circuits
3. Transformers
4. Electrical Machines
5. Power Converters
6. Electrical Installations

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- Transformers
- Electrical Machines
- Power Converters
- Electrical Installations

Author

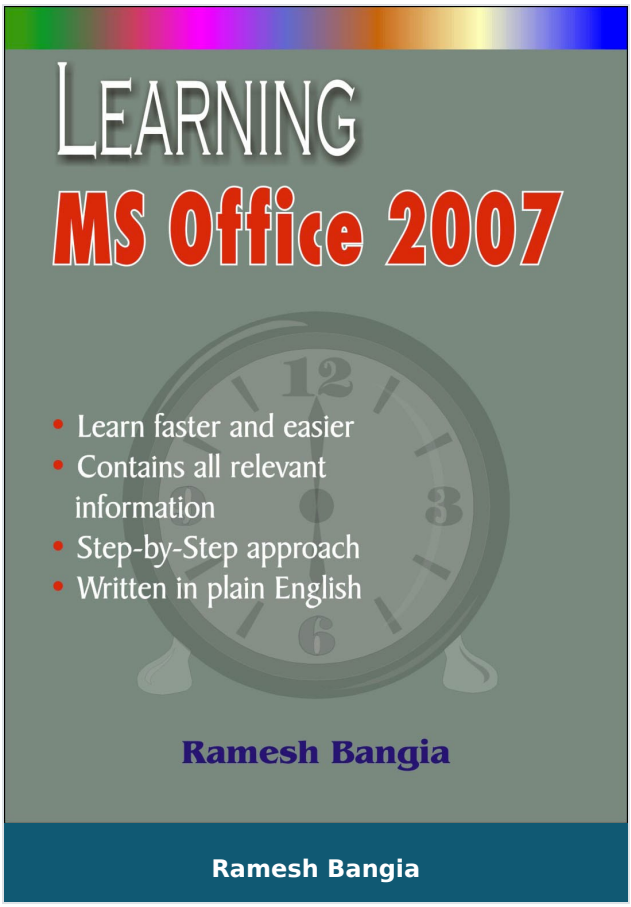
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Learning MS Office 2007

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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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- Questions

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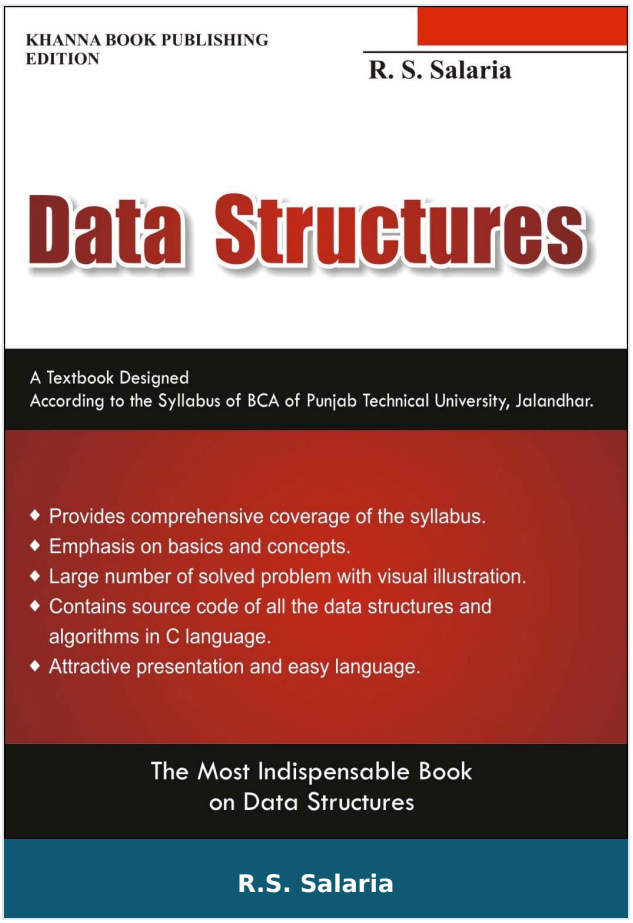
Ramesh Bangia

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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Data Structures

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Product Description

This book is specially designed to serve as textbook for the student of BCA of Punjab Technical University, Jalandhar, and cover all the topics as prescribed in their syllabus

The subject of data structures is of prime importance for the student of Computer Science and IT. It is of practical nature and requires thorough understanding of basics and concepts of the subject before punting them into practice.

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- Queues
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- Sorting And Searching

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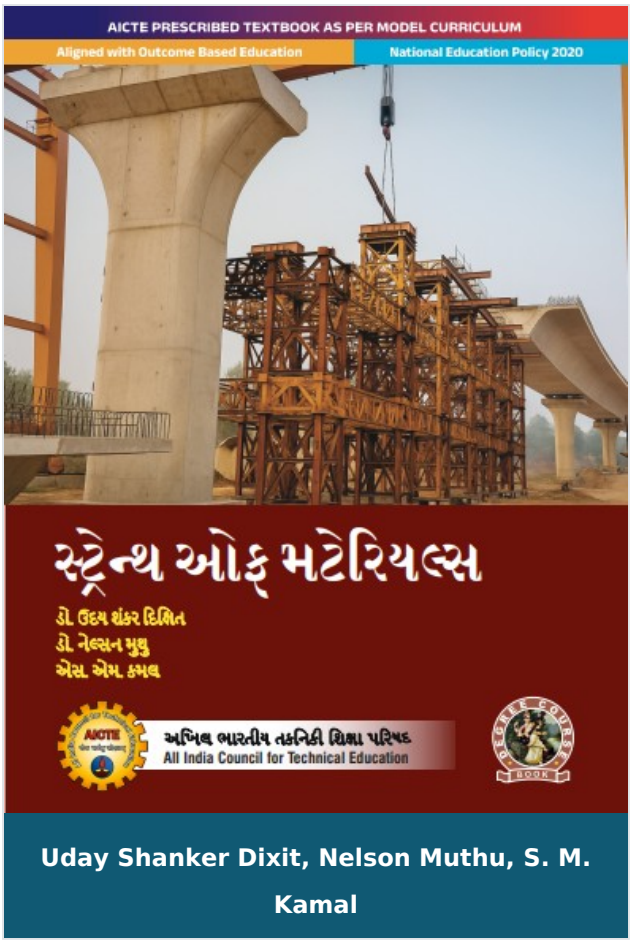
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Prof. R.S. Salaria is a superior teacher, a prolific author and a great motivator. He is an alumnus of IIT, Delhi. He is a Certified Software Quality professional by Ministry of Information Technology, Govt. of India: Sun Certified Programmer as well 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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Uday Shanker Dixit, Nelson Muthu, S. M. Kamal

Strength of Materials

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Product Description

Strength of Materials

This book on Strength of Materials follows so-called engineer’s approach. It is a suitable book for one-semester first course on Solid Mechanics or Strength of Materials for undergraduate students of engineering. The uniqueness of the book is that basic concepts have been covered in a lucid manner such that students can also be prepared to study a course on theory of elasticity (so-called mathematician’s approach) in later classes. There are sufficient number of exercise problems in this book, which prepare students to become practicing engineer or a researcher. The book also contains multiple choice questions. Content of the book, examples and exercise problems have been optimized. Thus, the learning output to effort ratio can be enhanced with the support of this book.

Salient Features:

- Content of the book aligned with the mapping of Course Outcomes, Programs Outcomes and Unit 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.
- Apart from essential information a ‘Know More’ section is also provided in each unit to extend the learning beyond syllabus.

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- Short questions, objective questions and long answer exercises are given for practice of students after every chapter.
- Solved and unsolved problems including numerical examples are solved with systematic steps.

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