

Switched Mode Power Conversion

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Product Description

The switched mode power conversion course is a design and application oriented subject with vast employment and career potential. Presently, the subject invariably has no laboratory component at all. When present, the laboratory session is a euphemism for a dry PC based entry and print out sessions linked to some branded circuit simulation software. However, the students rarely learn the skills of assembling circuits, testing & debugging the same and designing application circuits. This learning module is intended to serve as a bridge course for fresh engineers who take up power engineering as their career. This will aid in filling the gap between the academics and the industry requirement. The material is designed to be schedules for five days. The study material gives an overview of switched mode power conversion with a design example organized in five Chapters as follows. The concepts of power processing, a simple power processing system such as a power converter, elements available at the disposal of a power engineer in the design of efficient power converters are discussed in chapter 1. The study state analyses of the basic converter topologies are explained. The basic design of a power converter is explained in Chapter 2 by a spread sheet procedure. Simulation of the designed topology using circuit simulation software SEQUEL (Solver for Equation with User defined Elements) is discussed. The theoretical estimation of the efficiency of the designed power converter is discussed in Chapter 3. The effects of increase in the switching frequency on the losses incurred in the power converter are discussed with a design example. The state of the art in the power converters are discussed in Chapter 4. The demand is forever moving towards high power densities for which higher switching frequencies becomes inevitable. The problems associated with higher switching frequency are discussed. The technology which provides a solution for high power density power converters such as soft switching are discussed. The concepts of soft switching with an example is explained. Chapter 5 gives an Introduction to construction projects of scaled down power level. These may be

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FOREWORD

PREFACE

Chapter 1: Overview of Power Processing System.

Chapter 2: Design of DC DC Converters.

Chapter 3: Loss Analysis in DC DC Converters.

Chapter 4: Concepts of Soft Switching in DE DE Converters.

Chapter 5: Introduction to Construction Projects.



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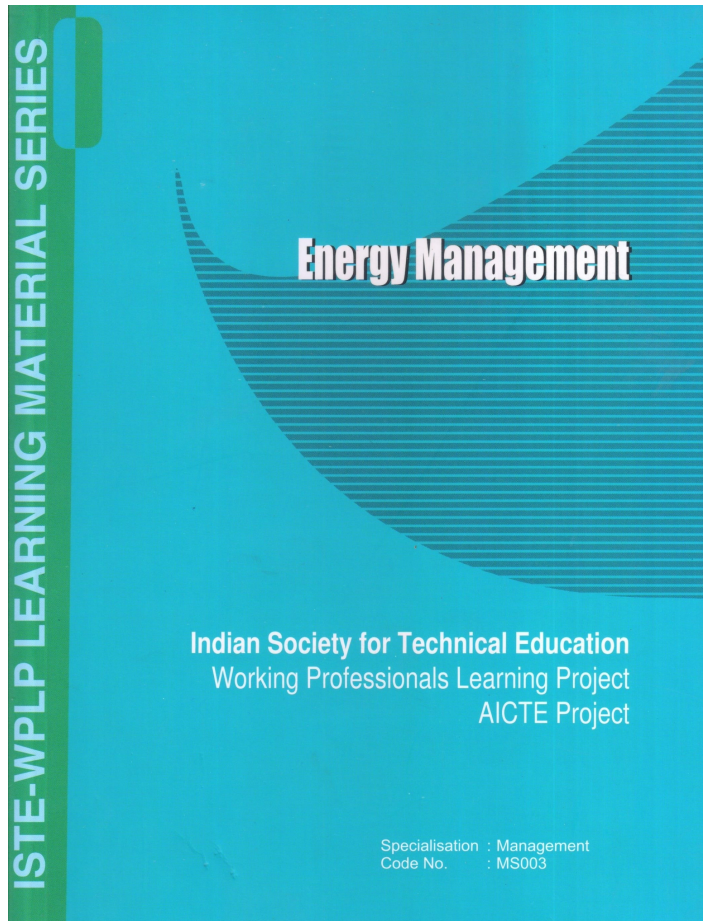
4C/4344, Ansari Road, Daryaganj, New Delhi-110002

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

About Authors

Dr. N. Lakshminarasamma, Faculty, Dept. of Electrical Engineering, Indian Institute of technology, Madras, Chennai. Email: lakshmin@iitm.ac.in N. Lakshminarasamma received B.E. degree in Electrical Engineering in 1994, Master in power electronics in 1997 from Bangalore University, and Ph.D. degree from Indian Institute of Science, Bangalore, India in 2007. Currently she is faculty at Indian Institute of Technology Madras, Chennai. She has 4 years of academic experience in B.M.S. college of Engineering, Bangalore and Nitte Institute of Technology, Bangalore in the Dept. of Electrical Engineering; she has worked as a software engineer with 12 Technologies India Private Limited and as a Systems Engineer in GE Healthcare India Limited. She has coauthored four journal papers in peer-reviewed journals, including the IEEE Transactions on Power Electronics and several premier conferences. Her areas of interest are power electronics, switched mode power converters and resonant converters.





Energy Management

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Product Description

Supply and utilization of energy, forms an integral part of economic development of a country. Further, energy interacts with all aspects of social and economic development, including livelihoods, water, agriculture, industry, environment, population, health education, job creation and gender- related issues. These energy interactions have both positive and negative implications for every sector of the economy as well as for the environment. The objective of the author, is to introduce the prospective readers of this book to the fascinating world of energy and how it interacts with many other systems which are closely connected to the human system. This is done with a focus on India.



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Author

Dr. P. Balachandra is a member of the Faculty, at the Department of Management Studies and Associate Faculty at the Centre for Sustainable Technologies Indian Institute of Science (IISc), Bangalore, India. In addition, he served as a visiting expert at the Harvard Kennedy School, Harvard University, USA; UNDP-Regional Centre, Bangkok; Asian Institute of Technology, Bangkok and Indira Gandhi Institute of Development Research, Mumbai. He received his ph.D. in Energy and Environment from the IISc in 2000. He has about 22 years of Research and Teaching experience in the field of energy, environment and technology management. His Research expertise includes energy & environmental economics and policy, sustainable development, climate change mitigation, technology transfer and diffusion, renewable energy and sustainable mobility. His Research is focused predominantly on policy analysis, technology assessments, economic analyses, modeling and planning, arriving at solutions relevant for developing countries like India and trying from the perspective of sustainable development. He has investigated about 20 research and consultancy projects. Prominent Organizations, for which he has carried out Consultancy/Research assignments, are UNDP, European Commission, World Bank, SIDA AIT, TERI, IGIDR and various ministries of Government of India and private sector organizations. He has co-authored three books and published about 70 papers in various international and National journals, conferences and edited books.



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EDITION

Communication Systems

[Analog and Digital]



Rishabh Anand

Communication Systems [Analog and Digital]

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Categories :	Electrical, Electronics & Communication Engineering
Condition Type :	New
Country Origin :	India

Product Description

This book covers the complete latest syllabus of subject as suggested by most of the universities in India. Step-by-step procedures given for solving problems. A bulleted list of important points is listed in the chapter summary. Proper balance between mathematical detail and qualitative discussion. Moving from the unknown in a logical manner. At the end of the each chapter, a set of short answer questions and numerical are given for quick review of chapter concepts. Subject matter in each chapter develops systematically from inceptions. Book is mainly written for undergraduate Technical students, but you will find it helpful to the students who are preparing for various competitive examinations. Large number of carefully selected worked examples in sufficient details. Most simplified methods used. Each chapter of the book is saturated with much needed text supported by neat and self-explanatory diagrams to make the subject self-speaking to a great extent. Simple and lucid style. No other reference is required. Ideally suited for self study.


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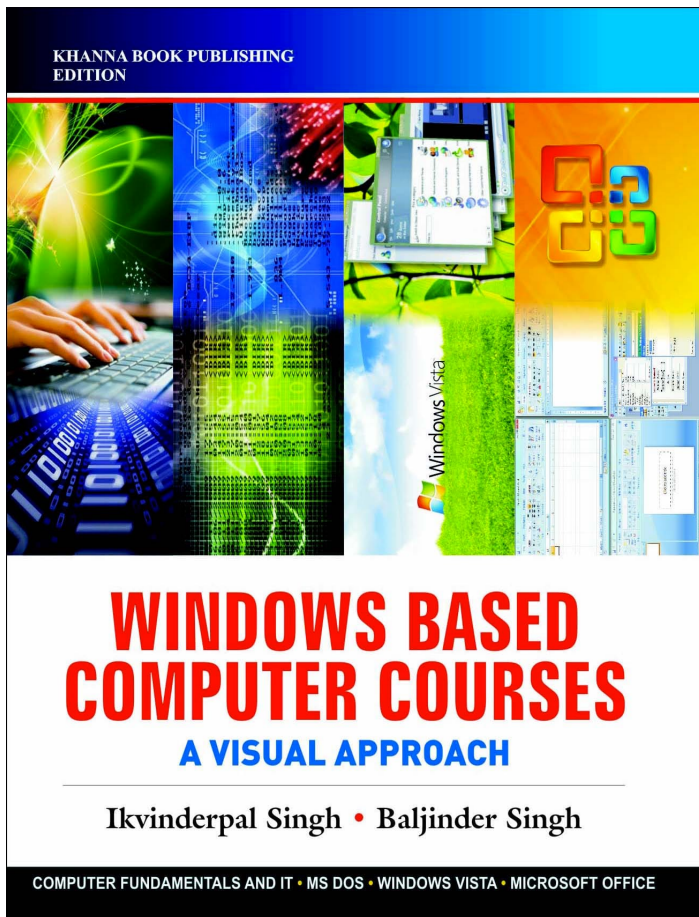
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Chapter 1: Introduction. **Chapter 2:** Signal Analysis and Transmission. **Chapter 3:** Amplitude(Linear) Modulation. **Chapter 4:** Angle Modulation. **Chapter 5:** Probability Theory, Random Variables and Process. **Chapter 6:** Noise. **Chapter 7:** Performance of Communication System. **Chapter 8:** Sampling Theory and Pulse Modulation. **Chapter 9:** Waveform Coding Techniques. **Chapter 10:** Digital Modulation Techniques. **Chapter 11:** Introduction to Information Theory. **Chapter 12:** Digital Band Transmission. **Chapter 13:** Error Control Coding. **Chapter 14:** Digital Multiplexers. **Appendix A:** Mathematical Relationship. **Appendix B:** Fourier Transform Relationship. **Appendix C:** Error Functions. **Appendix D:** Functions. **Appendix E:** Probability Density Functions. **References**

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 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.





Windows Based Computer Courses

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Product Description

This book is meant for a wide range of readers who wish to learn the basic concepts of computer fundamentals, MS DOS, window vista and Microsoft office 2003. In this book we cover all basic concepts of first year computer courses of various Indian Universities in a systematic and simplified manner. While writing this book, it was kept in mind to include only the relevant topics so that it is useful both for learning and reference purpose.

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Unit 1: Computer Fundamentals And Information Technology **Unit 2:** MS DOS. **Unit 3:** Windows Vista. **Unit 4:** Microsoft Office 2003. **Unit 5:** Microsoft Word 2003. **Unit 6:** Microsoft Excel 2003. **Unit 7:** Microsoft PowerPoint 2003. **Unit 8:** Microsoft Access 2003.



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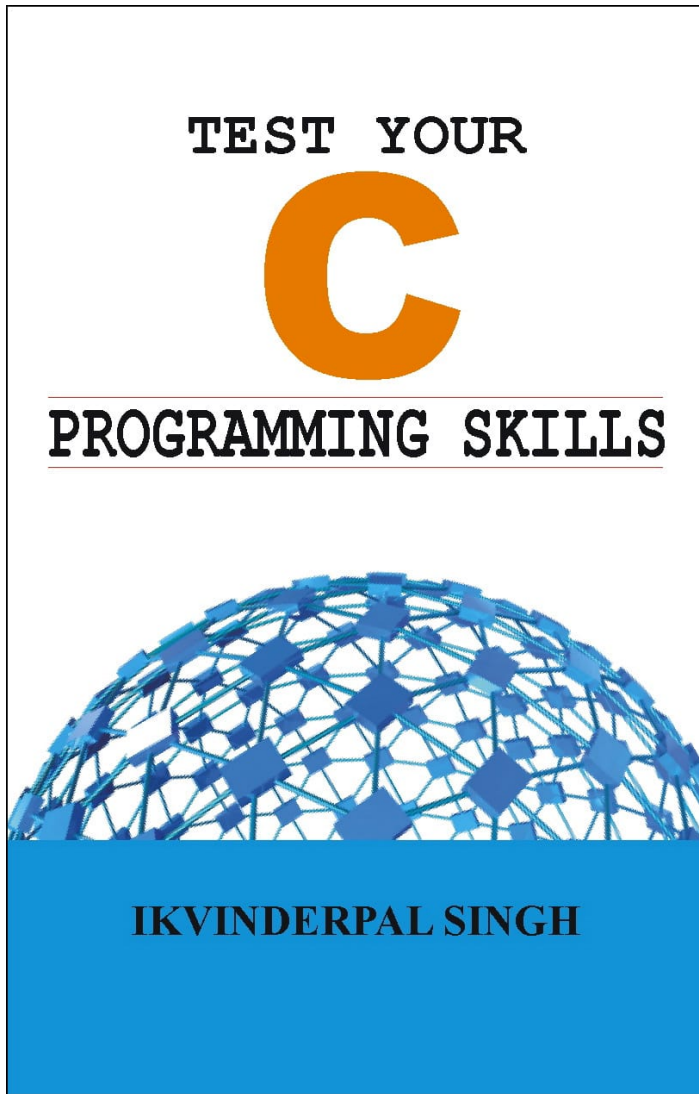
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Email: contact@khannabooks.com | Tel: 011-2324 44 47 - 48 | Mobile: + +91-99109 09320

Author

Ikvinderpal Singh Ikvinderpal Singh, is Lecturer of P.G. Deptt. Of Computer Science & Applications, Khalsa College, Amritsar which is a premier institute in North India. He obtained his MCA with distinction from Guru Nanak Dev University, Amritsar. He has always been excellence right from his student carrier. He has written five books. He brought name for himself when he topped the college in B.Sc. His other areas of interest include Fuzzy systems, digital electronics and java programming.





Test Your C Programming Skills

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Product Description

This book will teach you how to explore the immense potential of C, with lucid explanations to elusive solutions. Many of the Degrees or diplomas or certified programs being conducted in computer science and Information Technology field, it has indeed become difficult for software development companies to separate chaff from the grain. Hence many of the IT companies conduct written test in C language. Through on the face of it C language appears to be simple but it has number of features which can challenge the best in the field. This book will be an excellent guide for aspiring IT professionals and a valuable resource bank, for IT companies, to frame placement papers and technical interviews. Each chapter contains code snippets, Fill in the Blanks, True or false and Objective Type Questions.



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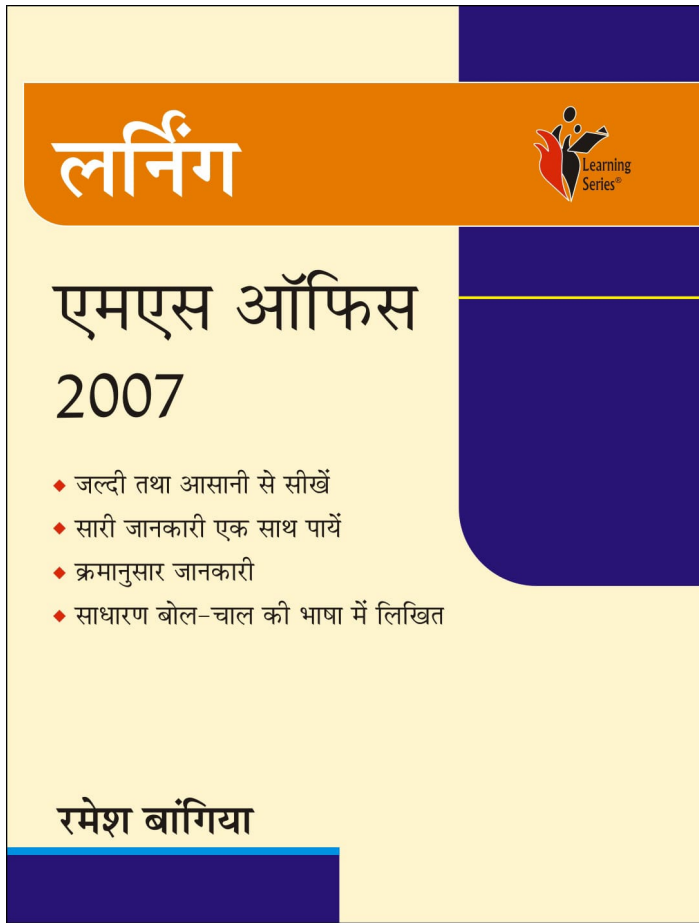
Table of Contents

Chapter 1: Getting Started. **Chapter 2:** Operators and Expressions. **Chapter 3:** Console Input and Output. **Chapter 4:** Control Flow Statements. **Chapter 5:** Arrays. **Chapter 6:** Strings. **Chapter 7:** Functions. **Chapter 8:** Storage Classes. **Chapter 9:** Pointers. **Chapter 10:** Structure and Union. **Chapter 11:** Files. **Chapter 12:** C Preprocessor. **Chapter 13:** C Traps.

Author

Ikvinderpal Singh Ikvinderpal Singh, is Lecturer of P.G. Deptt. Of Computer Science & Applications, Khalsa College, Amritsar which is a premier institute in North India. He obtained his MCA with distinction from Guru Nanak Dev University, Amritsar. He has always been excellence right from his student carrier. He has written five books. He brought name for himself when he topped the college in B.Sc. His other areas of interest include Fuzzy systems, digital electronics and java programming.





Learning MS Office 2007

Author :	Ramesh Bangia
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Condition Type :	New
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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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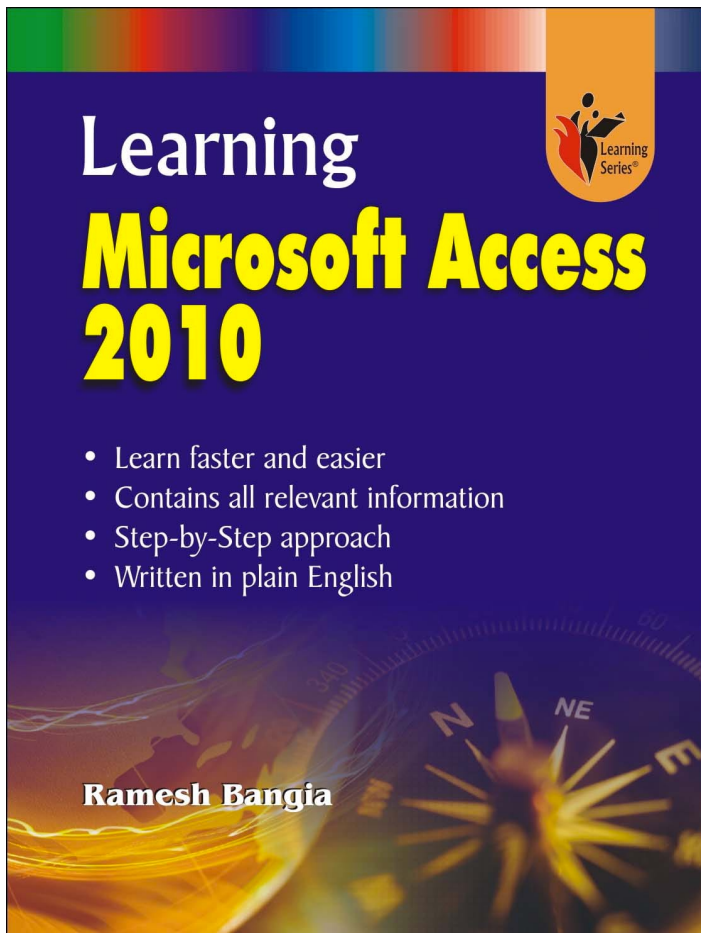
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Chapter 1: Introduction to Windows Vista. **Chapter 2:** Introduction to Microsoft Word 2007. **Chapter 3:** Introduction to Microsoft Excel 2007. **Chapter 4:** Introduction to Microsoft Power Point 2007. **Chapter 5:** Introduction to Microsoft Access 2007. **Chapter 6:** Keyboard Shortcuts of Microsoft Office 2007. **Chapter 7:** Questions.

Author

Ramesh Bangia For the last fifteen years, 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 East and African countries.





Learning Microsoft Access 2010

Author :	Ramesh Bangia
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ISBN 10 :	93-81068-01-1
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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. Microsoft access 2010 is a database program especially for the users who have to work on database, their creation, editing and then working on it to get the most out of the data. Each factor of database, like Table, Query, Form, etc, are dealt with in details. The language of the text of the book is lucid, direct and easy-to understand. Each chapter is laced with various diagrams wherever possible. Creation of each like database, table, form etc, has been explained extensively. Tips for working faster using the keyboard shortcuts are also provided.



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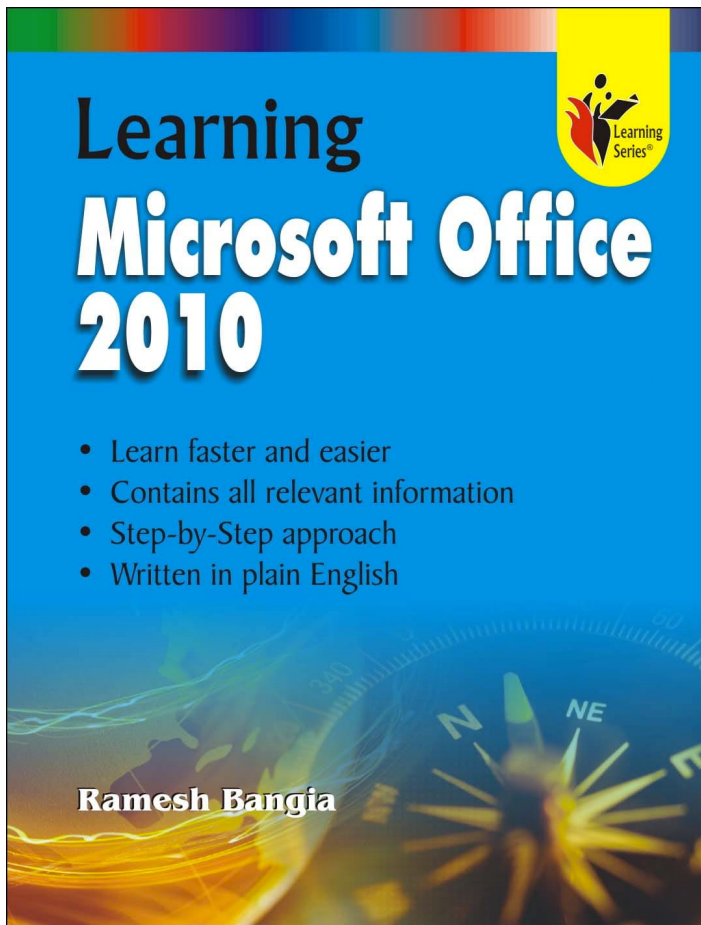
Table of Contents

Chapter 1: Introduction to Microsoft Office 2010. **Chapter 2:** What's New in Microsoft Access 2010. **Chapter 3:** Introduction to Relational Database. **Chapter 4:** Creating a Database in Microsoft Access 2010. **Chapter 5:** Creating a Table in Microsoft Access 2010. **Chapter 6:** Creating a Form in Microsoft Access 2010. **Chapter 7:** Creating a Query in Microsoft Access 2010. **Chapter 8:** Creating a Report in Microsoft Access 2010. **Chapter 9:** Expressions in Microsoft Access 2010. **Chapter 10:** Microsoft Access 2010 Specifications. **Chapter 11:** Keyboard Shortcuts of Microsoft Access 2010. **Chapter 12:** Questions.

Author

Ramesh Bangia For the last fifteen years, 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 East and African countries.





Learning Microsoft Office 2010

Author :	Ramesh Bangia
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Product Description

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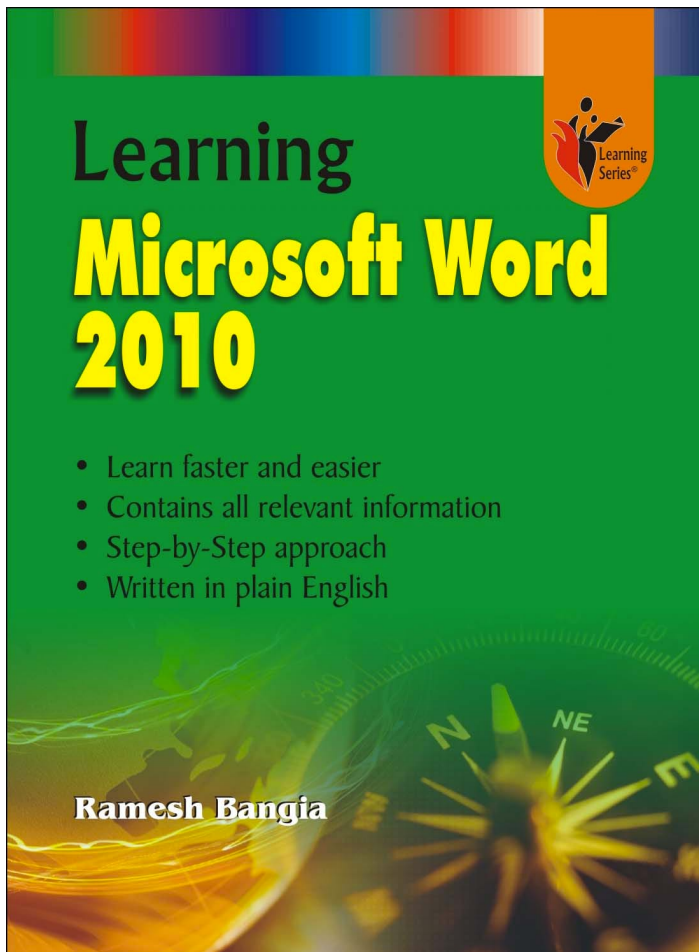
Table of Contents

Chapter 1: Introduction to Microsoft Windows 7. **Chapter 2:** Introduction to Microsoft Word 2010. **Chapter 3:** Introduction to Microsoft Excel 2010. **Chapter 4:** Introduction to Microsoft PowerPoint 2010. **Chapter 5:** Introduction to Microsoft Access 2010. **Chapter 6:** Other Software of Microsoft Office 2010. **Chapter 7:** Keyboard Shortcuts of Microsoft Office 2010. **Chapter 8:** Questions.

Author

Ramesh Bangia For the last fifteen years, 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 East and African countries.





Learning Microsoft Word 2010

Author :	Ramesh Bangia
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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. Microsoft word 2010 is a word processing program used for creating letter, e-mail, office memos, brochures, fax messages, etc. This book explains the working of the software in details especially in the case of mail Merge, Table of contents, header and footer, page breaks, etc. each command of the various panels are explained in details. The language of the text of the book is lucid, direct and easy-to understand. Each chapter is laced with various diagrams wherever possible. Mail merge has been explained with a live example. Tips for working faster using the keyboard shortcuts are also provided.



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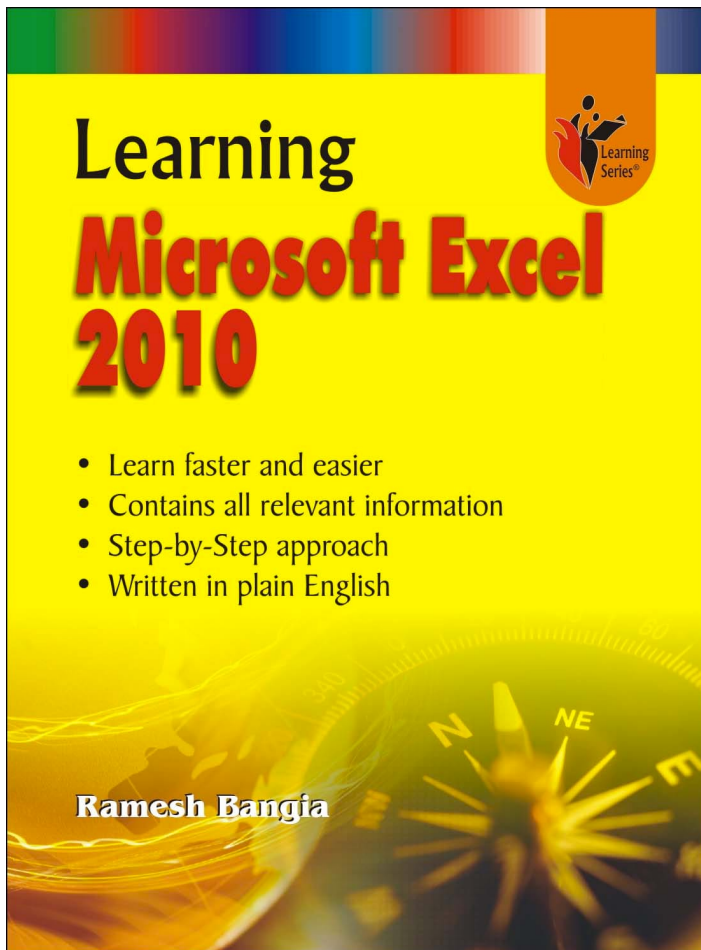
Table of Contents

Chapter 1: Introduction to Microsoft Office 2010. **Chapter 2:** Introduction to Microsoft Word 2010. **Chapter 3:** Working with a Document in Microsoft Word 2010. **Chapter 4:** Customizing Microsoft Word 2010. **Chapter 5:** Mail Merging Documents in Microsoft Word 2010. **Chapter 6:** Working with Longer Documents in Microsoft Word 2010. **Chapter 7:** Creating Tables in Microsoft Word 2010. **Chapter 8:** Working with Graphics and Charts in Microsoft Word 2010. **Chapter 9:** Additional Commands of Microsoft Word 2010. **Chapter 10:** Keyboard Shortcuts of Microsoft Word 2010. **Chapter 11:** Questions.

Author

Ramesh Bangia For the last fifteen years, 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 East and African countries.





Learning Microsoft Excel 2010

Author :	Ramesh Bangia
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ISBN 10 :	93-81068-02-X
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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. Microsoft Excel 2010 is a spreadsheet program used for worksheet based requirements. The book takes you around the software and explains the working with the help of a live example. Insertions of the various types of graphics and images drawings, etc., are also explained. various types of functions are there in excel, which are covered in the book. They are listed in the book and few of them have been explained with the of the examples. 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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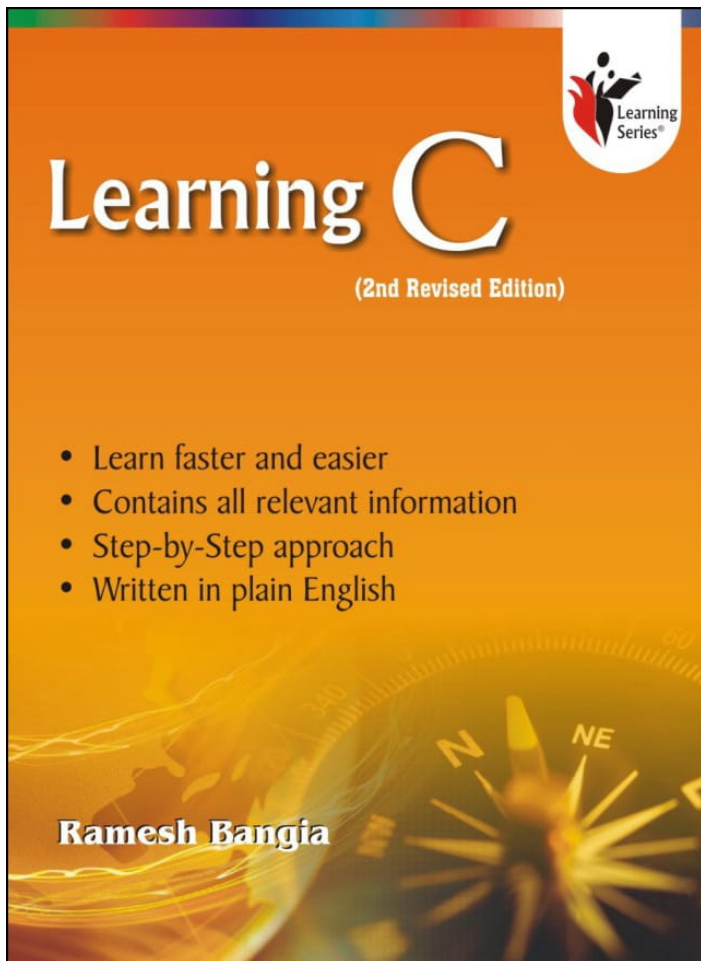
Table of Contents

Chapter 1: Introduction to Microsoft Office 2010. **Chapter 2:** What's New in Microsoft Excel 2010. **Chapter 3:** Spreadsheet Basics. **Chapter 4:** Creating a Worksheet in Microsoft Excel 2010. **Chapter 5:** Advance Techniques of Microsoft Excel 2010. **Chapter 6:** Charts in Microsoft Excel 2010. **Chapter 7:** Web Based Commands of Microsoft Excel 2010. **Chapter 8:** Functions in Microsoft Excel 2010. **Chapter 9:** Glossary of Words used in Microsoft Excel 2010. **Chapter 10:** Keyboard Shortcuts in Excel 2007. **Chapter 11:** Questions.

Author

Ramesh Bangia For the last fifteen years, 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 East and African countries.





Learning C

Author :	Ramesh Bangia
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Categories :	BASIC COMPUTER BOOKS, Learning Series
Condition Type :	New
Country Origin :	India

Product Description

Learning of a software is both easy and difficult. It depends upon what level you planning to learn. If you are learning only for the working use, then it is very easy. But, when you try to go deep into it, then you realise how difficult it is to master it. C is such a vast subject that it will take a lot of time to understand it fully. This book has been written in mind to make you aware of the options available in the software and how they can be used. It is like telling the child about the steps and stairs. You are the one who is to climb the stair. This book will just guide you how to use the stairs.

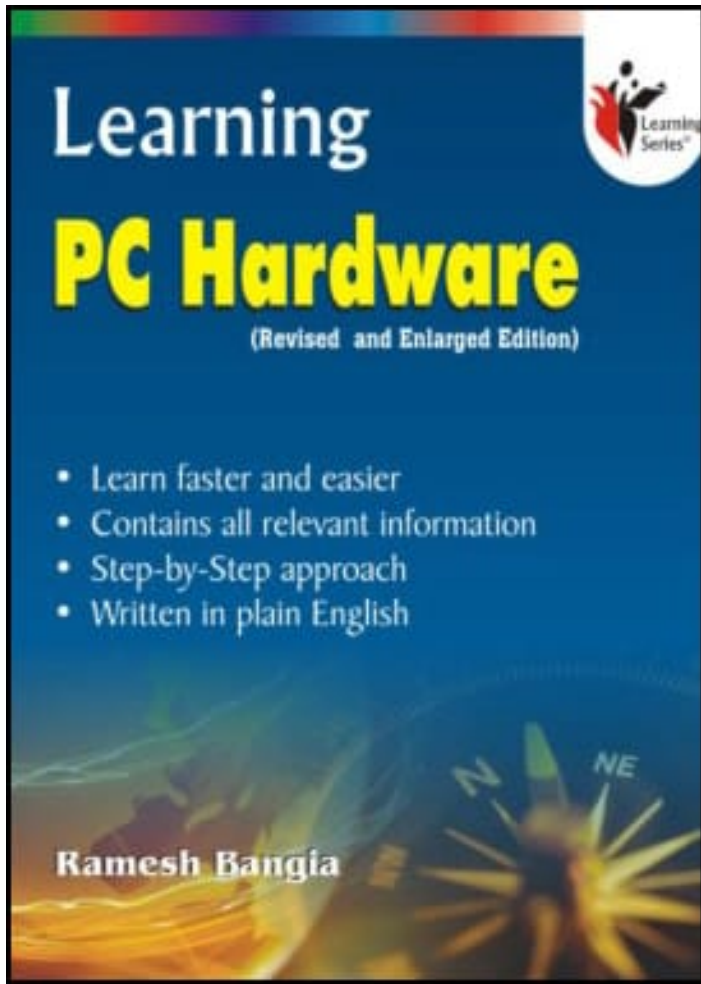
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Chapter 1: Introduction to C. **Chapter 2:** Structures in C. **Chapter 3:** Functions and Pointers in C. **Chapter 4:** Arrays in C. **Chapter 5:** Strings in C. **Chapter 6:** Input Output Operations in C. **Chapter 7:** Library Functions in C. **Chapter 8:** Unions Stacks, Links and Queues. **Chapter 9:** File Processing and Pre Processor Directives. **Chapter 10:** Turbo C. **Chapter 11:** Projects in C. **Chapter 12:** Questions.

Author

Ramesh Bangia For the last fifteen years, 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 East and African countries.





Learning PC Hardware

Author :	Ramesh Bangia
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Chapter 1: Introduction to PC Hardware. **Chapter 2:** Input Devices. **Chapter 3:** Output Devices. **Chapter 4:** Storage Devices. **Chapter 5:** Inside the CPU. **Chapter 6:** Boot Process and BIOS. **Chapter 7:** Computer Memory. **Chapter 8:** Maintaining the Computer. **Chapter 9:** Assemble a Computer. **Chapter 10:** Questions.

Author

Ramesh Bangia For the last fifteen years, 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 East and African countries.



Computer Fundamentals and Programming in C



Joginder Singh Cheema
Rajwinderpal Sharma
Ikvinderpal Singh

Computer Fundamentals & Programming in C

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Product Description

Explains the introduction to computers, history of computer, computer generations, classification of computers and applications of computer in corporate environment. Presents the basic organization of a computer system and its internal working. Describes the concept of number systems, computer codes and arithmetic, logic gates and Boolean algebra. Introduces the concept of primary and secondary storage. Explains the concept of different input and output devices. Presents the concept of computer software's and programming languages. Deals with commonly used various tools for planning the computer program like algorithm, flowcharts, pseudo code and decision tables. Complete introduction to C Programming including basic structure is given in detail. Extensive coverage of constants, variables, various data types are given in detail. Various types of operators and expressions are described with the help of examples and simple programs. Demonstrates the description of console I/O statements in a lucid manner. Each and every control statement is described with the help of flowcharts and simple programs. Includes numerous illustrative examples to understand the topic easily. Demonstrate every program in a good programming style. Around 200 numerous solved C Programs and 100 objective type questions are included. Contains numerous theory exercises at the last of each chapter. Gives detailed description of arrays, strings and functions in lucid manner. Covers all concepts of pointers like array and pointer, function and pointer, dynamic memory allocation in detail. Detailed analysis of each and every storage class is covered with the help of programming examples. Detailed description to the concept of structures and unions.

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UNIT I Chapter 1: Introduction to Computer. **Chapter 2:** Basic Computer Organization. **Chapter 3:** Number System, Logic Gates and Boolean Algebra. **Chapter 4:** Computer Arithmetic and Codes. **Chapter 5:** Computer Languages. **Chapter 6:** Chapter 6: Primary Storage & Secondary Storage. **Chapter 7:** Input & Output Devices. **Chapter 8:** Planning The Computer Program. **Chapter 9:** Computer Software. **Chapter 10:** Operating Systems.

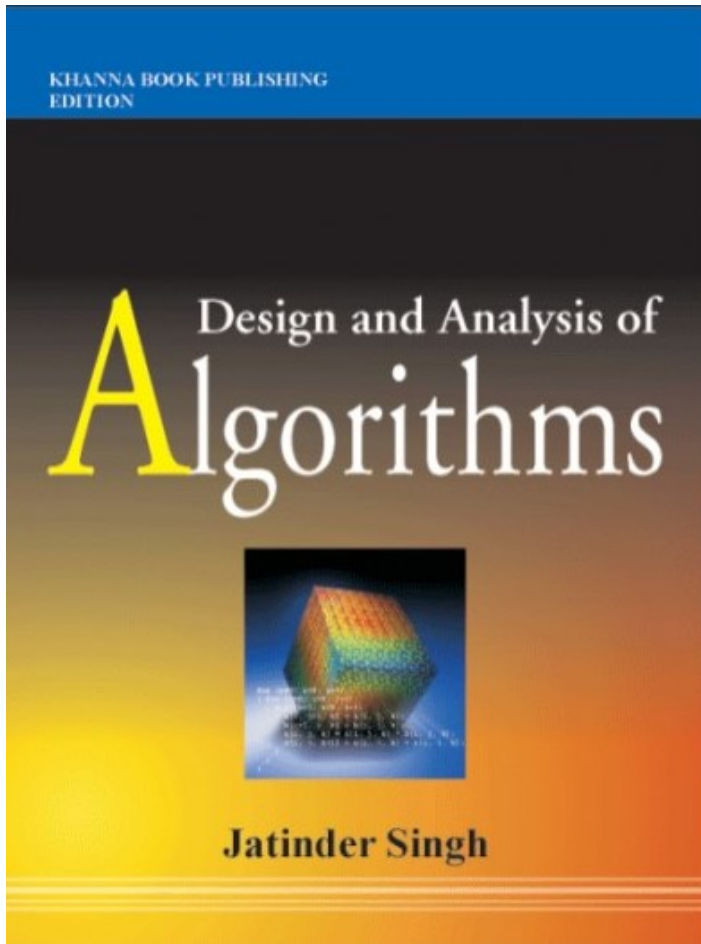
UNIT 2 Chapter 1: Getting started with C. **Chapter 2:** Operators and Expressions. **Chapter 3:** Console Input and Output statements. **Chapter 4:** Control Statements. **Chapter 5:** Arrays. **Chapter 6:** Strings. **Chapter 7:** Functions. **Chapter 8:** Storage Classes. **Chapter 9:** Pointers. **Chapter 10:** Structures and Unions. **Chapter 11:** C Preprocessor and Character Test Functions. **Standard Library Functions List of Library Ascii Chart**



Author

Ikvinderpal Singh Ikvinderpal Singh, is Lecturer of P.G. Deptt. Of Computer Science & Applications, Khalsa College, Amritsar which is a premier institute in North India. He obtained his MCA with distinction from Guru Nanak Dev University, Amritsar. He has always been excellence right from his student carrer. He has written five books. He brought name for himself when he topped the college in B.Sc. His other areas of interest include Fuzzy systems, digital electronics and java programming.





Design & Analysis of Algorithms

Author :	Jatinder Singh
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Product Description

This book is an ideal text to provide in depth knowledge on design and analysis of algorithm. The purpose of the book is to make the students understand the fundamentals of design and analysis of algorithm conveniently. It is meant to be used as a text book for BSc/BCA/MCA/MSc/ B.E./B. Tech/MSc/MS/M. Tech and diploma courses, and as a reference book.



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UNIT - 1 Chapter 1: Data Structure Basics. **Chapter 2:** Analysis of Algorithms. **Chapter 3:** Growth of Functions. **Chapter 4:** Sorting Algorithms. **UNIT - 2 Chapter 1:** B-trees: Balanced Trees. **Chapter 2:** Binary Search Trees. **Chapter 3:** Disjoint Sets. **UNIT - 3 Chapter 1:** Dynamic Programming. **Chapter 2:** The Greedy Method. **Chapter 3:** Backtracking. **Chapter 4:** Divide and Conquer. **Chapter 5:** Branch and Bound. **UNIT - 4 Chapter 1:** Graphs. **Chapter 2:** Single-Source Shortest Path. **Chapter 3:** All-Pairs Shortest Paths. **Chapter 4:** Dijkstra's Algorithm. **Chapter 5:** Minimum-Cost Spanning Trees. **UNIT - 5 Chapter 1:** String Matching. **Chapter 2:** Randomization. **Chapter 3:** Amortized Analysis of Data Structure.

Author

Jatinder Singh Er. Jatinder Singh (Asst. Professor) Dept. of I.T. , S.S.S. College of Engg. And Tech. Gurdaspur (PB).



KHANNA BOOK PUBLISHING
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Internet Applications



Ikvinderpal Singh
Sapandeep Kaur
Monika Shahi

Internet Applications

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Product Description

This book is meant for a wide range of readers, who wish to learn the basic concepts of internet applications. In the book we cover all basic concepts of internet of various Indian Universities in a systematic and simplified manner. While writing this book, it was kept in mind to include only the relevant topics so that it is useful both for learning and reference purpose. Internet applications have been introduced from the first principles and discussed in an easy manner, so that a beginner can grasp the concepts of working of internet, E-mail, internet protocols, newsgroup, worldwide web, search engines, internet and extranet, web designing using HTML, DHTML with programming techniques.



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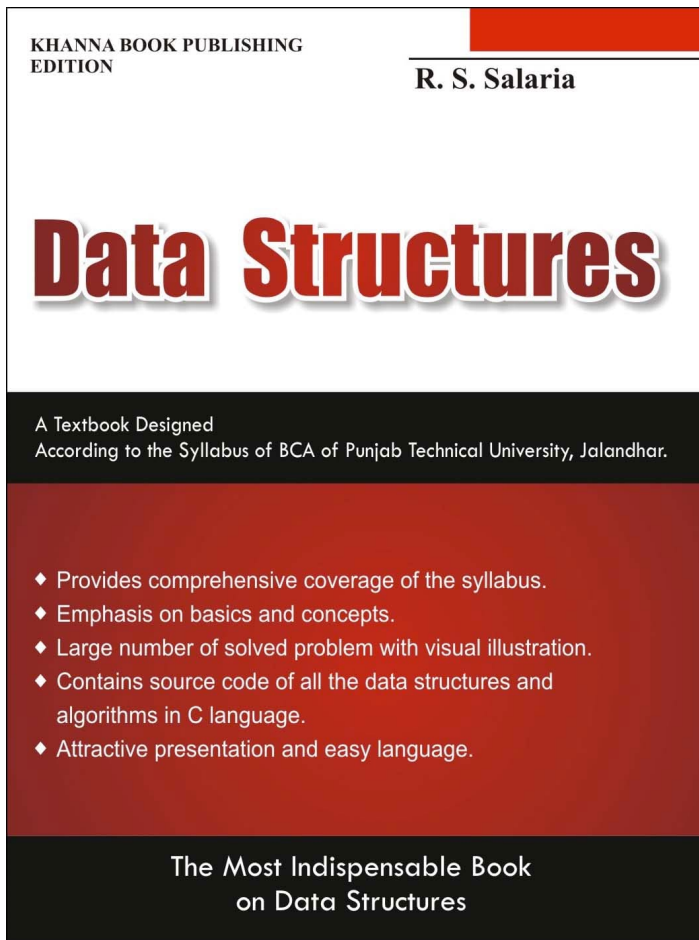
Table of Contents

Chapter 1: Introduction. **Chapter 2:** E-mail. **Chapter 3:** Internet Protocols. **Chapter 4:** Usenet Newsgroups. **Chapter 5:** World Wide Web (WWW). **Chapter 6:** HTML. **Chapter 7:** Forms in HTML. **Chapter 8:** Cascading Style Sheets (CSS). **Chapter 9:** Javascript. **Chapter 10:** DHTML. **Chapter 11:** Search Engines. **Chapter 12:** Intranet & Extranet.

Author

Ikvinderpal Singh Ikvinderpal Singh, is Lecturer of P.G. Deptt. Of Computer Science & Applications, Khalsa College, Amritsar which is a premier institute in North India. He obtained his MCA with distinction from Guru Nanak Dev University, Amritsar. He has always been excellence right from his student career. He has written five books. He brought name for himself when he topped the college in B.Sc. His other areas of interest include Fuzzy systems, digital electronics and java programming.





Data Structures

Author :	R.S. Salaria
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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 putting them into practice. This book will help the student to meet all their basic requirements.



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Chapter 1: Introduction To Data Structures.

Chapter 2: Introduction To Algorithms.

Chapter 3: Arrays.

Chapter 4: Linked Lists.

Chapter 5: Stacks.

Chapter 6: Queues.

Chapter 7: Trees.

Chapter 8: Sorting And Searching.

Author

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.

