

Kamatchi K. S., Sundaravelrani

Open Source Software

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Product Description

Open Source Software

Open-Source Software (OSS) has fundamentally transformed the modern technological landscape, becoming the backbone of computing by driving innovation, collaboration, and democratizing access to powerful tools.

Open Source Software is a comprehensive guide designed to equip both seasoned developers and newcomers with the theoretical and practical knowledge needed to thrive in the open-source ecosystem. The book starts with an in-depth exploration of the legal landscape, clarifying complex topics such as copyright, patents, and licensing (including GPL, MIT, and Apache) to ensure legal compliance in open-source projects.

The technical journey delves into the foundational tools, including the indispensable GNU/Linux operating system and its core utilities, compilers, and linkers. It masters open-source programming techniques such as version control (Git), code reviews, and effective development toolchains. Ultimately, this text empowers you to contribute to and leverage OSS systems, transforming you from a user into a vital participant in the global open collaboration movement.

Salient Features:

- **Legal and Licensing Mastery**: Comprehensive coverage of Intellectual Property (IP) Rights and the core concepts of Free Software (the four freedoms). Detailed analysis of copyleft licenses (GPL, AGPL) versus permissive licenses (MIT, Apache, BSD).
- **GNU/Linux System Essentials**: Installation and configuration of GNU/Linux distributions, including mastering basic shell commands for file/directory management.

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- **Server Configuration**: Practical instruction on setting up and managing open-source Email (Postfix), Web (Apache), File (NFS), and Proxy Services.
- **Programming and Debugging Tools**: Deep understanding of GNU LIBC Libraries, Compilers, and Linkers, along with powerful tools for Memory Debugging/Profiling (Mpatrol and Valgrind).
- **Scripting and Automation**: Hands-on introduction to Bash, SED, and AWK scripting for system automation and data manipulation.
- **GUI Application Development**: Introduction to cross-platform GUI Programming using open-source frameworks like Qt and GTK+, including techniques for Localization.
- **FOSS Philosophy and Trends**: Examination of the FOSS philosophy and trends, including its global and Indian adoption and potential.

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- Overview Of Free/Open Source Software
- Linux
- Open Source Tools and Technologies for Hardware and E-Mail server
- Understanding GNU LIBC Libraries, compilers and linker
- Open-source Programming Techniques
- Exercise

Author

Kamatchi K. S.

P. Jeyanthi, Sankari M., Kamatchi K. S.

Sundaravelrani

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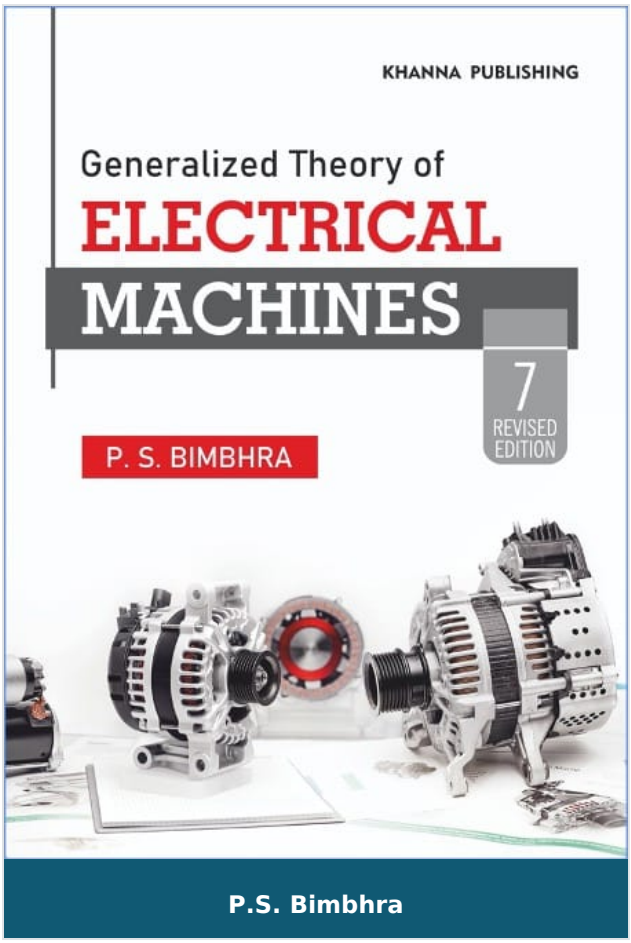

Generalized Theory of Electrical Machines

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Product Description

This textbook “Generalized Theory of Electrical Machines” is based on the latest syllabus of the Universities and Educational Institutes. In this edition, some materials of the book has been rewritten so as to make the presentation easily comprehensible. More illustrative examples mainly from IAS, IES and GATE and other competitive examinations have been added and problems material with answers, at the end of each chapter, has been considerably enlarged.

Salient Features:

1. Elements of Generalized Theory
2. Linear Transformations in Machines
3. D.C. Machines
4. Polyphase Synchronous Machines
5. Polyphase Induction Machines
6. Single Phase Motors
7. A.C. Commutator Machines
8. Transformers
9. Special Machines
10. Appendices
11. References

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- LINER TRANSFORMATIONS IN MACHINES
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- A.C. COMMUTATOR MACHINES
- TRANSFORMERS
- SPECIAL MACHINES
- APPENDIX
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Author

P.S. Bimbhra

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

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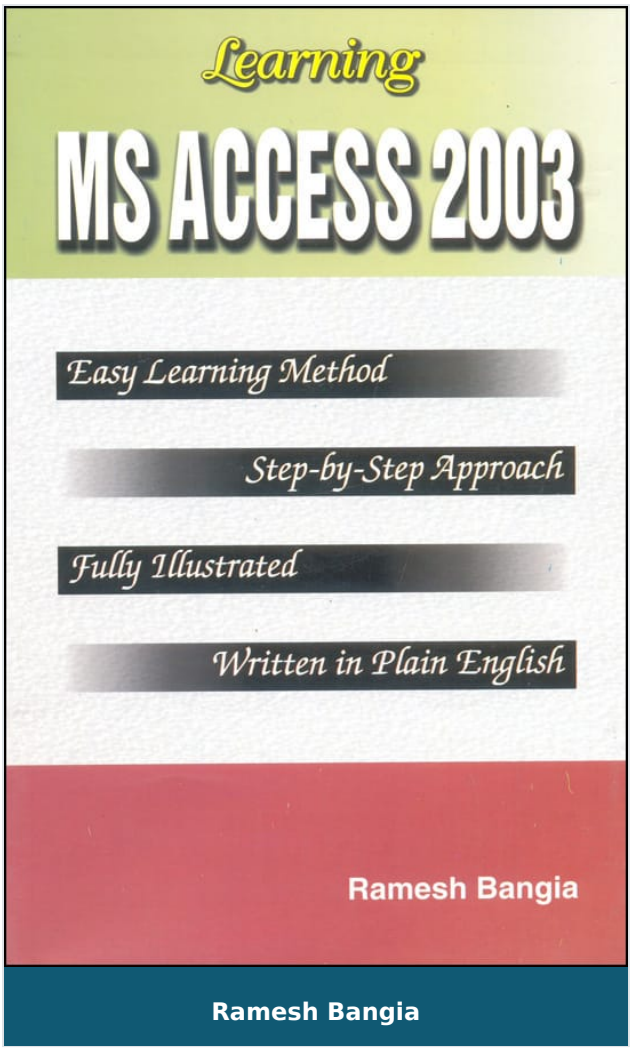

Learning MS Access 2003

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- Questions

Author

Ramesh Bangia

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

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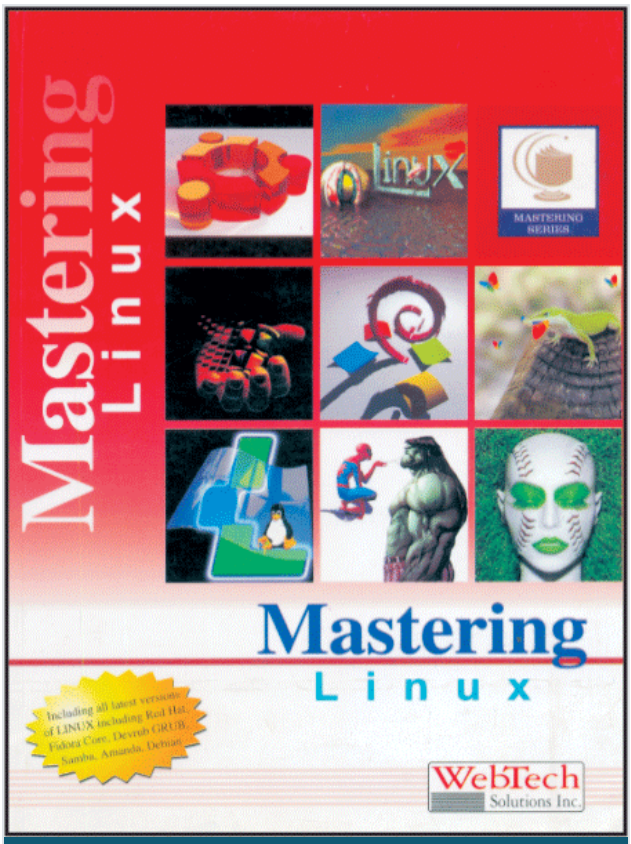

WebTech Sol.

Mastering Linux

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Product Description

Mastering Linux is a handy book that teaches you inside-out of the operating system called LINUX in the most effective way possible. It provides the reader with the step-by-step use and functionalities of the software for easy and efficient working of it. With information on upgrading, customizing, troubleshooting, and key shortcuts, this book provides the ready reference you need to keep your network working. The book is very useful of the people who desired to get the complete knowledge of all the features, tools, utilities of the operating system Linux.

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- Configuring Printers
- TCP/IP Networking
- TCP/IP Browsers
- The Network File System
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- Connecting to Microsoft and Novell Networks
- Network Services and Proxies
- Web Server, DHCP and DNS
- Optimizing Network Services
- Mail Server
- FTP and Telnet
- Optimizing Internet Services
- Keeping Your System Updated with up2date
- Backing Up and Restoring the File System

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Author

WebTech Sol.

WebTech Sol. WebTech Solutions Inc. is one of the pioneers of the technology industry. Webtech Solution Inc. is a leading IT development company bringing the latest technologies in a short span of time. Its professional research team aims to deliver the latest information on the best ways to analyze, develop, test, debug and tune best development skills including technical coding and theoretical concepts of IT. Its main aim is committed to excellence: excellence in its range and quality of publishing; excellence in dedication to its authors and excellence in the service it provides to the readers.

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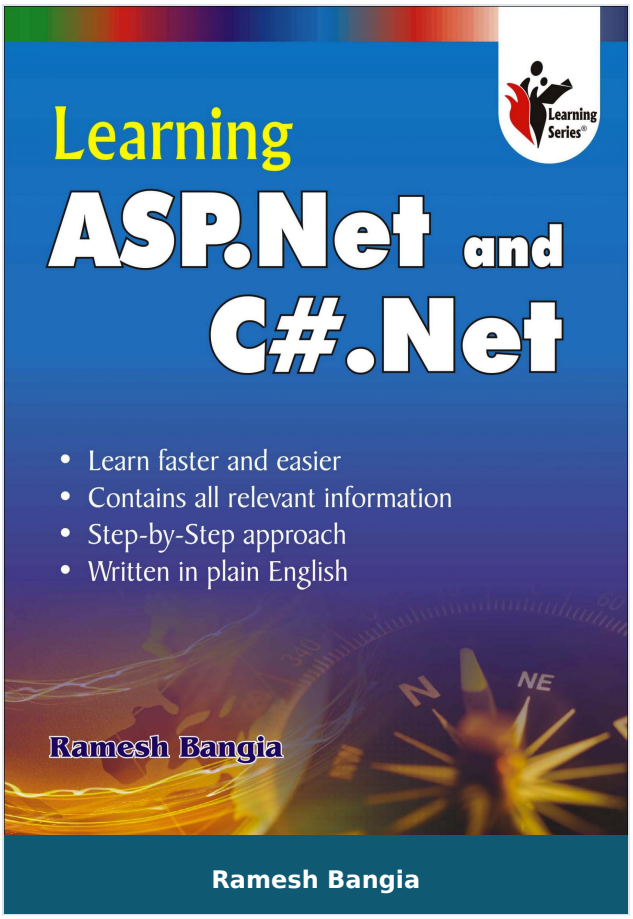

Learning ASP.Net and C#.Net

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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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- Designing Websites with Themes
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- Introducing Classes and Objects in C#
- Arrays and Strings in C#
- Operators and Overloading in C#
- Questions

Author

Ramesh Bangia

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

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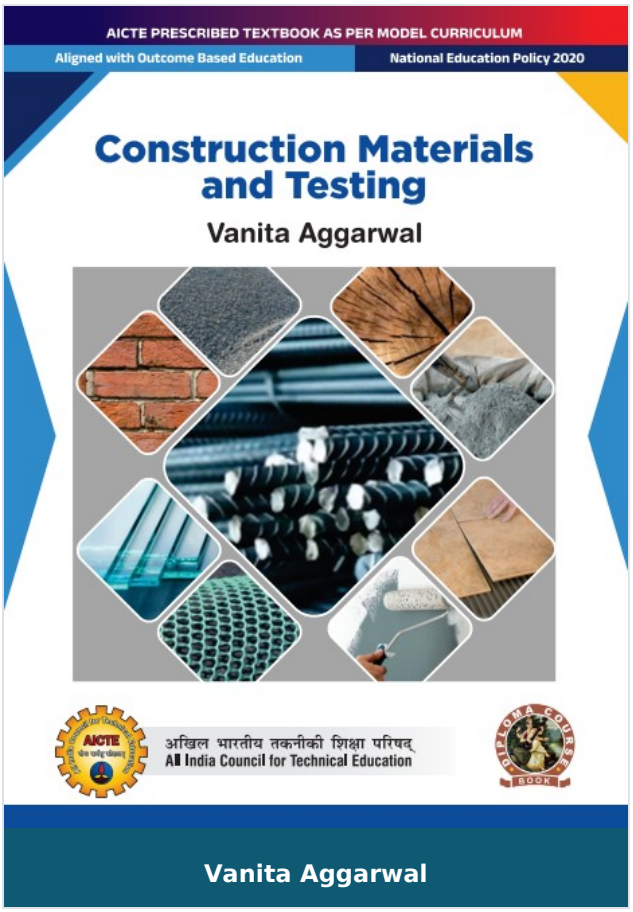

Construction Materials and Testing

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Product Description

Construction Materials and Testing

This book familiarizes the students with different types of Construction Materials. It provides exposure of conventional as well as advanced materials to Civil Engineering students. The content includes details of a relative comparison, merits and demerits, and challenges of different types of materials used in construction and their application in real life projects.

The main aim of this book is to enable students to reach the most suitable material for use in different scenarios. The content of this book is aligned with the model curriculum of AICTE followed by concept of outcomes-based education as per the National Education policy (NEP)2020.

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.
- 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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- Processed Construction Materials
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- References for Further Learning
- Index

Author

Vanita Aggarwal

Dr. Vanita Aggarwal Professor And Head Department of Civil Engineering Maharishi Markandeshwar (Deemed to be University) Mullana (Ambala), Haryana

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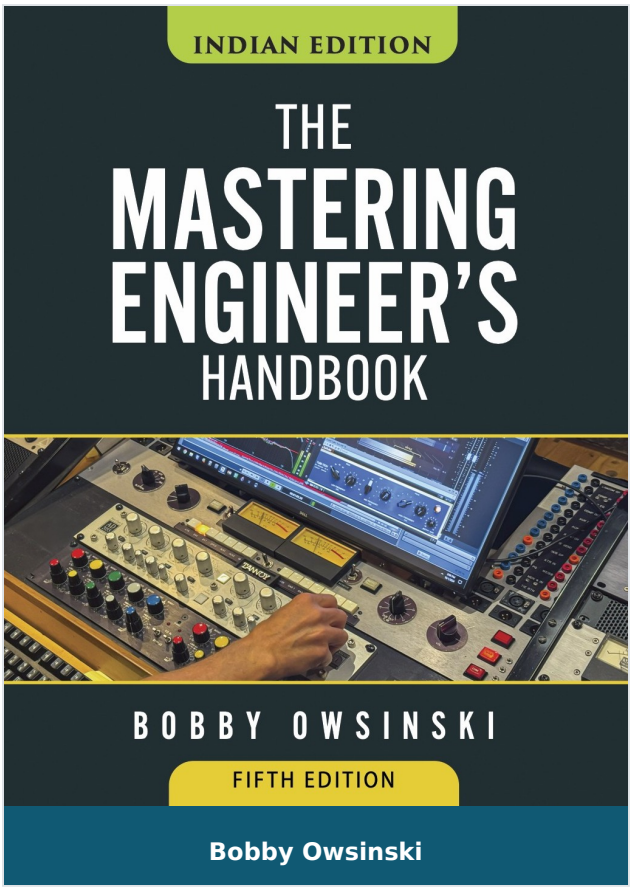

The Mastering Engineer's Handbook (Indian Edition)

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Product Description

Self-Mastering Made Simple with Insider Secrets- Expert Advice from The Pros

Audio mastering remains the essential final step in the audio production process, where the recording ‘s final mix is polished and prepped for release and distribution. In this thoroughly updated fifth edition of Bobby Owsinski’s classic The Mastering Engineer’s Handbook, you’ll find the latest insights and techniques for creating professional-grade, well-mastered recordings.

With the growing availability of powerful, cost-effective mastering plugins and online services, today’s musicians and engineers have more resources than ever at their disposal. However, the challenge remains in understanding these tools and using them effectively. This newly redesigned edition not only covers the fundamentals of mastering but also drives into advanced techniques for both self-mastering or preparing your mix for professional mastering, using the latest developments in technology and industry trends. Whether you’re a seasoned pro or just getting started, this handbook will guide you through the entire mastering process with clarity and precision.

Topics Include:

. The simple technique for making a competitive-level master

. A brand-new chapter dedicated to the latest mastering plugins and how you can get results like a pro

. A new chapter on online mastering services and how to get the best results from them.

. An updated look at the latest in vinyl mastering, including the new eco-minded pressing options.

. A new chapter on mastering immersive audio formats like Dolby Atmos and Sony 360RA

. 7 new interviews with the hottest master engineers

. Everything you wanted to know about LUFS levels, including when they’re important and when to ignore them

, Understanding the gap between your work and professional mastering results

. A new Takeaways section at the end of each chapter to highlight the key points

The book also includes exclusive interviews with some of the most sought-after master engineers in the industry, who share their personal techniques and insider tips. Their expert advice will guide you in mastering your music with confidence, creativity, and precision.

Give your tracks the professional edge they deserve with the invaluable expertise offered in The Mastering Engineer’s Handbook, Fifth Edition.

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- PART II; THE INTERVIEWS
- Maor Appelbaum
- Eric Boulanger – The Bakery
- Colin Lenar – SING Mastering
- Pete Lyman – Infrasonic Mastering
- Ryan Schwabe
- Ian Shepherd
- Howie Weinberg

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- Bob Ludwig – Gateway Mastering
- Doug Sax – The Mastering Lab
- Glossary
- About Bobby Owsinski

Author

Bobby Owsinski

Bobby Owsinski is one of the bestselling authors in the music industry with 24 books that are staples in audio recording, music and music business programs in colleges around the world, including the Mixing Engineer’s Handbook, The Music Producer’s Handbook, Music 4.0: A Survival Guide for Making Music in the Internet Age, and more. He’s also a contributor to Forbes covering the new music business, his popular production and music industry blogs are over 8 million visits, and he’s appeared on CNN and ABC News as a music branding and audio expert. Visit BobbyOwsinskiBlog.com, his music industry blog at Music3Point0.com, his podcast at BobbyOlnnerCircle.com, and his website at BobbyOwsinski.com.

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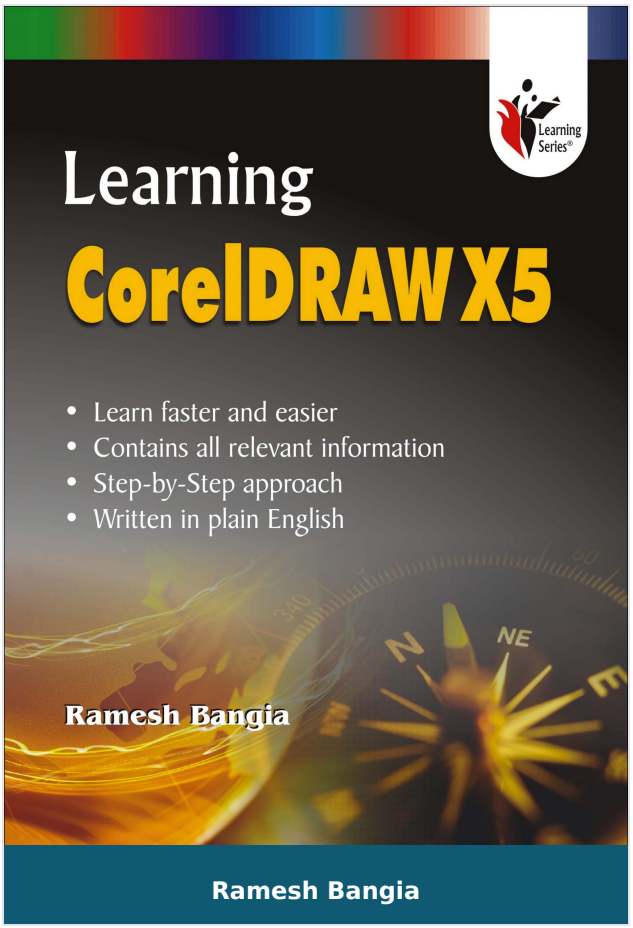

Learning CorelDraw X5

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Product Description

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- Keyboard Shortcuts to Corel Draw X5
- Questions

Author

Ramesh Bangia

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

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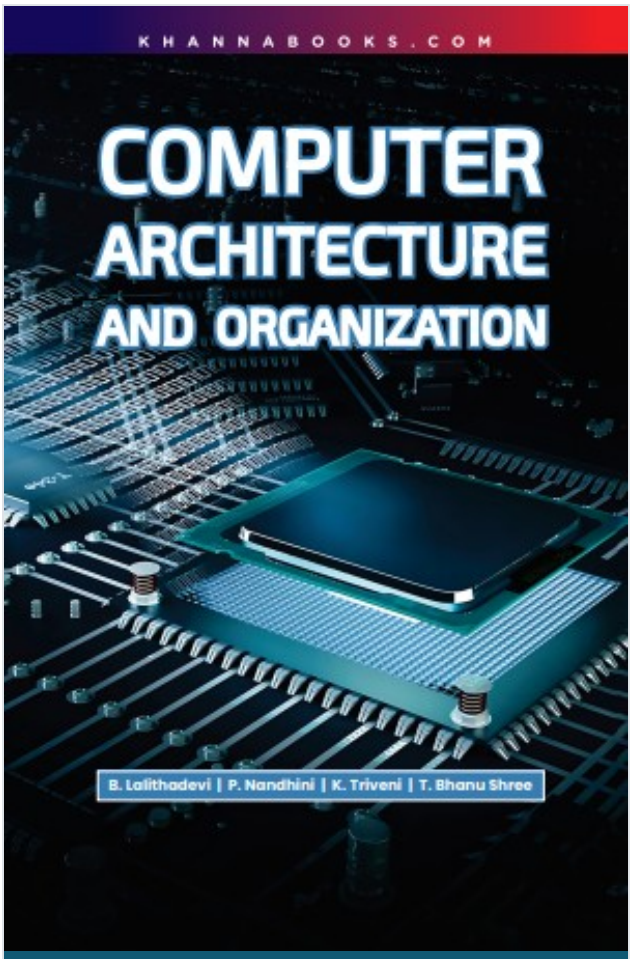

B. Lalithadevi, P. Nandhini, K. Triveni, T. Bhanu Shree

Computer Architecture and Organization

Author :	B. Lalithadevi, P. Nandhini, K. Triveni, T. Bhanu Shree
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Product Description

Computer Architecture and Organization

This book, "COMPUTER ARCHITECTURE AND ORGANIZATION," offers a comprehensive and structured exploration of the fundamental principles that govern the operation and design of modern computing systems. As technology continues its rapid advance across fields like artificial intelligence, healthcare, and communication, understanding the internal workings of a computer is crucial for creating high-performance and efficient architectures.

Designed specifically for students and professionals in computing technology, this text effectively balances theoretical concepts with practical applications to prepare readers for advanced studies and successful careers. The journey begins with the essential building blocks, detailing general register organization, instruction cycles, and the vital stack organization that facilitates efficient data manipulation and function calls.

The content systematically progresses through the core components, providing a clear explanation of the Arithmetic Logic Unit (ALU), including complex operations like Booth multiplication and floating-point arithmetic. Crucially, the book dedicates significant coverage to memory organization, exploring the essential memory hierarchy, cache memory (including mapping and replacement policies), and virtual memory implementation. Finally, it addresses contemporary system design challenges by covering Input-Output (I/O) mechanisms such as Direct Memory Access (DMA), and the complexities of modern multiprocessor systems, including interconnection structures and advanced cache coherence protocols. With its clear explanations and structured approach, this book serves as an indispensable resource for mastering the architecture and organization that powers the digital world.

Salient Features:

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- Arithmetic logic unit and computer arithmetic
- Memory organization
- Input-Output Organization
- Characteristics of multiprocessors

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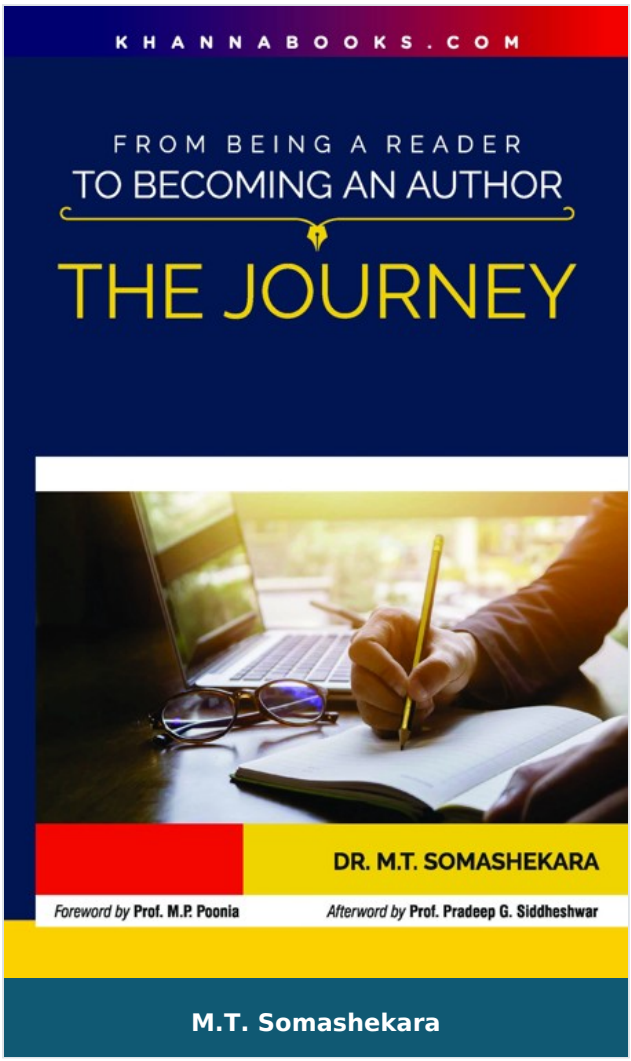

The Journey - From Being a Reader to Becoming an Author

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M.T. Somashekara is with the Department of Computer Science and Applications, Bangalore University, Bengaluru. He has over two decades of teaching experience at both UG and PG levels. He has authored three other books ‘Problem Solving with C’, ‘Object-Oriented Programming with C++’’ and ‘Object-Oriented Programming with JAVA’ published by PHI Learning Private Limited, New Delhi and all of these have seen multiple editions. They have been adopted as textbooks/reference books for UG and PG courses of more than a hundred universities and autonomous colleges in the country. He has also authored a unique motivational and directional book on authoring academic books entitled ‘The Journey – From Being a Reader to Becoming an Author’ brought out by

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Khanna Publishing House and it is useful for those aspiring to become academic authors as it not only motivates but guides also as to how to go about academic authoring. He has several research papers to his credit in national and international journals. He is a life member of ISTE CSI, ISCA, and IUPRAI. His areas of academic interest include Data Structures, Algorithms, Programming Languages, Operating Systems, and Databases. His areas of research include Image Processing and Pattern Recognition.

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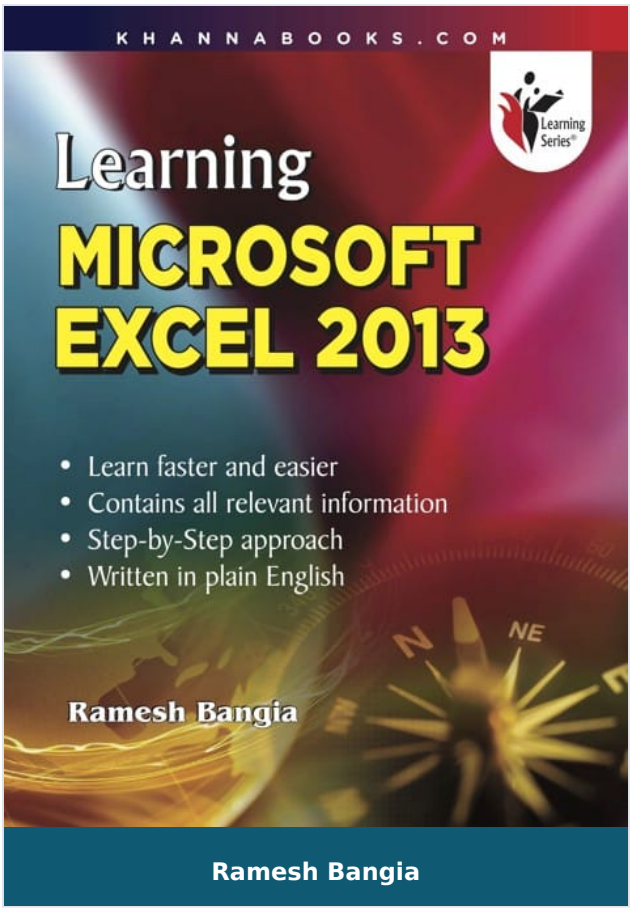

Ramesh Bangia

Learning Microsoft Excel 2013

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- Keyboard Shortcuts of Microsoft Excel 2013, Questions

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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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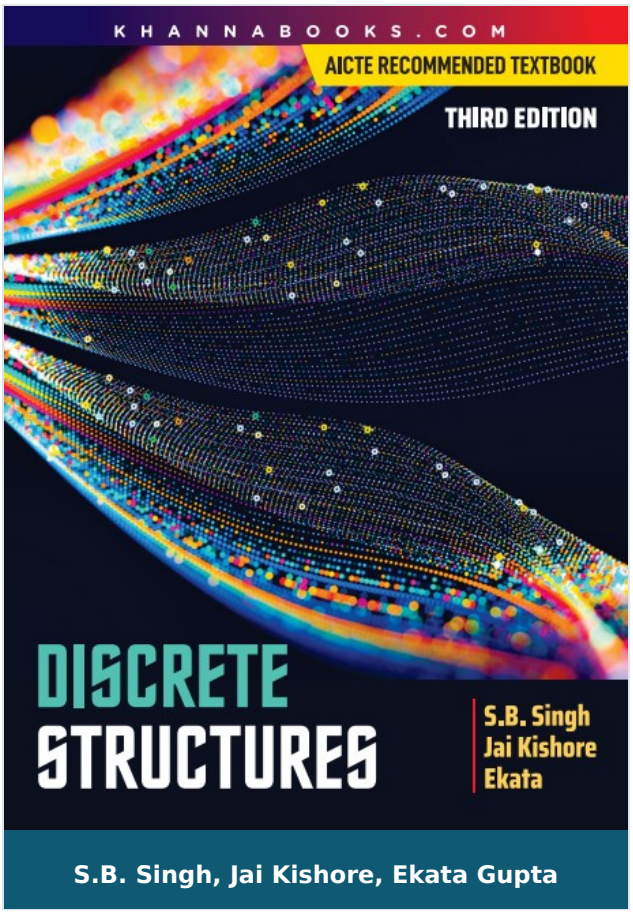

Discrete Structures

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