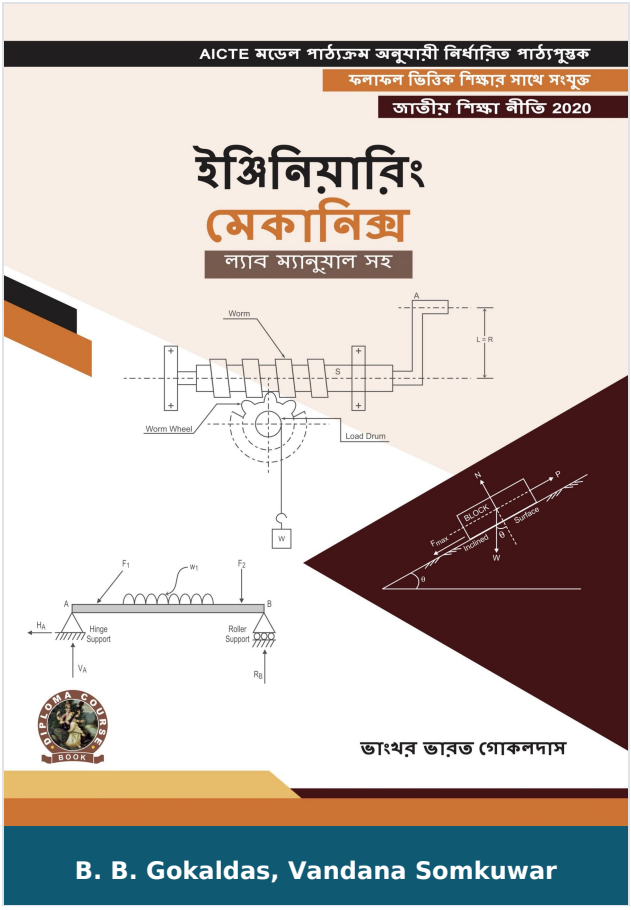

Engineering Mechanics (with Lab Manual)

Author :	B. B. Gokaldas, Vandana Somkuwar
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Publisher :	Khanna Publishing House
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Categories :	AICTE Prescribed Textbooks, Bengali Books, Book Store, Ebooks
Condition Type :	New
Country Origin :	India

Product Description

“Engineering Mechanics with Lab Manual” is a compulsory for the first year Diploma course in Engineering 7 Technology. Syllabus of this book is strictly align as per model curriculum of AICTE and academic content is amalgamate with the concept of Outcome based Education (OBE).

Book covers is five units- Basic mechanics & force system, Equilibrium, Friction, Centroid and Centre of gravity & simple lifting machine. Each unit written in every easy, systematic and orderly manner. Each unit contains a set of exercise at the end of each unit to test the student’s comprehension. Also in each unit the laboratory practical pertaining to unit is included.

Some salient features of the book:

1. Content of the book aligned with the mapping of Course Outcomes, Programs Outcomes and Unit Outcomes.

2. Book provides lots of recent information, interesting facts, QR Code for E-resources, QR Code for use of ICT, projects, group discussion etc.

3. Student and teacher centric subject materials included in book with balanced and chronological manner.

4. Figures, tables, equations and activities are insert to improve clarity of the topics.

5. Objective questions, Short questions and long answer exercise given for practice of students after every unit.

6. Solved and unsolved problems including numerical examples taken with systematic steps.

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- Friction
- Centroid and Centre of Gravity
- Centroid and Centre of Gravity
- Appendix
- Index

Author

B. B. Gokaldas

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Vandana Somkuwar

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INNOVISION

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Publisher :	Khanna Publishing House
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Product Description

With ageing, we live a short future, where young people have to live there for rest of their lives. We are comfortable with friends and memories because we know them, but not with our future because we do not know it. We see problems in opportunities, in contrast youths see opportunity in problems. With better medical care and healthy food, today's 70- years old is healthier than those in their sixties a decade back and are more wealth with savings and service benefits, opening up anew market for consumption, clothing, holidays, properties and car hire. With more than hundred sensor, Al-sensitive signals and commands, our future car will be a computer on wheels, without accidents and bodyworks, Robots will care our elders and 3-D printing will relocate production with reduced costs. A smart phone can raise the labor income by 20 percent, as it enables instant connectivity between user and provider which will raise the GDP by 10 percent. It enables quality education online at no extra cost, liberating millions from poverty, illiteracy and ill-health. Our world will become less violent and corrupted; with our problems solved with opportunities making our planet more happy and livable, we can see more open exchange of knowledge, resources, collaboration and trust than conflicts and wars.

If creativity thrives when constrained, with problems to be solved by opportunity, India with one of the largest skilled talents in her campuses will regain its ancient glory of inventions and discoveries in the next future.

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- Trust and Collaboration
- Inspiration and Appreciation

Author

Chelat Bhuvanachandran

Chelat Bhuvanachandran retired as Gen Manager-ME & Signatory with a Swiss company-AFG Arbonia-Forster-Holding AG in 2012. He started his career as a sales trainee with British Paints India Ltd and was operating from various locations in India and later in the Middle East. Back home after three years of consulting assignment with a German firm, he turned to volunteering to National causes and purposes. The first attempt was to script two books in 2021, ‘Living The Values’ – a Value narrative to Grass-root Leadership with a purpose of redefining our school model with values, patriotism and a purpose. The second book titled ‘The State of Israel’- a Start-up Nation to a Scale-up Nation, which inspires our youths to achieve impossible dreams. On submission to over one hundred Govt of India departments, NCERT, MoE, CDS and DRDO acknowledged with very positive appreciation while NCERT recognized the first one as learning tool tor up-skill HSE teachers and the second one as a reference document for education, military, economy and governance. Essentially in an uncontested space, it requires a theme, passion and stretched imagination, to script a book, where his next inspiration was intertwined with Prime Minister Narendra Modi’s vision that ‘Start-up Innovations will drive India’s GDP in next two decades’. He is not a specialist from any domains of accelerating technologies, but he selected ‘entrepreneurship’ which comes from the core skills of his past career. The result was ‘InnoVision’-The grand challenges of 21st century. He defines every big problem as a big business opportunity, where the convergent technologies could find a business solution for each of the UN’s 17 SDG-Sustainable Development Goals, where India and South Asia score poorest ranks in the world. The book’s target readership is the aspiring innovators from our technology campuses. Born to Sri (Late) M.K.K.Menon and Smt (Late)

Chelat Leelamma, Bhuvanachandran is married to Nirmala Pulapre, and lives in Sobha City Thrissur.

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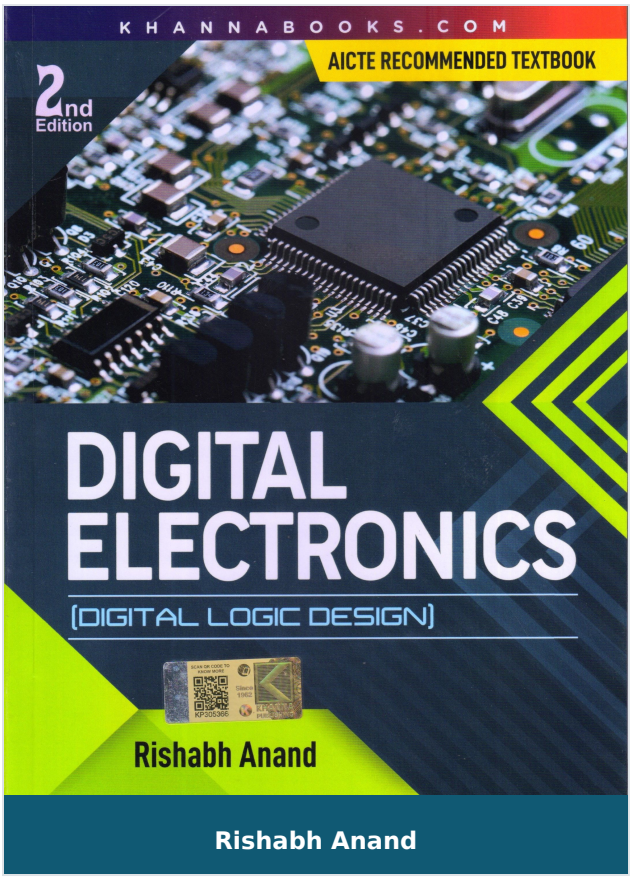

Digital Electronics

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The book covers the complete syllabus of subject as suggested by most of the universities in India. Proper balance between mathematical details and qualitative discussion. Subject matter in each chapter develops systematically from inceptions. Large number of carefully selected worked examples in sufficient details. Each chapter of the book is saturated with much needed test supported by neat and self-explanatory diagrams to make the subject self-speaking to a great extent. No other reference is required. Ideally suited for self-study.

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- Synchronous Sequential Circuits
- Asynchronous Sequential Circuits
- D/A And A/D Converters
- Clock Generators
- Applications Of Digital Circuits
- Hdl For Digital Circuits
- Appendix
- Lab Work And Viva-Voice Questions

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.

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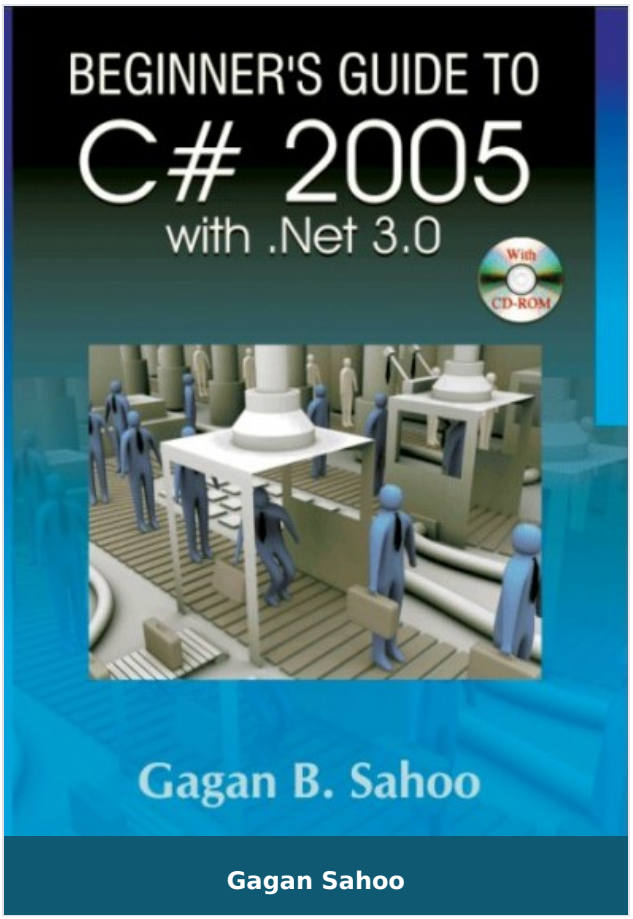

Gagan Sahoo

Beginner's Guide to C# 2005 with Net 3.0

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E-ISBN 13 :	978-81-90611-68-8
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Product Description

This well-organized and comprehensive book offers a detailed coverage of Beginner's Guide to C# 2005 (with.net 3.0) including basics. Without assuming any background knowledge of programming, this book teaches C#.NET language using carefully graded approach. The book covers easy-to understand steps, from simple programs to sophisticated ones that demonstrate c#s power for programming development. The book contains 100's of source codes in different chapters in CD.

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- Classes and Objects
- Inheritances and Polymorphism
- Interfaces and properties
- Delegates and Events
- Exception Handling
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- File handling in C#

Author

Gagan Sahoo

Gagan Sahoo This well -organized and comprehensive book offers a detailed coverage on Visual Basic Programming concept. It contains a rich collection of examples, exercises

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and project based concepts. This book concentrates on the principles of good software engineering and stresses program clarity. without assuming and background knowlwdge of programming, this book teaches VB language using carefully graded approach. The book covers easy-to understand steps, from simple programs to sophisticated ones that demonstrate VBs power for programming development. Using this book you can create different application statring from desktop application; database Handling to Internet based programming. The book contains 100's source codes in different chapters in CD. He has more that 15 Years of experience in the computer field working as a software developer, director of software development. He is a well-known author of various computer books including, VB, C++, Java. Since last 10 years, he has lots of experience in different computer project works. He has written number of project books including Foxpro, C, C++, Vb, etc. He associates Mr. Arvind Kumar working as co-author in various technical projects in .NET technology. He has been Programming in various .NET project and tested so many code on Microsoft's .NET environment. His prime development of Beginner's Guide to VB, C# 2005 (with.NET 3.0), ASP.NET, VB.NET, etc. Which was written to fullfil the need and development guide for the students and developers.

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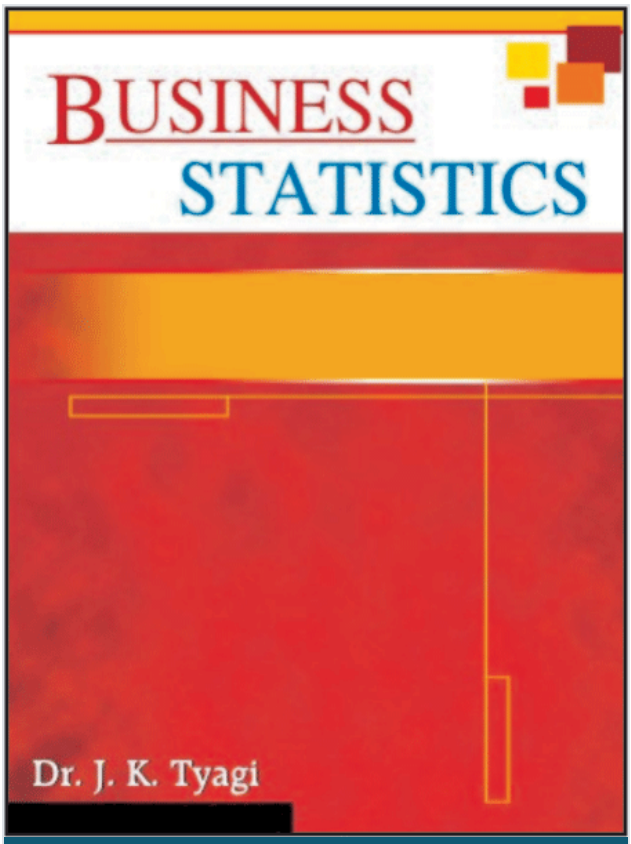

J.K. Tyagi

Business Statistics

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Step-by-step approach, The book is provided in the simplest language, The subject matter has been set in four units, More than 500 solved examples are provided in the book, A large no of unsolved questions are also provided in the book, Multiple choice questions better understanding of the subject, Systematic and sequential arrangement of different topics.

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- Log Tables

Author

J.K. Tyagi

Dr. J.K. Tyagi is Professor and head department of Applied Science, Maharaja Agarsain Institute of Technology Ghaziabad (U.P.)

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Applied Chemistry (with Lab Manual)

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Condition Type :	New
Country Origin :	India

Product Description

This textbook o “Applied Chemistry” is development as per AICTE model curriculum ,2018, for compulsory course on Applied Chemistry of first years Diploma Programming in Engineering and Technology. Atomic Structure, Chemical Bonding & Solution, Water, Engineering Materials, Chemistry of fuels & Lubricants and Electrochemistry are the five units of this book, comprising of both practical and theory.

Some salient features of the book:

1. Course Outcomes and Unit Outcomes are written specifically and are mapped with programming Outcomes.
2. Utmost care have been taken to amalgamate the philosophy of outcome-based education.
3. The structure of the textbook is comprehensive, where in practical exercises are integral part of each unit.
4. The text is presented in a very simple way with illustrations, examples, tables, flow chart, self -assessment questions and their solutions.
5. Micro projects, points/issue for the creative inquisitiveness & curiosity, know more, video links, case study and summary points are integral part of each unit to facilitate the students to develop the attitude of scientific inquiry, investigate the cause-and-effect relationship, systematic, scientific & logical thinking, ability to observe, analysis and interpret.
6. To meet the requirement of outcome-based education (OBE) and outcome-based assessment (OBA), criterion referenced testing (CRT) have been used as an integral part of assessment in each practical.
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- Water.
- Engineering Materials.
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Author

Anju Rawlley

Anju Rawlley Devdatta Vinayakarao Saraf

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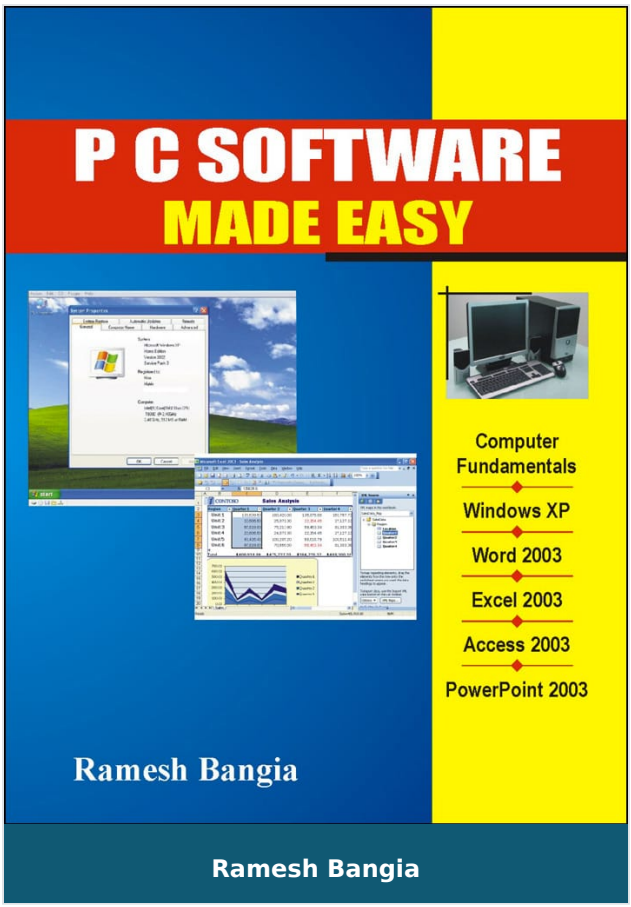

PC Software Made Easy

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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. This has been written to keep in mind both the aspects, Beginner's as well as professionals would find something worth reading in this: There are basically 9 chapters. each chapter ends with a revision with what has been told in the section and it follows up with the questions related to it. The questions are also divided into 3 categories to test the knowledge of the readers.

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- Excel 2003
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- Revision and 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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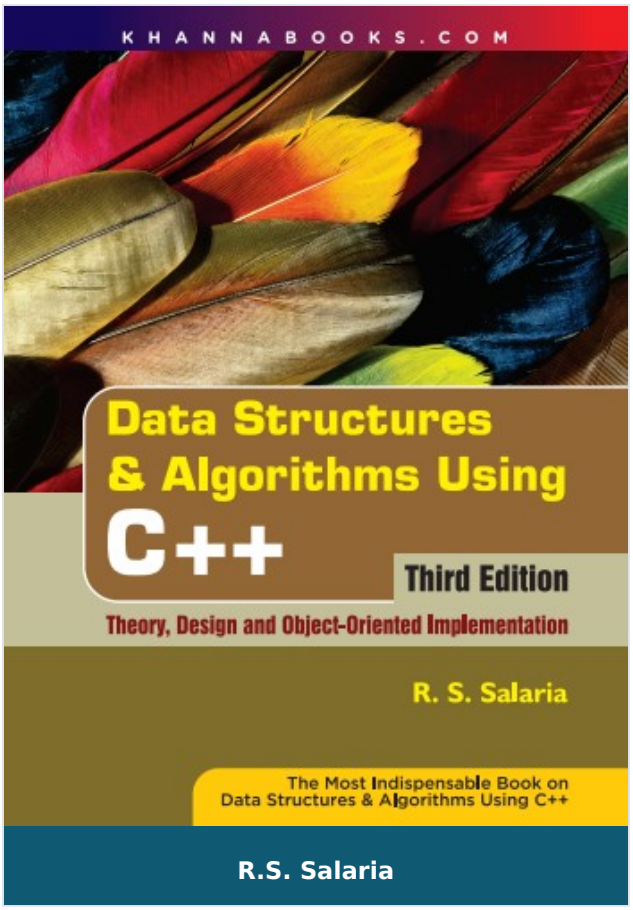

Data Structures & Algorithms Using C++

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Product Description

Provides a comprehensive coverage of the subject, Includes numerous illustrative example, Demonstrate the development of algorithms in a lucid manner, Demonstrate the implementation of algorithms in a good programming style, provides challenging programming exercise to test you knowledge gained about the subject, Glossary of terms for ready reference.

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- Heaps
- Graphs
- Hash Tables & Hashing
- Sorting, Searching and Merging
- Files
- Glossary
- Index

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

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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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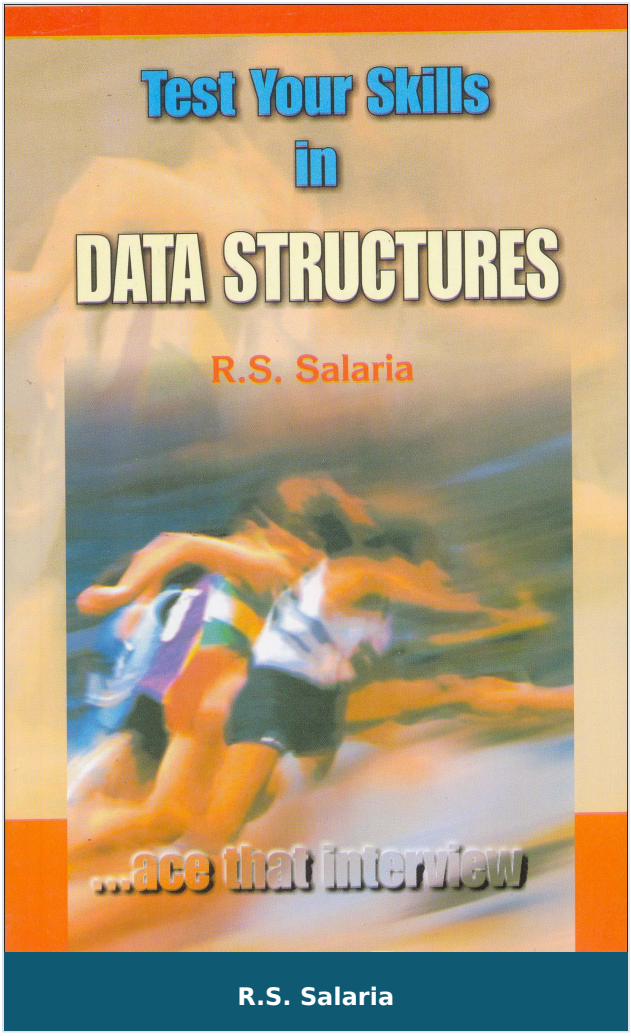

Test Your Skills in Data Structures

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Product Description

Data Structures in one of the important subjects in computer science. Understanding of various data structures and the choice of an appropriate data structure is very crucial for the success of any software. All IT companies want that students must be very good in conceptual as well as practical knowledge of Data structures. This book gives an ample opportunity to you to test/ evaluate your skills in Data structures. Plenty of multiple choice type questions. Plenty of true false type questions. Plenty of fill-in the blanks type questions. Plenty of short answer type questions.

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- Multiple Choice Type Questions
- True-False Type Questions
- Fill in the Blanks Type Questions
- Short Answer Type Questions
- Glossary

Author

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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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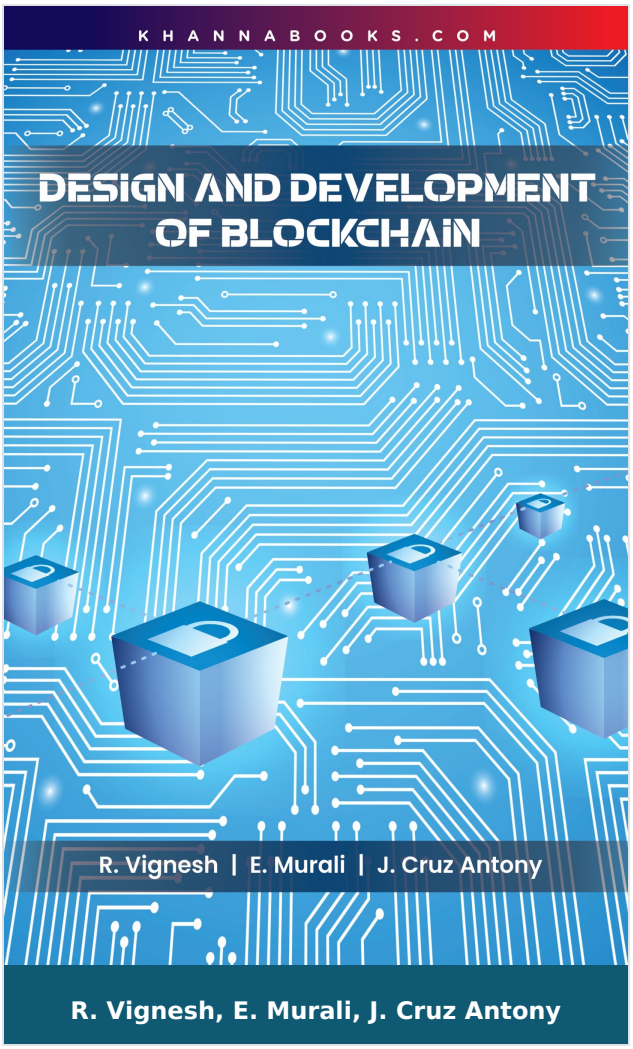

Design and Development of Blockchain

Author :	R. Vignesh, E. Murali, J. Cruz Antony
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Product Description

"Design and Development of Blockchain" offers a comprehensive and practical guide to understanding the fundamentals and applications of blockchain technology. The book bridges the gap between theoretical concepts and hands-on implementation by providing detailed coverage of Distributed Ledger Technology (DLT), consensus mechanisms such as Proof-of-Work (PoW) and Proof-of-Stake (PoS), and the principles of cryptoeconomics. Discussions are grounded in real-world blockchain platforms, including Bitcoin and Ethereum.

The primary objective of the book is to equip readers with both conceptual knowledge and practical skills needed to design, implement, and innovate blockchain solutions. It explains decentralization in depth, covering decentralized computing, storage, and communication systems. The text also explores Smart Contract and Decentralized Application (DApp) development while addressing important industry challenges such as scalability, energy efficiency, and security. Additionally, it examines blockchain integration with Artificial Intelligence (AI), Internet of Things (IoT), and Cloud Computing.

This book serves as a valuable resource for students, researchers, developers, and industry professionals interested in building secure, efficient, and future-ready blockchain-based systems.

Salient Features:

- • Cryptoeconomic Principles: Explores the economic incentives and cryptographic security mechanisms that resolve the Byzantine General's Problem in decentralized P2P networks.

  • Architectural Components: Details the core building blocks of a blockchain, including blocks, hashing, digital signatures, and the structural variations in Bitcoin

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and Ethereum blocks.

• Practical Consensus: Clarifies the operation, advantages, and energy trade-offs of major consensus algorithms, such as Proof-of-Work (PoW), Proof-of-Stake (PoS), and other hybrid models.

• Hands-on Chain Building: Provides a step-by-step guide to developing an independent blockchain, covering P2P network creation, Genesis Blocks, registering miners, and block storage.

• Ethereum Development: Offers practical instruction on setting up the Ethereum environment using developer tools like Ganache and Truffle Suite to create, test, and deploy functional Smart Contracts.

• Decentralization Ecosystem: Focuses on achieving full ecosystem decentralization for computation, storage, and communication, along with developing decentralized applications (DApps) and DAOs.

• Emerging Technology Integration: Delves into the intersection of blockchain with AI, IoT, and Cloud Computing, showcasing how it enhances data integrity, network security, and automation in various sectors.

• Security and Challenges: Addresses key technical and commercial hurdles, including scalability limitations, energy efficiency concerns, regulatory frameworks, and mitigating DDoS and Sybil attacks.

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- Components and Structure of Blockchain
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- Creating an Own Blockchain
- Ethereum Wallet & Smart Contract

Author

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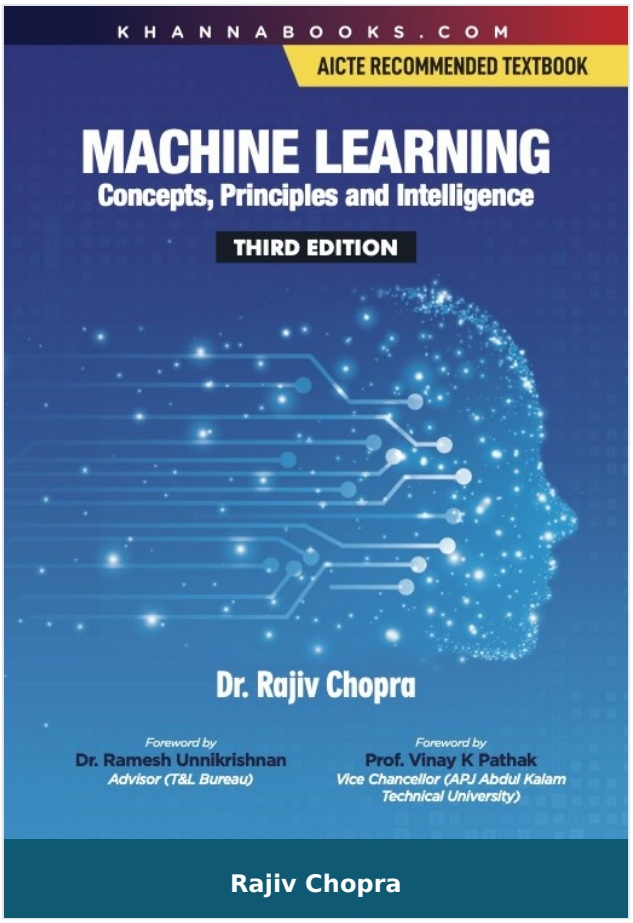

Machine Learning (Concepts, Principles and Intelligence)

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Product Description

Machine Learning and Machine Intelligence is a complete book to read and perform practical in computer labs. Just reading theory cannot make you perform the practical(s). The present book is the composition of both, for the convenience of the students. Many of the Degrees or Diplomas or Certification Programs are being conducted in Machine Learning and Machine Intelligence fields, but it has become difficult for software companies to separate chaff from the grain. This book is an excellent guide for aspiring Data Science professionals and a valuable resource bank to perform experiments in AIDS and AIML branches.

| SALIANT FEATURES |

- Includes numerous illustrative examples to understand and perform the practical easily.
- Demonstrates every experiment in a systematic and good programming style.
- Students of all branches—B.E./B. Tech. in CSE/IT/ECE, B. Tech. in AIML branch, B. Tech. in AIDS branches as well as B. Tech. in CS(DS) and CS(ML) branches will be benefitted from this art.

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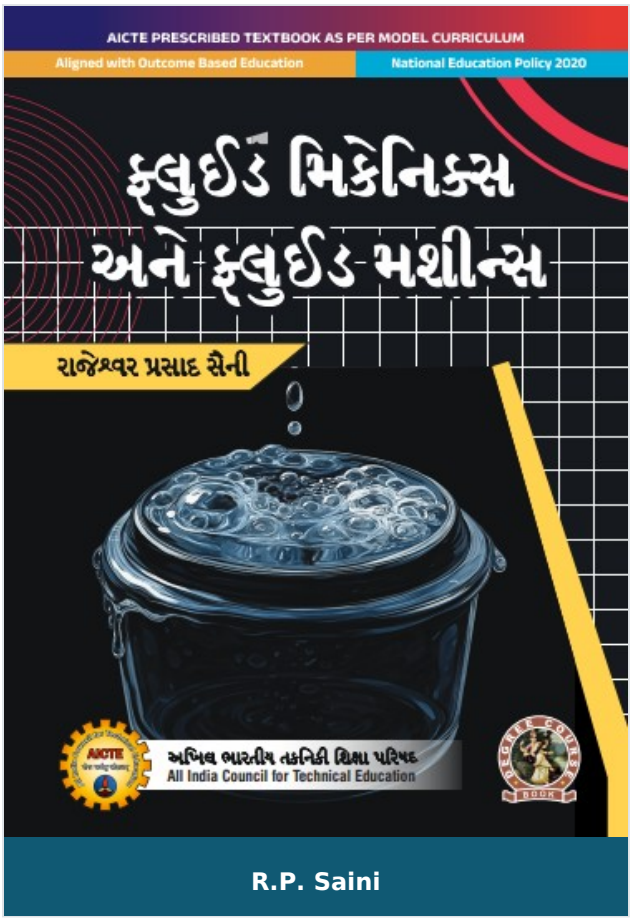

Fluid Mechanics & Fluid Machines

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