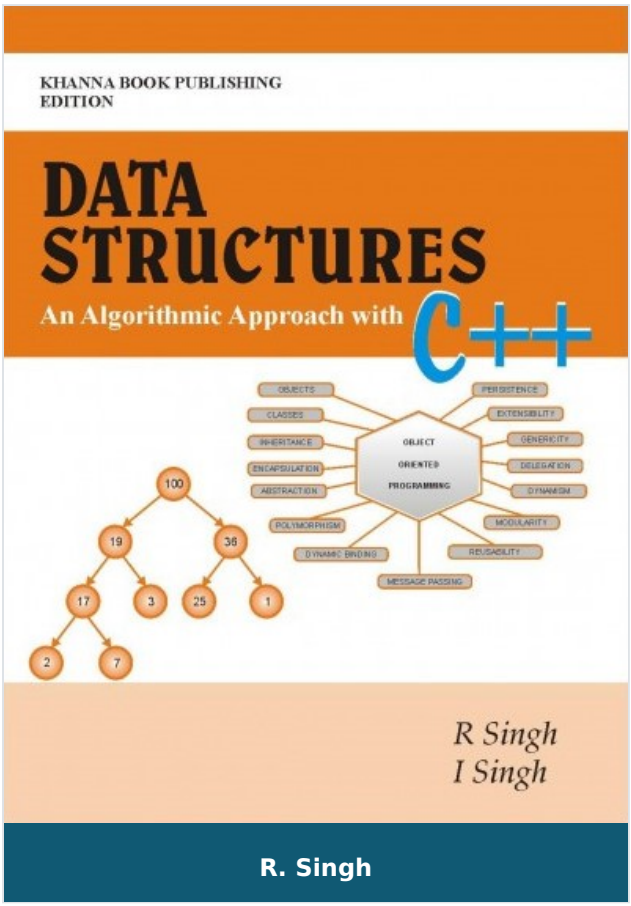

Data Structures - An Algorithmic Approach with C++

Author :	R. Singh
ISBN 13 :	978-93-80016-85-6
ISBN 10 :	9380016859
E-ISBN 13 :	978-93-80016-85-6
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Type of book :	Physical
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Language :	English
Publisher :	Khanna Publishing House
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Email: contact@khannabooks.com | Tel: 011-2324 44 47 - 48 | Mobile: +91-99109 09320

Product Description

Written with the beginner in mind, this book provides an exceptionally clear and precise detail of data structures. Its approach is explanatory and language is lucid and communicable. Each and every data structure described with the help of its pictorial representation, algorithms, and implementation in C++ programming to have clear ideas. It contains lucid presentation of each and every operation that can perform on data structures.

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Author

R. Singh

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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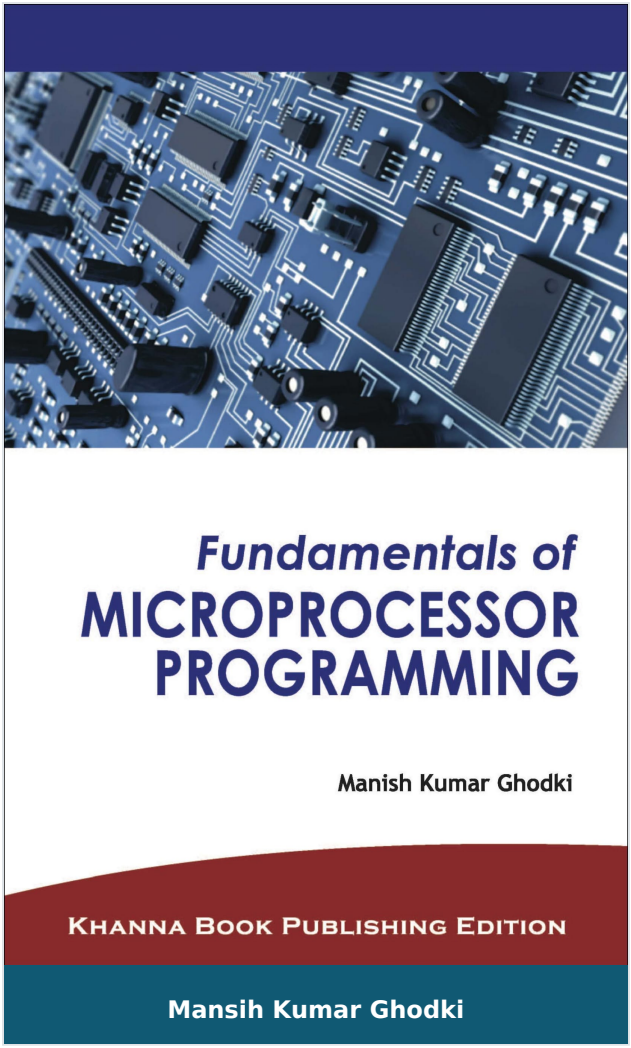

Fundamentals of Microprocessor Programming

Author :	Mansih Kumar Ghodki
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E-ISBN 13 :	978-93-82609-17-9
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Product Description

Suitable for solving GATE and other competitive exam questions. The book contains 40 different assembly language programs in a separate chapter. The book contains 100 working examples of all types of instruction opcodes of the 8085 microprocessor in a single chapter. It has more than 300 illustrations, exercise questions for easy and better understanding. 'All-in-one' view in column writing format for quick understanding. Suitable for diploma, degree and postgraduate courses. Step-by-step knowledge towards the programming of the microprocessor. The microprocessor 8085 can be used to its full capability if one knows the programming fundamentals given in this book.

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Table Of Contents

Author

Mansih Kumar Ghodki

Mansih Kumar Ghodki Manish Kumar Ghodki Asst. Professor, Department of Energy, Maulana Azad National Institute of Technology (MANIT) Bhopal

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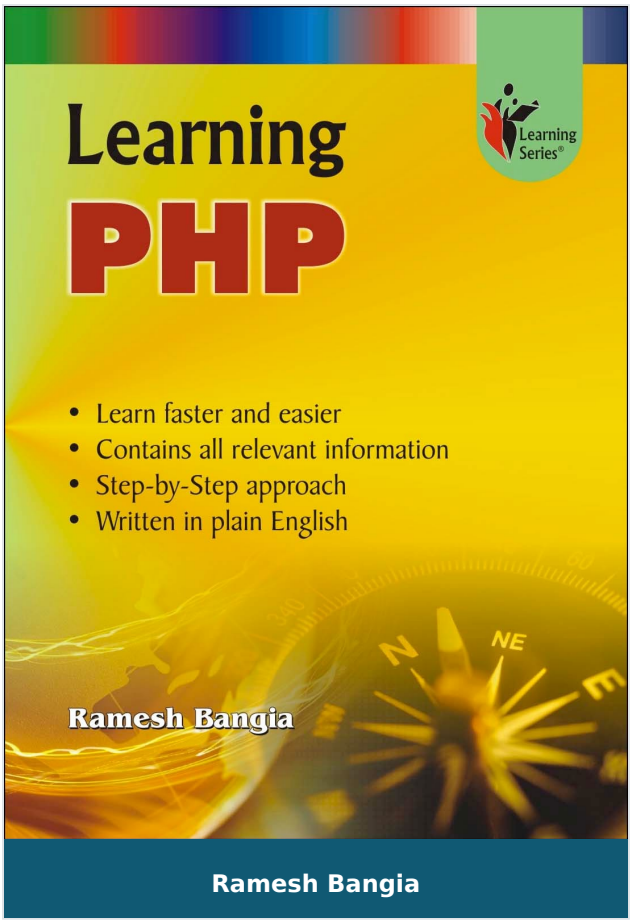

Learning PHP

Author :	Ramesh Bangia
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ISBN 10 :	9381068666
E-ISBN 13 :	978-93-81068-66-3
Edition :	First
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Publisher :	Khanna Publishing House
M.R.P :	Rs 225.00
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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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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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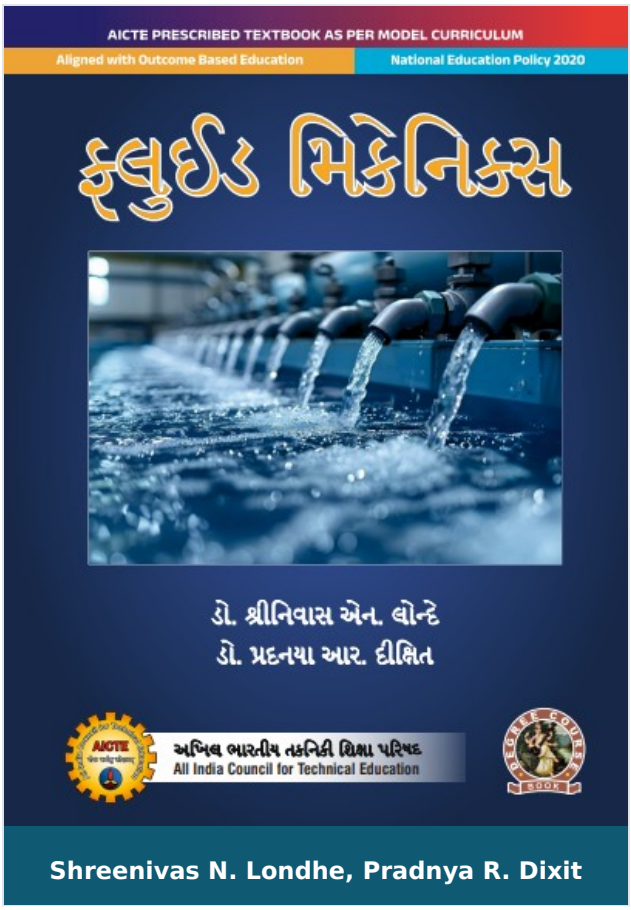

Fluid Mechanics

Author :	Shreenivas N. Londhe, Pradnya R. Dixit
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Author

Shreenivas N. Londhe

Dr. Shreenivas N. Londhe Professor, Department of Civil Engineering Vishwakarma Institute of Information Technology, Pune Dr.

Pradnya R. Dixit

Dr. Pradnya R. Dixit Associate Professor, Department of Civil Engineering Vishwakarma Institute of Information Technology, Pune

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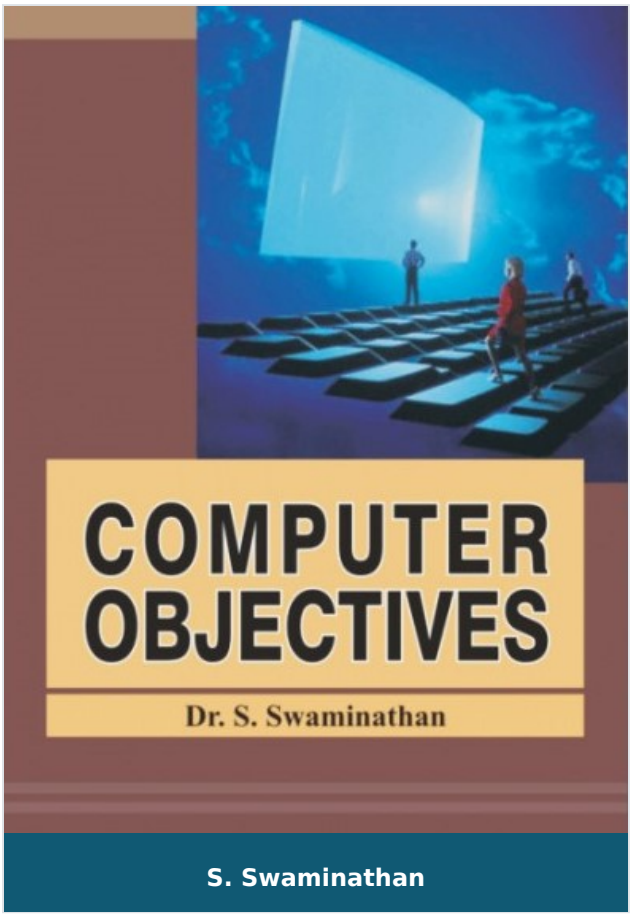

Computer Objectives

Author :	S. Swaminathan
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Product Description

This book has originated from the fact that students who are preparing for various different examinations like GATE, BARC, NTPC, ONGC, HAL,C-DOT,IOCL etc., have to refer to many different books for good and conceptual objective questions in Computer Science & Eng. stream keeping above examinations in mind the book has been organized to provide students the best.

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Author

S. Swaminathan

S. Swaminathan

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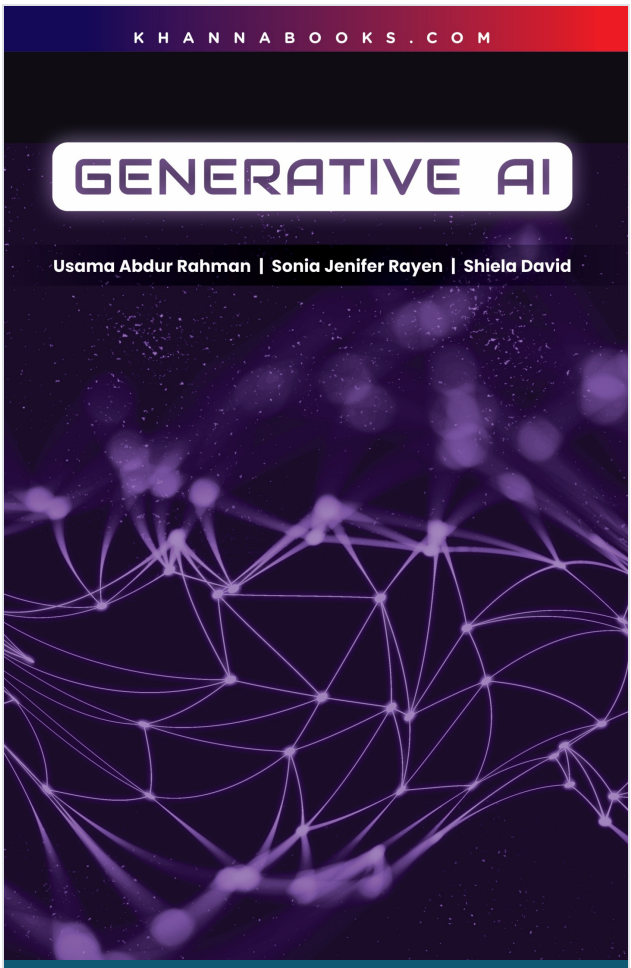

Sonia Jenifer Rayen, Shiela David, Usama Abdur Rahman

Generative AI

Author :	Sonia Jenifer Rayen, Shiela David, Usama Abdur Rahman
ISBN 13 :	978-93-55387-42-4
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Product Description

Generative AI (Gen AI) has rapidly evolved from a theoretical concept into a transformative technology capable of simulating human creativity, generating content, producing innovative ideas, and enabling autonomous decision-making. This book serves as a comprehensive and structured guide to understanding the foundations, architectures, applications, and future directions of Generative Artificial Intelligence. Designed for students, researchers, professionals, and technology enthusiasts, it provides both theoretical insights and practical perspectives on one of the most influential fields in modern computing.

The text begins by tracing the historical evolution of Artificial Intelligence, highlighting key milestones that shaped the development of machine learning and intelligent systems. It then builds a strong conceptual foundation by introducing Neural Networks and the revolutionary Transformer Architecture, which forms the backbone of modern generative systems. Special emphasis is placed on the Attention Mechanism, encoder-decoder architectures, and the emergence of Large Language Models (LLMs) that power advanced conversational and content-generation systems.

Beyond foundational concepts, the book explores advanced generative techniques such as Generative Adversarial Networks (GANs) and Variational Autoencoders (VAEs), explaining their architectures, workflows, and practical applications. Readers gain insights into how generative models create realistic text, images, and multimedia content, while also understanding the principles behind AI Agents, prompt engineering, and modern AI development frameworks.

The practical relevance of Generative AI is demonstrated through extensive real-world applications across healthcare, finance, manufacturing, software engineering, media, and entertainment. The text also addresses critical contemporary topics including model

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evaluation metrics, ethical considerations, responsible AI development, and emerging innovations such as Quantum AI and Neuromorphic Computing. By combining academic rigor with practical implementation, this book provides a complete roadmap for mastering the rapidly evolving landscape of Generative Artificial Intelligence.

Salient Features:

- Foundational AI Concepts: Provides a detailed overview of the history and evolution of Artificial Intelligence, establishing a strong foundation in neural networks, machine learning, and the development of generative technologies.
- Transformer Architecture Deep Dive: Thoroughly explains Transformer Models, the Attention Mechanism, and the distinctions between encoder-based architectures (such as BERT) and decoder-based Large Language Models.
- Large Language Model Mastery: Covers the principles, architectures, and applications of LLMs, including their use in natural language processing, content generation, summarization, translation, and conversational AI systems.
- Advanced Generative Models: Presents comprehensive coverage of Variational Autoencoders (VAEs) and Generative Adversarial Networks (GANs), detailing their components, workflows, training methodologies, and practical applications.
- Practical AI Agents & Frameworks: Introduces AI Agents and modern development frameworks such as Lang Chain, enabling readers to build scalable and production-ready Generative AI applications.
- Cross-Industry Applications: Demonstrates the transformative impact of Generative AI across multiple sectors, including healthcare, manufacturing, finance, software development, and digital media.
- Model Evaluation Techniques: Explains important evaluation metrics such as Perplexity, BLEU Score, and ROUGE Score, helping readers assess and benchmark the performance of generative and language models.

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- Future & Ethical Directions: Explores emerging topics including Multimodal AI, prompt optimization techniques (Top-K and Top-P sampling), ethical AI practices, Quantum AI, and Neuromorphic Computing.

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Table Of Contents

Author

Sonia Jenifer Rayen

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

Shiela David

Shiela David

Usama Abdur Rahman

Usama Abdur Rahman

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Linear Integrated Circuit

Author :	B. T. Krishna
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Condition Type :	New
Country Origin :	India

Product Description

Linear Integrated Circuit

The production of circuits in integrated form dates from about 195o’s, the technology made its first impact in the field of digital electronics and it is here that the most amazing improvements have taken place. Attention has naturally been devoted to the linear devices which lend themselves to an economic utilization the IC process because of their potentially large volume production requirements. Keeping up with the latest tools and methods in a field that develops as quickly as electronic measurements is challenging. This book is an attempt to address this problem by showcasing the linear integrated circuits components best applicable to the functional operations required by signal measuring and processing systems.

The entire book emphasizes doing rather than just reading. The use of linear integrated circuits has allowed the development of electronic systems that were previously impossible with discrete components due to their increased complexity and operational precision. Using integrated circuits and modules almost always results in better cost/performance, even in systems that previously relied on discrete components. There are a wide variety of uses for operational amplifiers, and the author has covered them in beginning. The rest of the book covers more modern topics including phase-locked loops, waveform generators, timers, four-quadrant multipliers, and monolithic integrated circuits modulators. This book explains how these devices work and how they can be used to fulfil a variety of tasks in signal monitoring and processing setups. Each chapter ends with a set of numerical exercises.

Salient features:

- Content of the book aligned with the mapping course outcomes, programs and Units Outcomes.

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- 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.
- 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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Table Of Contents

Author

B. T. Krishna

Dr. B. T. Krishna Professor, Jawaharlal Nehru Technological University Kakinada, Kakinada, Andhra Pradesh, India

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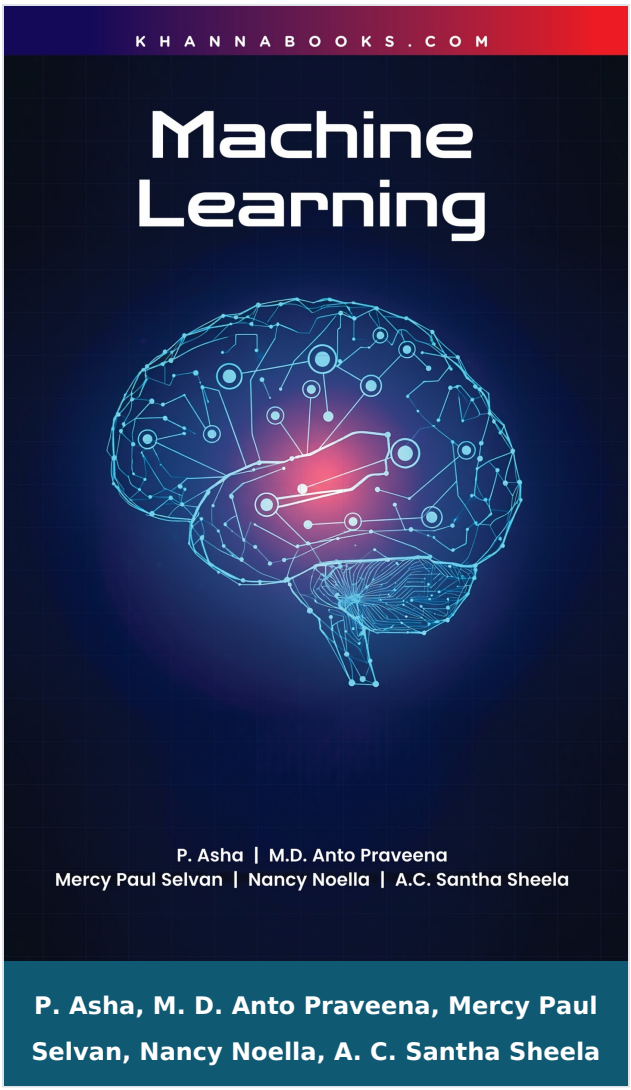

P. Asha, M. D. Anto Praveena, Mercy Paul Selvan, Nancy Noella, A. C. Santha Sheela

Machine Learning

Author :	P. Asha, M. D. Anto Praveena, Mercy Paul Selvan, Nancy Noella, A. C. Santha Sheela
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Product Description

MACHINE LEARNING: A Theoretical and Practical Guide is an essential introductory textbook meticulously designed to equip students and researchers with a robust theoretical foundation and critical practical insights into the rapidly evolving field of data analytics. Addressing the core principles of machine learning (ML), the book systematically explores the diverse ML types—Supervised, Unsupervised, Semi-Supervised, and Reinforcement Learning—while meticulously detailing their mathematical underpinnings and theoretical frameworks.

The book begins with an exploration of fundamental learning concepts, including the Bias-Variance Tradeoff and VC Dimension, before delving into core algorithms. It provides comprehensive coverage of key techniques for real-world problem-solving, such as Association Analysis for recommendation systems, and foundational Classification algorithms like Decision Trees and Naïve Bayesian Classifiers. Complex topics are simplified through a thorough analysis of parametric estimation, multivariate techniques, and crucial dimensionality reduction methods like PCA and LDA. Furthermore, the text offers practical solutions for Clustering and Outlier Detection, which are vital for achieving effective generalization. A dedicated section introduces Neural Networks, from single-layer perceptrons to Multi-layer Perceptrons and Backpropagation, culminating in a discussion of advanced local models and ensemble techniques like Bagging and Boosting. Finally, the book highlights emerging research in Reinforcement Learning, positioning it as a valuable resource for tackling complex engineering and open research challenges. This volume serves as an invaluable roadmap for aspiring data scientists and established academics seeking to master modern ML principles.

Salient Features:

• Foundational Learning Paradigms: Details the four main types of learning: Supervised, Unsupervised, Semi-Supervised, and Reinforcement Learning, providing context for

various algorithms.

• Core Algorithms Analyzed: Provides in-depth coverage of crucial models such as Decision Trees, Naïve Bayes Classifiers, K-Means clustering, and Linear Regression.

• Mathematical Underpinnings: Explains the theoretical frameworks of ML, including Bayesian Decision Theory, PAC Learning, and the Bias-Variance Tradeoff in model building.

• Data Reduction Techniques: Features practical chapters on essential dimensionality reduction methods like Principal Component Analysis (PCA) and Linear Discriminant Analysis (LDA) for data preprocessing.

• Neural Network Deep Dive: Introduces the architecture and training of neural networks, covering perceptrons, Multi-Layer Perceptrons, and the Backpropagation algorithm.

• Advanced Local Models: Includes detailed explanations of competitive learning, Self-Organizing Maps (SOM), and Radial Basis Function (RBF) networks for advanced data grouping.

• Model Optimization Strategies: Explores ensemble methods, specifically Bagging and Boosting (including AdaBoost and Gradient Boosting), for improving model accuracy and stability.

• Future Learning Paradigms: Highlights emerging research in Reinforcement Learning, explaining its workflow, terminologies, and key models like Markov Decision Processes (MDPs) and Q-Learning.

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Table Of Contents

Author

P. Asha

P. Asha

M. D. Anto Praveena

M. D. Anto Praveena

Mercy Paul Selvan

Mercy Paul Selvan

Nancy Noella

Nancy Noella R. S., Associate Professor, Dept of CSE, Sathyabhama Institute of Science and Technology

A. C. Santha Sheela

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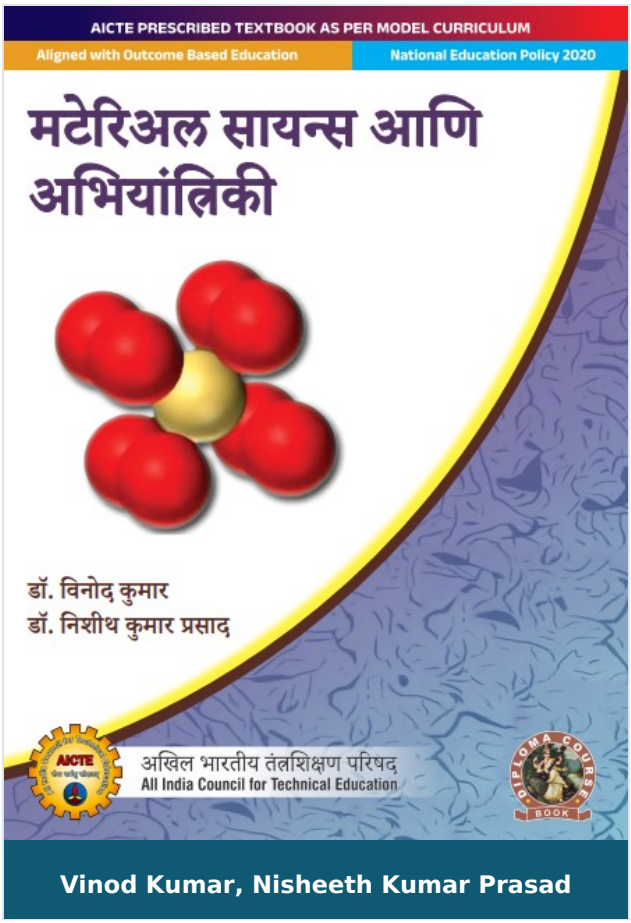

Material Science & Engineering

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Author

Vinod Kumar

Dr. Vinod Kumar Assistant Professor and Former Head, Department of Metallurgical Engineering and Materials Science, IIT Indore, Simrol, Khandwa Road, Indore -453552, Madhya Pradesh Dr.

Nisheeth Kumar Prasad

Dr. Nisheeth Kumar Prasad Assistant Professor, Department of Metallurgical Engineering and Materials Science, IIT Indore, Simrol, Khandwa Road, Indore-453552.

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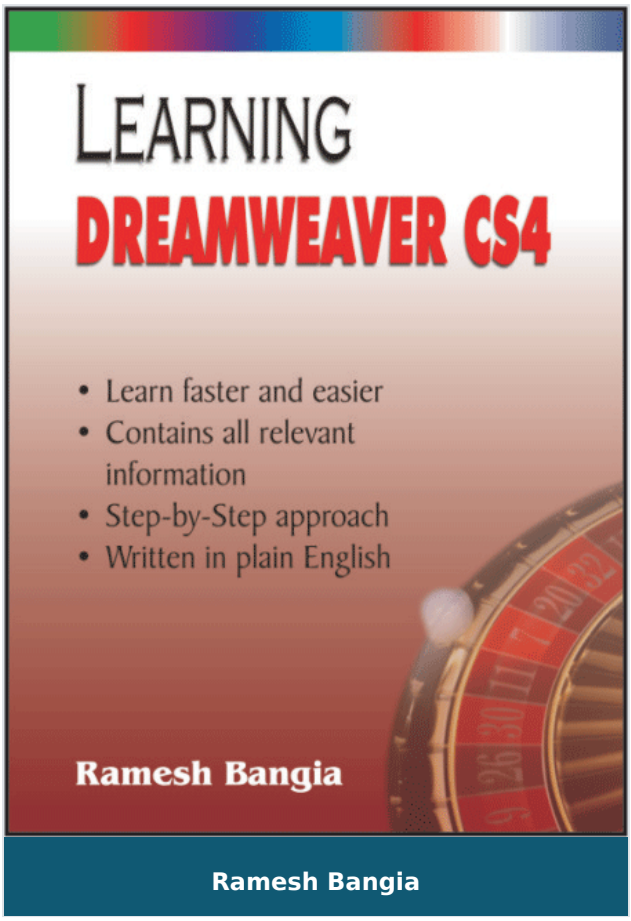

Ramesh Bangia

Learning Dreamweaver CS4

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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. Freamweave CS4 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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Table Of Contents

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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