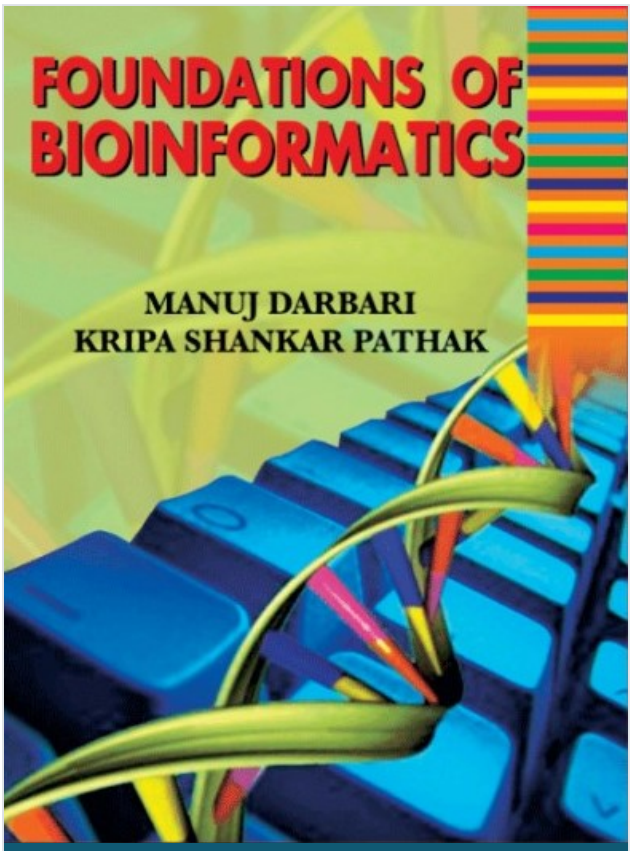


Manuj Darbari

Foundations of Bioinformatics

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

Product Description

It gives me immense pleasure to introduce this book for engineering students. It covers the basic concepts of Bioinformatics which are beneficial to undergraduate as well as to post graduate students of pharmacy. In the first phase this book introduces about basics of biology and in second phase it deals with use of computers to store and code the biological terms in a proper predefined manner. This book also provides a better support to professionals dealing in the field of bioinformatics. There are various paper sets along with the previous years paper.

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- Bioinformatics
- The Diversity of Life Forms
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- Data Searches and their Alignment Method
- B.Tech Papers and Sample Question Papers

Author

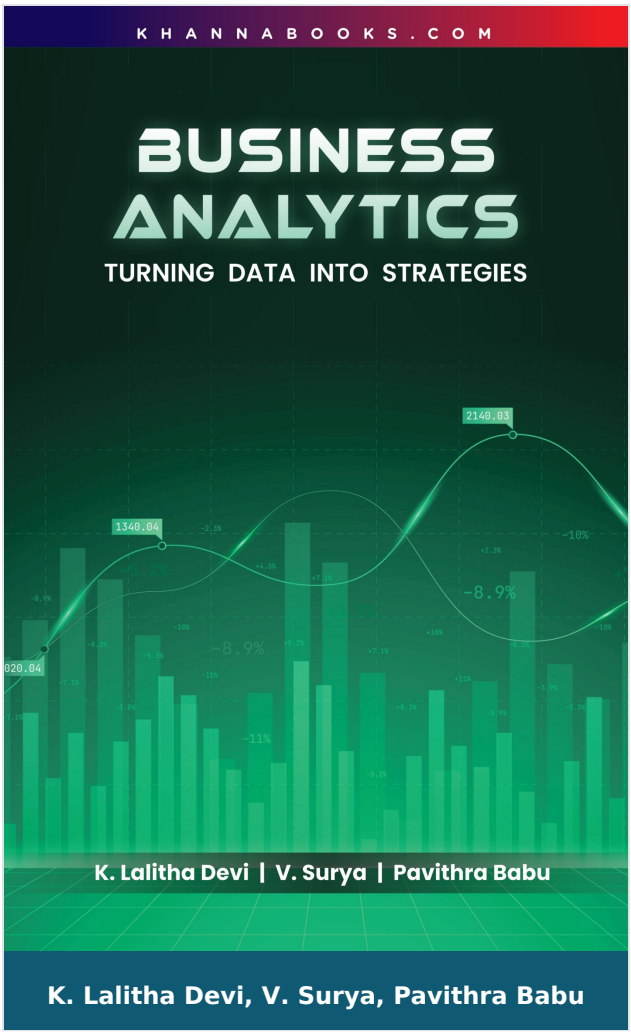
Manuj Darbari

Manuj Darbari received his ME in Electronics and Communication from MNNIT, Allahabad. He has done MBA from Lucknow University, and is undergoing PhD in Information Science and Technology from BIT, Mesra Ranchi. He has vast knowledge in the field of Electronics and latest issues in Information Technology, he has done CDAC Diploma in Advance Computing offered by CDAC Pune. He is presently working as Asst. Professor in Information Technolgy Department, BBDNITM, Lucknow. He is a member of IEEE (USA), IETE, CSI and ACM (USA). He is also recognized as a charted Engineer (India) by Institution of Engineering. "

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Business Analytics (Turning Data into Strategies)

Author :	K. Lalitha Devi, V. Surya, Pavithra Babu
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Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 248.00
Categories :	Computer Science Engineering, New Arrivals, Book Store, Sathyabama Series
Condition Type :	New
Country Origin :	India

Product Description

This book serves as an essential guide for navigating the complex, data-driven world, focusing on the discipline of Business Analytics (BA). Titled "Business Analytics Turning Data into Strategies," it is specifically designed to equip professionals, analysts, and decision-makers with the knowledge to harness the immense power of data for informed and effective business strategies.

The core purpose is to provide a comprehensive understanding of BA concepts, methodologies, and applications, going beyond traditional reporting to leverage statistical models and predictive algorithms to uncover hidden patterns and optimize strategies. It explores the full spectrum of analytics, from Descriptive Analytics—understanding past trends—to Predictive Analytics—forecasting future outcomes, and the advanced practice of Prescriptive Analytics—optimizing decisions and recommending the best course of action.

Structured to balance theoretical concepts with practical insights and real-world applications, the book provides a clear roadmap for driving growth, efficiency, and innovation. It delves into modern topics crucial for competitive advantage, including Big Data Analytics, Machine Learning, and Artificial Intelligence. Whether you are a beginner seeking foundational knowledge or an experienced professional looking to refine skills, this resource will equip you with the tools and mindset to transform raw data into a strategic asset for sustainable success.

Salient Features:

• Full Analytics Spectrum: Explores the four major types of analytics—Descriptive, Diagnostic, Predictive, and Prescriptive—to help businesses understand what happened, why, and what action to take next.

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• Data Architecture Explained: Provides in-depth coverage of Data Warehouse and Data Lake architectures, detailing the ETL/ELT process and their critical role in supporting efficient strategic reporting.

• Core Data Mining: Discusses foundational Data Mining concepts, including OLAP, Association Analysis, and Cluster Analysis to discover hidden patterns for effective decision optimization.

• Text & Web Analytics: Guides readers through techniques like Natural Language Processing and Sentiment Analysis to extract meaningful insights and trends from unstructured sources like social media and web data.

• Strategic Performance KPIs: Details the Business Performance Management cycle, covering the setting of objectives, monitoring of Key Performance Indicators (KPIs), and utilizing real-time dashboards.

• Industry Applications: Showcases practical applications of BA in various business functions, including Finance, HR, Operations, Retail, and Healthcare, to solve complex real-world challenges.

• Big Data & AI: Integrates discussions on high-volume, high-velocity Big Data (the 5 Vs) and the application of AI and Machine Learning algorithms for advanced predictive and prescriptive solutions.

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- Introduction to data Mining
- Transaction Processing
- Business Performance Management

Author

K. Lalitha Devi

K. Lalitha Devi

V. Surya

V. Surya

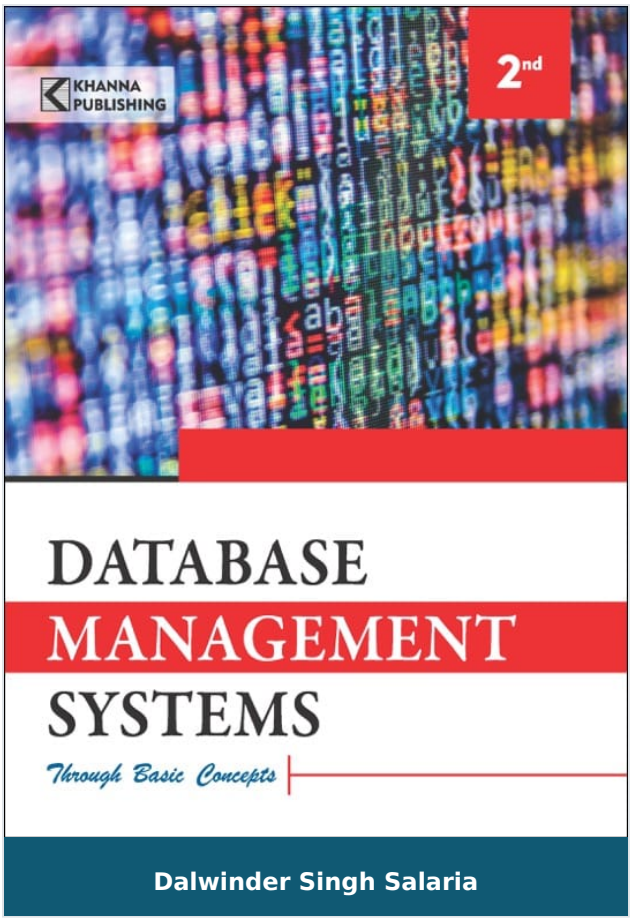
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Database Management Systems

Author :	Dalwinder Singh Salaria
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Product Description

This book is specially designed to serve as first level textbook on the subject of Database Management Systems. The Subject of DBMS is of prime importance foe the students 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. The best efforts are put in to the material in an illustrative manner that is easy to red and understand.

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- Data Models
- Relational Model
- Structure Query Language
- Relational Database Design
- Transaction Processing System
- Security
- PL/SQL
- Distributed Database
- New Application

Author

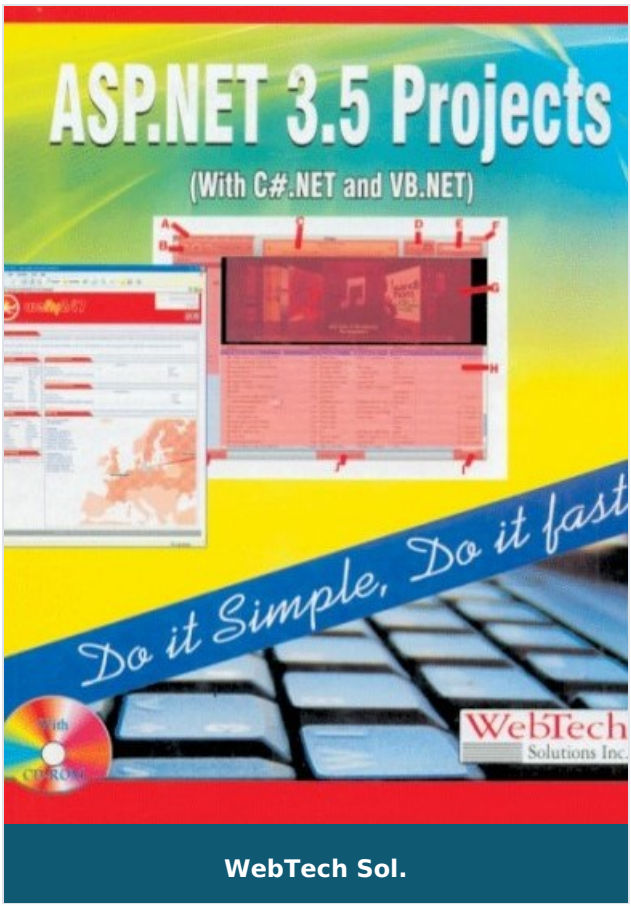
Dalwinder Singh Salaria

Dalwinder Singh Salaria Assistant Professor Department of Computer Science & Engineering Lovely Professional University, Phagwara (Punjab)

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WebTech Sol.

ASP.Net 3.5 Projects

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Condition Type :	New
Country Origin :	India

Product Description

This book is one of the pioneers of the technology industry. Web tech 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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- On Line Examination
- Tax Saving System
- Guest Book Entry
- File Manager
- Banking Transaction
- Inventory Management System
- World of Recipe
- On Line Contact Information

Author

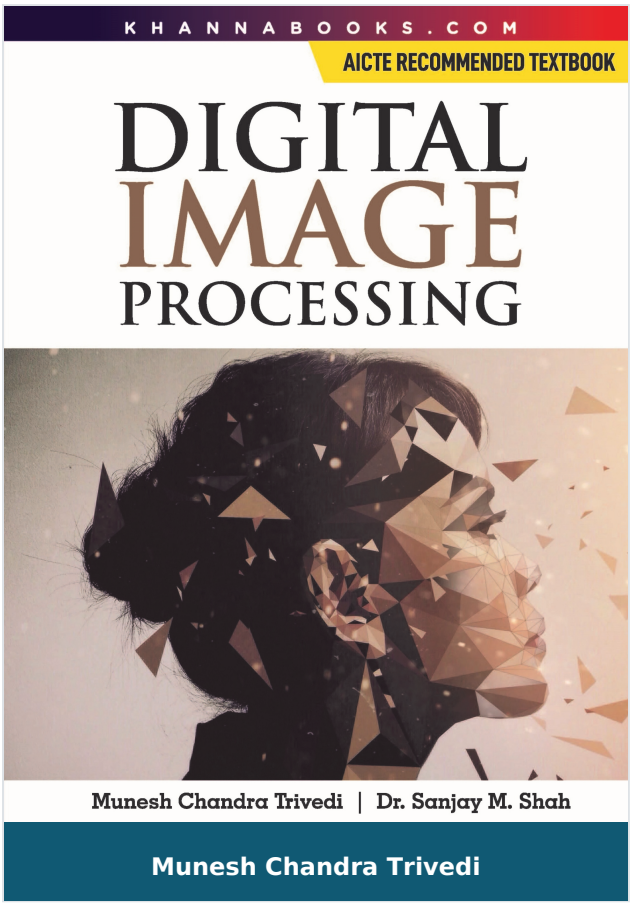
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WebTech Sol. WebTech Solutions Inc. is one of the pioneers of the technology industry. Webtech Solution Inc. is a leading IT development company bringing the latest technologies in a short span of time. Its professional research team aims to deliver 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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Digital Image Processing

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Product Description

There are many books available in the market on the proposed topic but none of them can be termed as comprehensive, Besides, students face problem in understanding the language of the books, seeing these problems, it struck our mind that we should come up with a book in A Classroom approach of Digital Image processing, which should be simple enough to comprehend and comprehensive enough to encompass all the topics of different institutions and Universities.

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Table Of Contents

- Introduction to Image Processing
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- Image Enhancement in Frequency Domain
- Image Restoration
- Color Image Processing
- Morphological Image Processing
- Registration
- Image Segmentation
- Feature Extraction
- Object Recognition
- Image Coding and Compression
- Introduction to Matlab

Author

Munesh Chandra Trivedi

Dr. Munesh Chandra Trivedi has more than 20 years of experience in the field of computer science & Engineering and has worked in Prestigious Institutions. He has more than 10 years' experience in various administrative responsibilities e.g., Dean (academics), Head of Department, TEQIP-111 Coordinator, PG coordinator, EDC cell Coordinator. Currently working Tripura, India, and Associate Professor and HoD (IT), Rajkiya Engineering College, Azamgarh, up (state Govt Institution of UP) with the additional responsibility of Dean Academics of the institute & Associate Dean UG Programs, Dr. APJ Abdul Kalam Technical University, Lucknow (State Technical University). He was also the Director (In-charge) at Rajkiya Engineering College,

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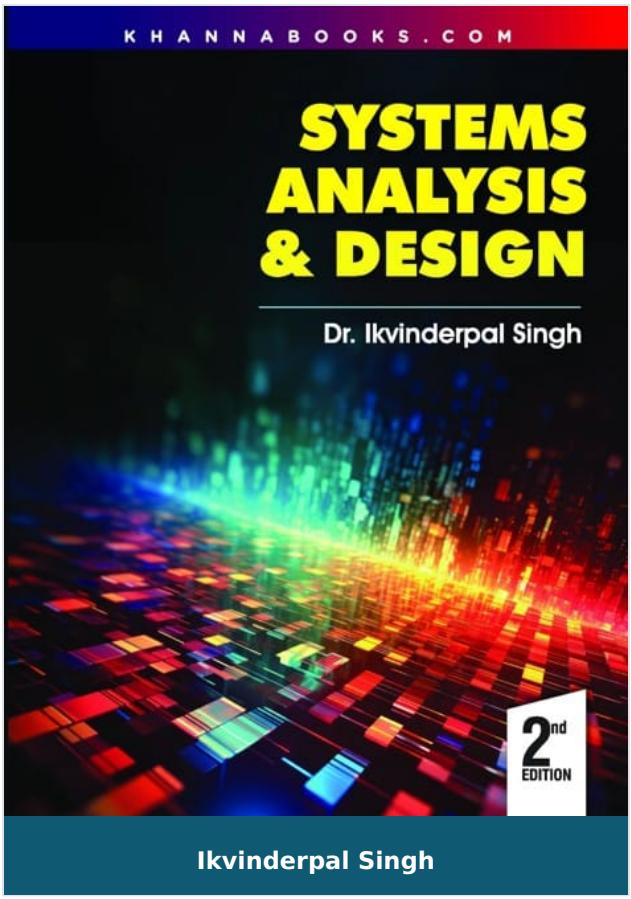
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Azamgarh. He had successfully filed 81 patents (65 National and 16 International Patents (Germany, South Africa, and Australia)), out of which 40 patents were granted. He has published 12 textbooks and 168 research papers in different International Journals and proceedings of repute. He has also edited 38 books for springer Nature. He successfully supervised 14 PhD students and received numerous awards, including the Young scientist Visiting Fellowship, Albert Einstein Research scientist Award, Best senior Faculty Award, Outstanding Scientist, Dronacharya Award, Author of the Year, and vigyan Ratan award from different national, as well as international forums. He has organized more than 32 international conferences technically sponsored by IEEE, ACM, AND Springer. Dr.

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Ikvinderpal Singh

Systems Analysis and Design

Author :	Ikvinderpal Singh
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Product Description

Systems analysis and design (SAD) in an exciting, active field in which analysts continually learn new techniques and approaches to develop systems more effectively and efficiently. However, there is a core set of skills that all analysts need to know no matter what approach or methodology is used. All information system projects move through the five phases of planning, analysis, design, implementation and maintenance; all projects require analysts to gather requirements, model the business needs, and create blueprints for how the system should be built; and all projects require an understanding of organizational behavior concepts like change management and team building. This book captures the dynamic aspects of the field by keeping students focused on doing SAD while presenting the core set of skills that we feel every systems analyst needs to know today and in the future. It also builds on our professional experience as systems analysts and on our experience in teaching SAD in the classroom.

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- Feasibility Study
- Information Gathering
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- System Design:Structured Approach
- Object-Oriented Design
- User-Interface Design
- Coding & Documentation
- System Testing
- System Testing Strategies
- System Quality
- System Maintenance & Supports Users

Author

Ikvinderpal Singh

Dr. Ikvinderpal Singh is an Assistant Professor at Trai Shatabdi Guru Gobind Singh Khalsa college Amritsar, bringing 17+ years of academic leadership and research experience to the field of computer science. A Gold Medalist in B.Sc. IT, with an MCA (Distinction) and a Ph.D. in Neural Networks and Image Processing, he is known for blending rigorous

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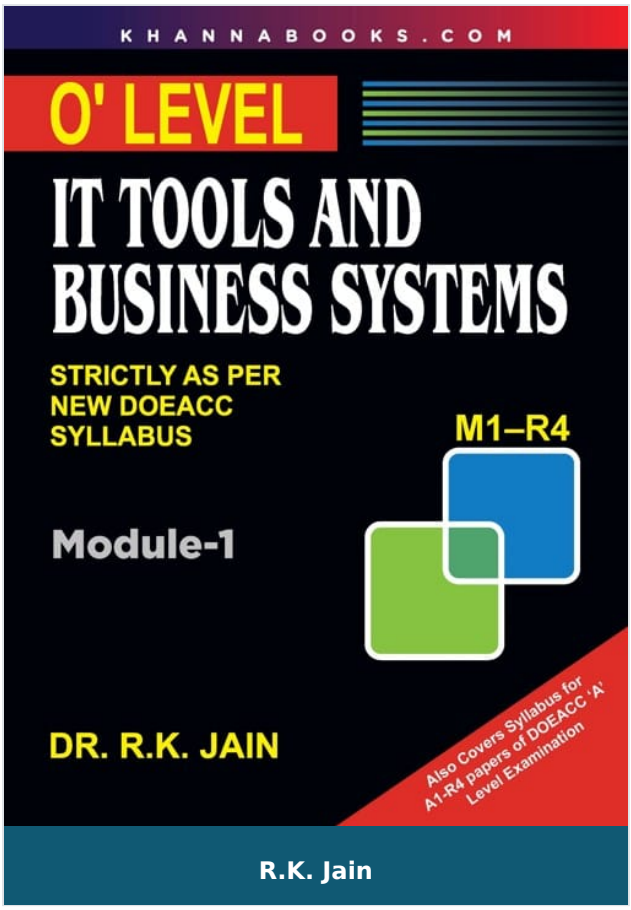
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research with practical innovation. A prolific academic creator, he has authored 37 books, published 82+ research papers, and designed 100+ industry-aligned skill-development courses. His expertise extends to doctoral evaluation, supervision, and active participation on 100+ editorial and review boards worldwide.

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IT Tools and Business Systems

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Product Description

Written strictly according to the syllabus for M1-R4 paper of 'O' Level as prescribed by DOEACC examination, it covers various topics of basic internet technology like word Processing, spreadsheet presentation and database operations. Each topics is covered in a separate chapter ans. has questions as described by DOEACC guidelines. Students reading this book and solving all the questions given with the chapters and the sample papers as the end of it are sure of getting through the exams. Special features of the book are review question at the end of each chapter, Sample papers at the end of the book, Glossary and index is provided too, wherever necessary topics are explained with screen shots.

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- Linux Operating System
- Word Processing
- Spreadsheets
- Presentations
- Databases
- Information Technology and Society
- Sample Paper
- Glossary

Author

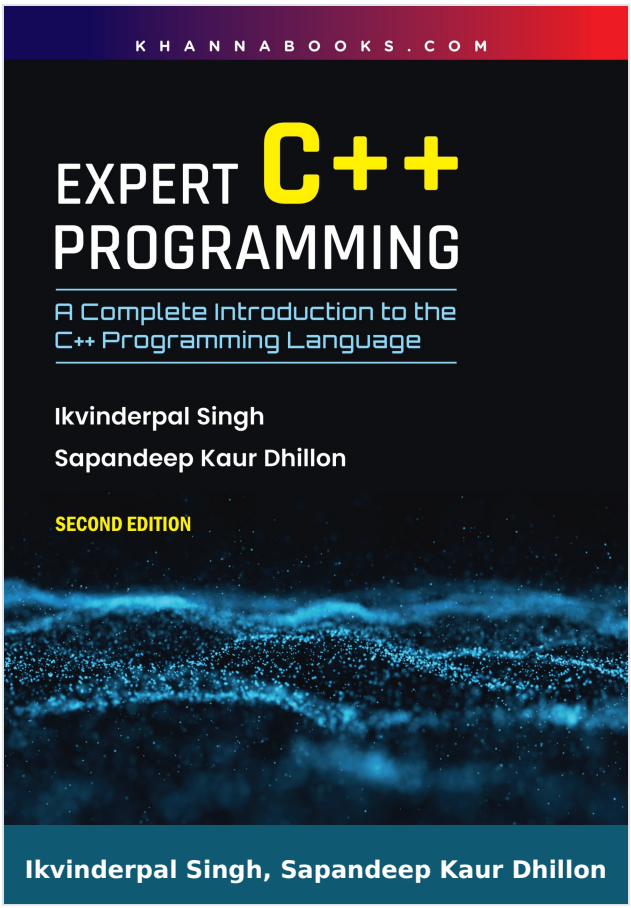
R.K. Jain

Dr. R.K. Jain studied at IIT Powai and submitted his thesis for Ph.D at Iit Delhi. He has held various important posts in the past. At present he is advisor to variuos universities on setting up of a computer department and setting up of the syllabus for the same. With his knowledge of the various computer topics, he is and ideal choice for writing these kinds of books.

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Expert C++ Programming

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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 c++ programming. Its approach is explanatory and language is lucid and communicable. Each and every concept described with the help of its pictorial representation, examples, and solved programming to have clear ideas. Each chapter contains programming problems, objective type questions, and exercises. This book will be useful for student of BE(Computer/Electronics), B. tech, ME(Computer/Electronics), M. Tech, MCA, BCA, M.Sc., B.Sc., and also to students pursuing A/B/C-level Course of DOEACC.

Salient Features

- Detailed description to object-oriented programming and its features. It also includes evolution of C++ in detail.
- 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.
- Demonstrates every program in a good programming style.
- Around 500 solved C++ programs are included.
- Around 300 objective type questions are included.
- Gives detailed description of arrays, strings and functions in lucid manner.

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- Covers all concepts of array, pointers like array and pointer, function and pointer, dynamic memory allocation in detail. It also includes concept of structure and union.
- Covers all concepts of classes and constructor in a lucid manner, it also covers operator overloading; each and every operator is overloaded using programming techniques.
- All types of inheritance and polymorphism are given in detail with new concepts like virtual inheritance, aggregation, composition, virtual function, object slicing etc.
- Covers different special functions like inline, friend, static, const, volatile etc. with the help of examples and simple programs.
- Presents various streams and files operations like open (), close (), seek (), reading and writing a file, working with streams etc.

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- More About Classes
- Operator Overloading
- Inheritance
- Polymorphism and Virtual Function
- Exploring Special Functions
- C++ Streams and Files
- Templates
- Exception Handling
- Standard Template Library and Namespaces

Author

Ikvinderpal Singh

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Dr. Ikvinderpal Singh is an Assistant Professor at Trai Shatabdi Guru Gobind Singh Khalsa college Amritsar, bringing 17+ years of academic leadership and research experience to the field of computer science. A Gold Medalist in B.Sc. IT, with an MCA (Distinction) and a Ph.D. in Neural Networks and Image Processing, he is known for blending rigorous research with practical innovation. A prolific academic creator, he has authored 37 books, published 82+ research papers, and designed 100+ industry-aligned skill-development courses. His expertise extends to doctoral evaluation, supervision, and active participation on 100+ editorial and review boards worldwide.

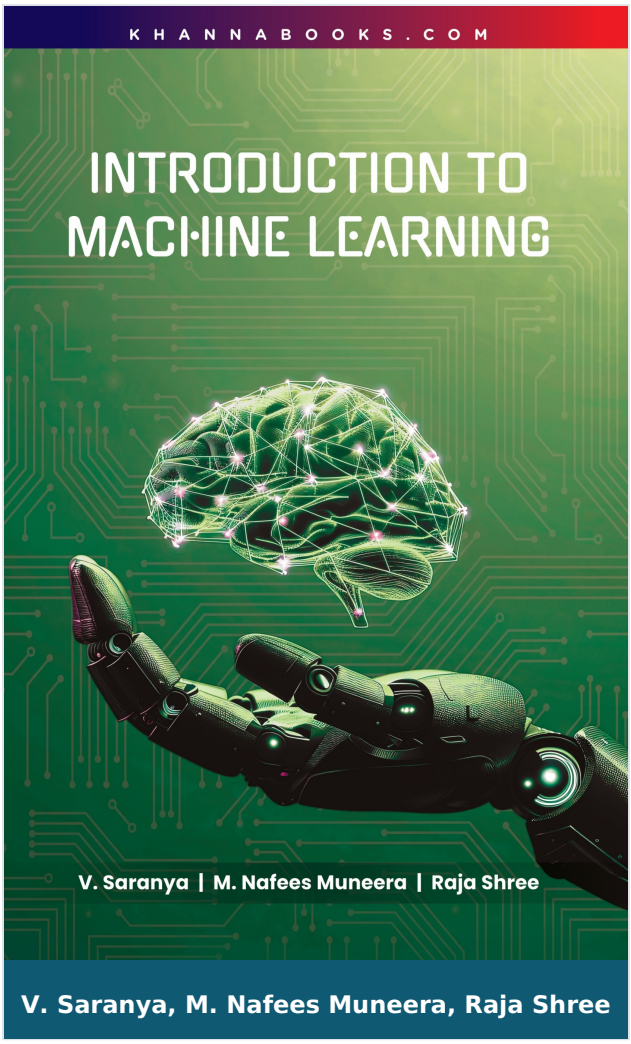
Sapandeep Kaur Dhillon

Sapandeep Kaur Dhillon is an assistant professor in the department of computer science, Guru Nanak Dev University, Amritsar, bringing 12+ years of dedicated academic experience to the discipline. She has authored 4 books, published 10+ research papers across national and international journals, reflecting her steady engagement with emerging trends in computing. Her academic interests span data structures, Compiler Design, and Artificial Intelligence, where she integrates foundational theory with practical, algorithmic thinking.

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Introduction to Machine Learning

Author :	V. Saranya, M. Nafees Muneera, Raja Shree
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Product Description

The book, INTRODUCTION TO MACHINE LEARNING, is an essential guide meticulously designed to provide a comprehensive, progressive, and practical foundation in the field of Machine Learning (ML). In the rapidly advancing “data era,” ML has become an integral part of modern advancements across healthcare, finance, autonomous systems, and artificial intelligence. This textbook is dedicated to crafting a strong foundational understanding of the principles, techniques, and real-world applications that drive these intelligent systems.

The core purpose of this book is to bridge the gap between theoretical understanding and practical application. It begins with the fundamental concepts of ML, its categories (supervised, unsupervised, semi-supervised, and reinforcement learning), and essential data preprocessing techniques. The journey progresses through the crucial mathematical backbone, including probability, distributions, and the Naive Bayes Classifier. It then thoroughly explores core supervised algorithms like Linear Regression and Support Vector Machines (SVM), and dives into unsupervised methods such as K-Means clustering and Principal Component Analysis (PCA). Finally, it addresses advanced concepts in model optimization through ensemble methods like bagging, boosting, and stacked generalization.

This resource is an invaluable companion for students building their academic foundation, researchers seeking clear insights, and professionals aiming to integrate ML into their work. The content is structured with clarity and is supported by well-illustrated examples, making it suitable for both beginners and experienced learners who wish to master the application of ML techniques effectively in various domains.

Salient Features:

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• Foundational Principles: Provides a solid, structured introduction to Machine Learning, its core concepts, types (supervised, unsupervised, etc.), and the critical bias-variance tradeoff.

• Essential Preprocessing: Covers crucial initial steps of the ML workflow, including noise removal, normalization techniques, and an understanding of data quality challenges.

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• Supervised Algorithms: Detailed coverage of key supervised methods like Linear Regression, Lasso Regression, Logistic Regression, Support Vector Machines (SVM), and K-Nearest Neighbors (KNN).

• Unsupervised Deep Dive: Explores clustering techniques (K-Means, K-Medoids, DBSCAN), dimensionality reduction with PCA, Outlier Analysis, and an introduction to Reinforcement Learning.

• Model Evaluation: Discusses essential evaluation metrics for both regression and classification tasks, ensuring readers can accurately measure and validate their model performance.

• Advanced Optimization: Focuses on model generalization and optimization using ensemble learning, covering techniques like Bagging, Boosting, Stacked Generalization, and Cascading.

• Practical Application: Emphasizes practical skills and insights necessary for applying ML techniques effectively in real-world scenarios across various domains, supported by clear examples.

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- Introduction to Machine Learning
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- Supervised Learning
- Unsupervised Learning
- Generalization and Optimization

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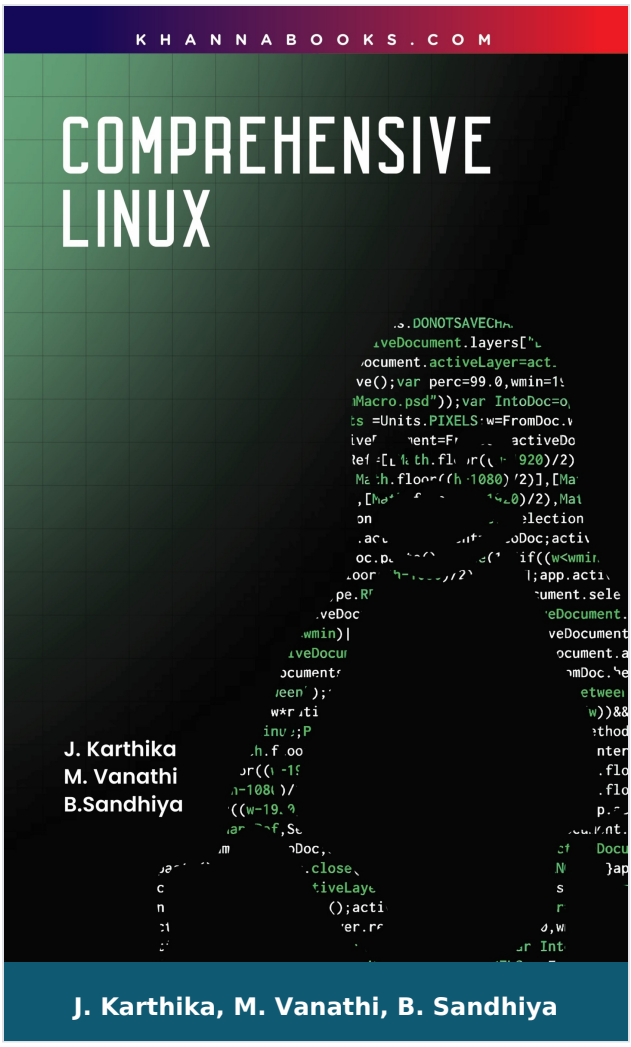
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Comprehensive Linux

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Product Description

This comprehensive guide, COMPREHENSIVE LINUX, navigates the core concepts and modern practices of the versatile Linux operating system, which underpins the digital landscape of enterprise, cloud, and embedded systems. Designed as a complete resource for readers seeking in-depth knowledge, the book offers a crucial blend of theoretical insight and hands-on experience to cultivate real-world expertise in system management.

The focus is distinctly practical, exploring vital administrative tasks across key distributions like Ubuntu for foundational skills and Red Hat Enterprise Linux (RHEL) for advanced server administration. Readers will master essential skills including robust user and group management, advanced shell scripting, process handling, and effective software and networking administration. Beyond foundational topics, the text delves into contemporary applications, providing in-depth coverage of Git repositories, security tools from Kali Linux (like Nmap and Metasploit), and integration with cloud services like Amazon Web Services (AWS).

The book is an invaluable asset for a broad audience, including beginners, seasoned system administrators, IT professionals, and developers who need to effectively manage and secure critical infrastructure in an enterprise context. By the end of this journey, you will be proficient in Linux operations, prepared to tackle complex security challenges, and ready to embrace the cloud computing revolution.

Salient Features:

• Foundation & Enterprise: Covers core concepts using beginner-friendly Ubuntu, then shifts to Red Hat Enterprise Linux (RHEL) for advanced server administration and industry-standard practices.

• Practical Lab Exercises: Features numerous hands-on labs and real-world scenarios in every unit, allowing readers to build essential, verifiable expertise in Linux management.

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• Advanced Shell Scripting: Comprehensive instruction on the Linux shell and scripting, empowering users to automate repetitive tasks and achieve efficient, high-level system control.

• Robust Access Control: Detailed units on user and group management, file system navigation, and implementing granular Access Control Lists (ACLs) for system security.

• Security Tools & Auditing: Explores essential security vulnerability practices using Kali Linux, including practical application of industry-leading tools like Nmap and Metasploit.

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• Server Management: Dedicated deep dives into RHEL server setup, network configuration, Logical Volume Management (LVM), and securing web and file servers.

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- managing Software in RHEL
- Introduction to GIT

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Introduction to Web Technology

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Product Description

The Internet provides new opportunities for any individual or organization in the world. It represents a low cost opportunity for business to promote their products and services world wide. The internet is a global data communications system. It is a hardware and software infrastructure that provides connectivity between computers. The web is one of the services communicated via the internet. web applications are using web technologies such as web browsers and web servers. Java allow you to play online games, chat with people around the world. It is also integral to the intranet applications and other e-business solutions that are the foundation of corporate computing. Web Technologies definitely has a future in teaching and research, as well as web development. The objective of this book is to promote that future by spreading the use of the web technologies as widely as possible.

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- Java Server Pages
- Working with Database
- Developing Java Beans in JSP Page
- Introduction to Struts Frameworks

Author

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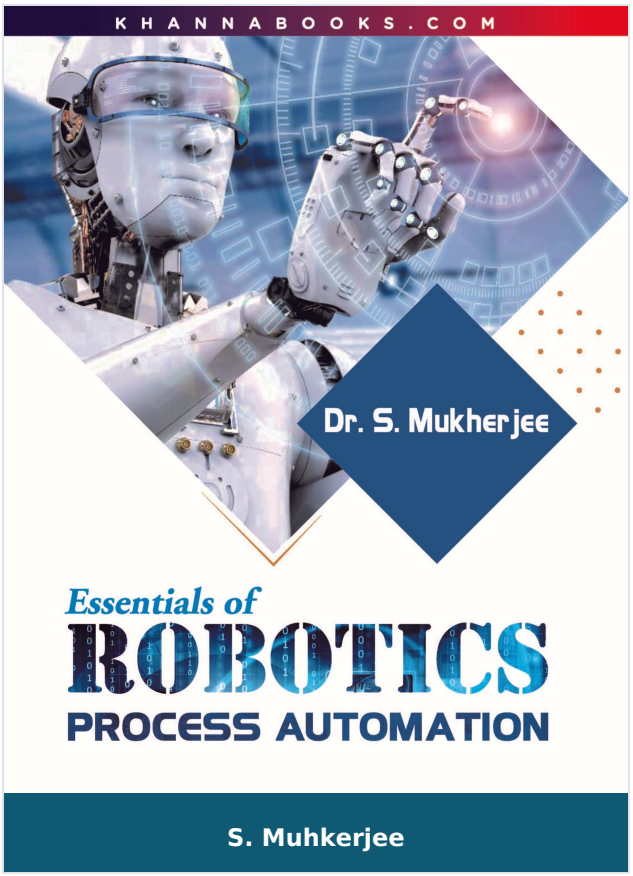
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Essentials of Robotics Process Automation

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Product Description

This Robotics Process Automation book describes the RPA platform for the future of business process automation. More precisely this RPA book has tried to innumerate the followings:

1. RPA that brings speed to your digital transformation.

2. RPA helps to get rid of resource burden and it's consequences.

3. This emphasizes Business process automation must be in the hands frontline.

4. Only Automation Anywhere Enterprise combines consumer-like usability with enterprise-class reliability, and security for RPA that empowers the workforce to automate on their own, in real time.

5. What does RPA mean for business?

Optimize labor investment

Increase capacity on demand

Increase speed and productivity

Maximize availability

Improve business process compliance

Improve controls

Improve auditability

Enhance security

deliver business intelligence

Enable digital transformation

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Improve employee morale

6. Putting RPA to work and deploy your digital workforce in your businesses like insurance, finance, manufacturing and health care and also other.

Deploy, manage and audit your Digital Workforce through a highly-intuitive RPA central command center, on-premise or in the cloud.

This RPA book also enable you to learn more about AI and machine language also factory automation, safeguard your data, analyze old predict business performance, streamline your blended anywhere, big data ready for analytics.

This book is made for BS/B,TECH and MS/M.TECH/MCA/MBA student who will have in-depth knowledge about RPA and its associated technologies falls in the same platform.

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- Case Study (List of Practicals)
- RPA Interview (Questions and Answers)

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Recipients of the award, "Best Technologist & Emerging Scientist of the Year 2003" from Chair person of Science and Tech Commission, USA in the Capitol Hill, but it Washington His leadership also include in accomplishing to develop an NRI Complex in India of American. He is “Technical Advisor “ of Federal Commission of USA of “ Science & Technology “ and “Energy” from 2010 .

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