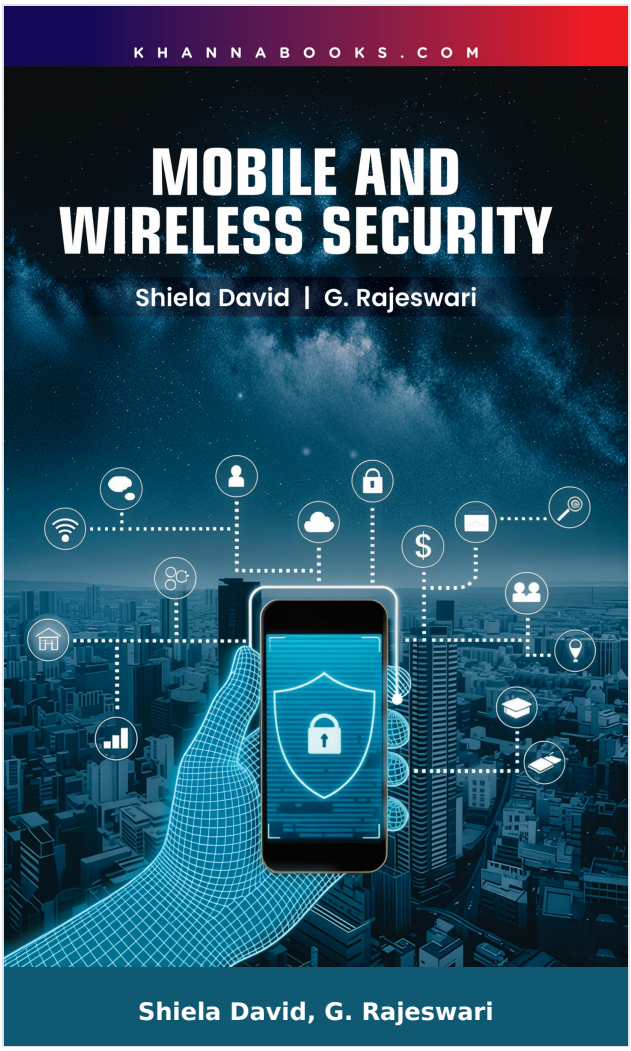


Mobile and Wireless Security

Author :	Shiela David, G. Rajeswari
ISBN 13 :	978-93-55389-03-9
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E-ISBN 13 :	978-93-55389-03-9
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Publisher :	Khanna Publishing House
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Condition Type :	New
Country Origin :	India

Product Description

In our modern, interconnected world, where wireless networks and mobile devices have become ubiquitous tools for communication, business, and daily life, the imperative for robust security has never been greater. This handbook, Mobile and Wireless Security, serves as an essential guide, providing an in-depth understanding of this dynamic and critical field, from foundational principles to the newest industry trends.

The core purpose of this material is to illuminate the underlying systems of wireless technology and expose the resultant security threats they face. The book's major goals are to enable readers to grasp the basic features of wireless systems, meticulously examine the necessary security protocols and cryptographic methods, and confidently implement effective security practices across various wireless devices. It thoroughly addresses the vast array of threats, such as unauthorized access, data intrusion, and Denial of Service (DoS) attacks, that compromise modern wireless environments.

This resource is designed for a broad target audience, including IT professionals, cybersecurity experts, academics, students, and any individual or organization—from enterprises to governments—who must proactively safeguard sensitive data and defend against unauthorized access in a mobile-first landscape. By the end of this journey, you will possess the practical knowledge required to apply sophisticated security measures to mobile wireless systems with the confidence needed to secure wireless networks in real-world applications.

Salient Features:

• Foundational Network Models: Delivers a clear overview of the OSI and TCP/IP models, establishing the fundamental theoretical frameworks necessary for understanding how various network protocols interact during end-to-end communication.

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• Wireless Protocol Evolution: Provides a comprehensive examination of essential WLAN security protocols, detailing the weakness of WEP and the evolution through WPA and WPA2 to the robust security standards offered by WPA3.

• Core Cryptography Methods: Covers symmetric and asymmetric cryptography schemes, hash functions, and key secure protocols like SSL/TLS and IPSec, which are crucial for securing data confidentiality, integrity, and non-repudiation.

• Device Security Analysis: Dedicated content analyzes security problems specific to wireless devices, including Laptops and Handsets, covering topics like physical security, application security, and the risks of information leakage.

• Cellular System Defense: Explores security considerations for cellular networks, detailing threats, types of Cellular Fraud, and the security mechanisms employed within systems like GSM and data networks such as GPRS.

• Wireless Threat Landscape: Defines and provides mitigation techniques for pervasive wireless threats, including Eavesdropping, Communication Jamming, Rogue Client Attacks, and vulnerabilities arising from weak cryptographic algorithms.

• Practical LAN Implementation: Offers practical security guidance on deploying Wireless LANs in various organizational structures, including Large Enterprise Campuses, Wireless ISP Designs, and Small Office/Home Office (SOHO) environments.

• Security Best Practices: Outlines actionable strategies for a proactive security stance, emphasizing the need for robust Authentication, ongoing Network Monitoring, regular Firmware/Software Patching, and stringent physical access controls.

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Table Of Contents

- Wireless Technology and Wireless Security
- Introduction to Wireless Security protocols and Cryptography
- Security Considerations for Wireless Devices
- Wireless Technologies and Applications
- Implementing Wireless LANs: Security Concideration s

Author

Shiela David

Shiela David

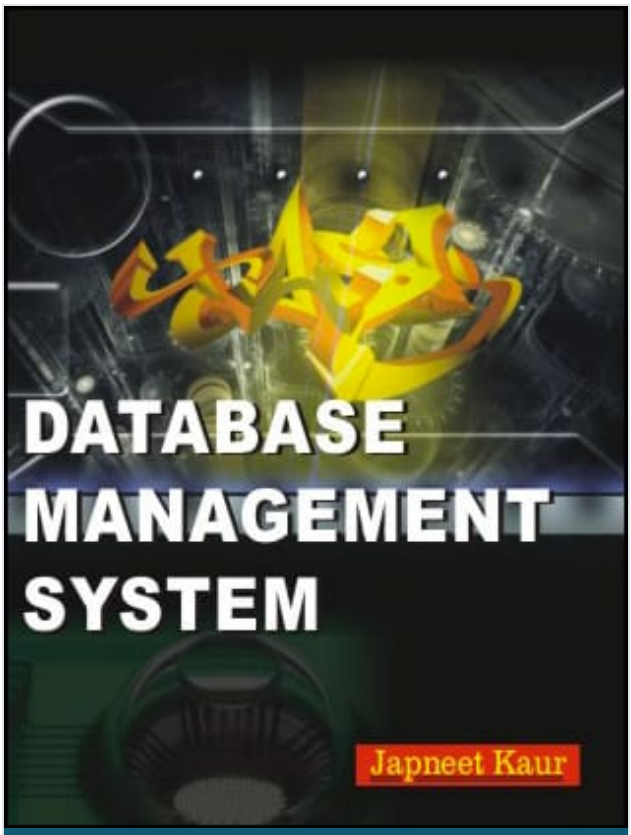
G. Rajeswari

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Japneet Kaur

Database Management System

Author :	Japneet Kaur
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Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 350.00
Categories :	Computer Science Engineering, Book Store
Condition Type :	New
Country Origin :	India

Product Description

The major objective of this book is to provide a strong formal foundation in database concepts, technology and practice to the readers to groom them into well-informed database application developers. Rather than discussing isolated knowledge/experience fragments in each of the concepts, technology and practice, the book will aim at achieving a good blend of the three. The overriding concern, therefore, it to include just enough concepts and theory to motivate and enrich the practical component, and to include technology component to maximize the relevance of the book to the industry without sacrificing the long-term objectives of rigour and foundational strenght that can withstand the vagaries of technological advances. Written in simple and lucid language. Covers the UG and PG courses of various universities. Designed for the students as well as for the professionals. covered wide ranging topics with flexible organization and logical flow, enriched with large no. of examples and illustrative figures. Beside the basic fundamentals of DBMS this book also covers the advanced topics in database system such as distributed databases recovery, Transaction, concurrency and security etc. Special emphasis has been given on emerging trends in database System. numbers of expected questions are given for practices.

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Table Of Contents

- Fundamentals of Database Management Systems
- Database concepts and Architecture
- Data Models
- Entity Relationship Modeling
- Relational Database Management System
- Relational Algebra and Calculus
- Normalization
- Structured Query Language
- Transaction Management
- Concurrency Control
- Recovery
- Database Security and Integrity
- Object Oriented Databases
- Distributed Database Management System
- Expert System
- Oracle Structured Query Language* Plus
- Procedural Languages/Structured Query Language
- Developer Form
- Developer Report

Author

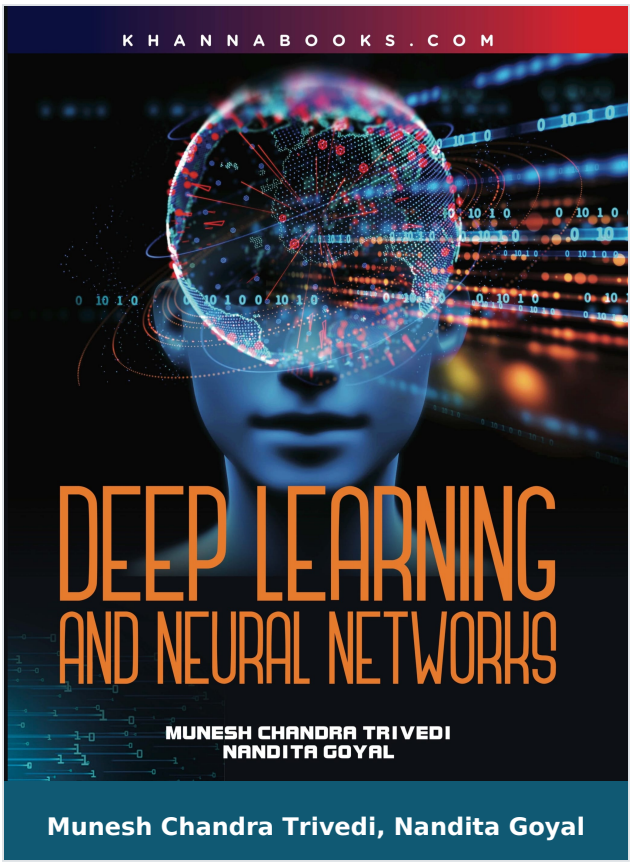
Japneet Kaur

DR. Japneet Kaur B.Sc./BCA/M.Sc./MCA/B.Tech./M. Tech. etc of various Indian Universities.

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Deep Learning and Neural Networks

Author :	Munesh Chandra Trivedi, Nandita Goyal
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Publisher :	Khanna Publishing House
M.R.P :	Rs 298.00
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Condition Type :	New
Country Origin :	India

Product Description

The focus on the theory, algorithms, implementations and practical applications of deep learning and neural networks makes An Insight into Deep Learning and Neural Networks useful for students of Computer Science and mathematics. The book introduces neural networks starting with a quick tour of the very first ANN architectures, then covering topics such as training nets, recurrent neural networks, and reinforcement learning. Where possible, an application -centric view is highlighted to provide an understanding of the practical uses of each class of techniques.

Students of Computer Science and other related natural sciences will find it easy -to- read textbook, excellent for self -study, a high school level Knowledge of mathematics being the only pre-requisite to understand the material.

Salient Features of the Book:

1. The language is simple and easily understandable.
2. Includes hands-on approach for learning the subject.
3. Simple and intuitive discussions of neural networks and deep learning.
4. Provides mathematical details without losing the reader in complexity.
5. Include exercises and examples.
6. Discusses both traditional neural networks and recent deep learning models.
7. Covers both classical and modern models in deep learning.
8. An application-centric view is highlighted to provide an understanding of the practical uses of each class of techniques.
9. Greater focus is placed on modern deep learning ideas such as attention mechanisms, transformers, and pretrained language models.

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Table Of Contents

- Information Flow in a Neural Network, Understanding Basic Structure and ANN.
- Training a Neural Network, How to Determine Hidden Layers, Recurrent Neural Network.
- Convolution Neural Network, Image Classification and CNN.
- RNN and LSTMs, Applications of RNNs in Real World.
- Creating and Deploying Networks using Tensor Flow and Keras.

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, 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

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international conferences technically sponsored by IEEE, ACM, AND Springer. Dr.

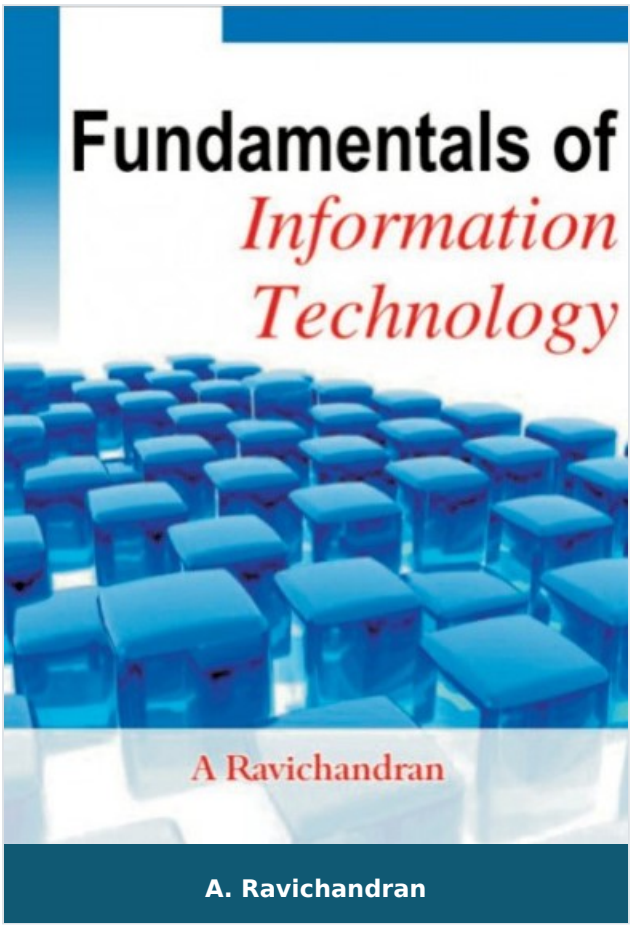
Nandita Goyal

Dr. Nandita Goyal has more than 17 years' experience in Teaching and Research. Her areas of interest are Cloud Computing, Deep learning and Neural Networks. She has published many research papers in different reputed International Journals and Conferences.

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A. Ravichandran

Fundamentals of Information Technology

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Product Description

This book Covers all the important aspects of computers, their growth, usage and abilities. Each topic has has fully covered to explain their developments and future usage. This book would serve the base for the learning process for all the students of computers and information technology. Starting with students of schools, to colleges, to the universities, or whosoever who wants to have more information about the subject. 20th century has seen the development of information technology to the fullest. This field is changing at such a fast speed that it becomes impossible to keep track of the developments taking place throughout the world. This book in one of the such book which keeps you informed about the development which has taken place and are now on the verge of capturing the market, specially, mobile computing, Geo Information system, knowledge database system, etc.

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Table Of Contents

- Introduction to Computers
- Computer Anatomy and Architecture
- Number System
- Central Processing Unit
- Input, Output and Storage Devices
- Introduction to Computer Software
- Introduction to Software Development
- Programming Languages
- Operating Systems
- General Software
- Microsoft Windows XP
- Introduction to Microsoft Office
- Microsoft Word
- Microsoft Excel
- Microsoft PowerPoint
- Microsoft Access
- Introduction to Database Management Systems
- Database Systems and Architecture
- DBMS and SQL
- Introduction to Telecommunications
- Introduction to Networking
- Introduction to Communications
- Internet and World Wide Web

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- e-commerce and e-business
- Web Design and Web Technology
- Introduction to Computer Security
- Cryptography
- Computer Virus, Worms and Bombs
- Multimedia and Applications
- New Technologies
- Use of Computers in various Industries
- Introduction to Tally 9.0

Author

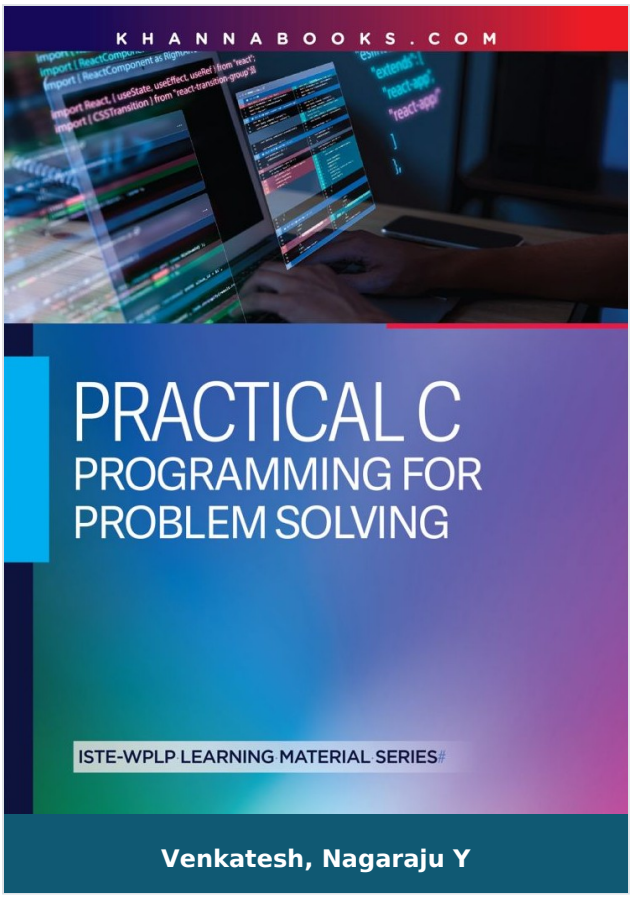
A. Ravichandran

A. Ravichandran He has obtained M.Tech degree in Computer Science & Engineering from IIT. Delhi and Ph.D degree in Computer Science and Engineering from IIT Kanpur. He has been in teaching field since 1983 and now currently guiding: research work on Image processing, Computer vision and Computer Graphics. He has also published 22 technical/research papers in National and International. He is an Sun certified programmer as well as Sun certified trainer by Sun Microsystems.

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Practical C Programming For Problem Solving

Author :	Venkatesh, Nagaraju Y
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Product Description

The educational objective of this textbook is to introduce the fundamentals of C, its building blocks, the logic flow is to programs, and to provide a detailed explanation of C program coding.

This book is dedicated to pragmatic C programming. C is a language that makes learners feel confident while learning it. That's because C is a standardized and simple language with respect to syntax. It stands as the language of choice for hardware programming among programmers. This book emphasizes the skills required to solve real- world problems through programming. It not only offers insights into the working procedures but also delves into the fundamentals, teaching the creation of flowcharts and writing algorithms.

This book serves two general purposes. First, it acts as a manual for graduate-level students who wish to learn coding using the C programming language. Second, it serves as a guiding companion for newcomers in companies, aiding them in understanding logic flow and the art of coding. Learning C has become a prerequisite for Computer Science graduates, as the language is both simple and comprehensible. The motivation behind the writing of this book is to facilitate the process of learning C and mastering logic flow.

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Table Of Contents

- Introduction to C Programming Fundamentals
- Basic Lebel C Programs
- Intermediate Lebel C Programs
- Concepts Oriented C Programs
- Sorting and Searching Algorithms
- Advanced C Programs
- Project Implementation Using C

Author

Venkatesh

Venkatesh,

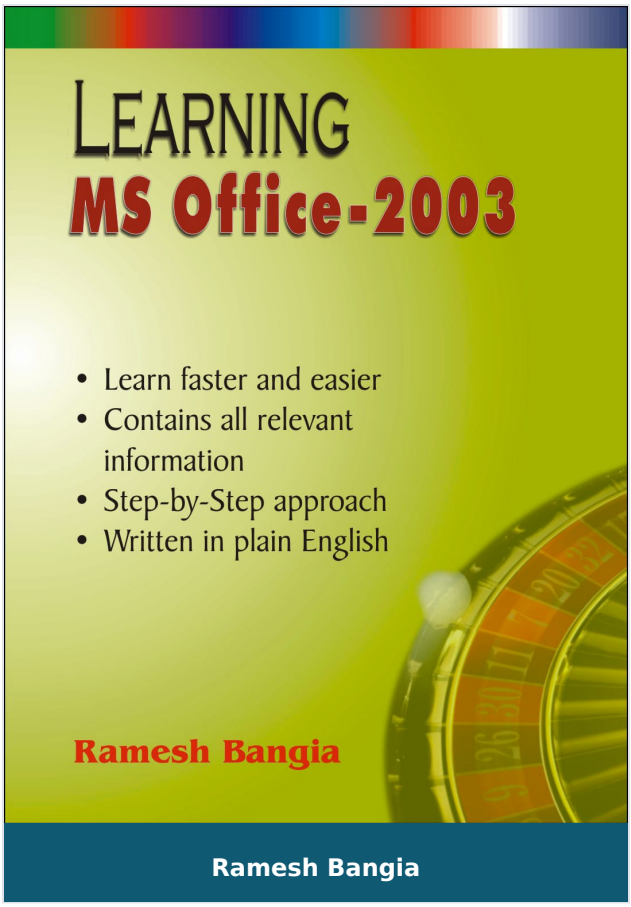
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Learning MS Office 2003

Author :	Ramesh Bangia
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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. Microsoft Office 2003 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

- Introduction to Microsoft Office 2003
- Creating a Document in Microsoft Word 2003
- Proofing a Document in Microsoft Word 2003
- Working with Longer Documents
- Creating Documents using Wizards
- Additional Commons of Word 2003
- Mail Merge in Word 2003
- Using Drawing Tools in Word 2003
- Creating a Worksheet in Excel 2003
- Advanced Techniques of Excel 2003
- Working with Charts in Excel 2003
- Creating a Database in Access 2003
- Working with Tables in Access 2003
- Working with Reports in Access 2003
- Creating Presentations using Auto Content Wizard in Power Point 2003
- Creating New Presentation in Power Point 2003
- Creating Presentation from Template in Power Point 2003
- Working on Presentation in Power Point 2003
- Working in Slide Sorter View in Power Point 2003
- Making Slide Shows in Power Point 2003
- Creating a Web Page using Wizard in Front Page 2003
- Creating a Web Page using Template in Front Page 2003
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- Using Info Path Forms 2003
- Using Office Visio 2003
- Speech and Handwriting
- Questions

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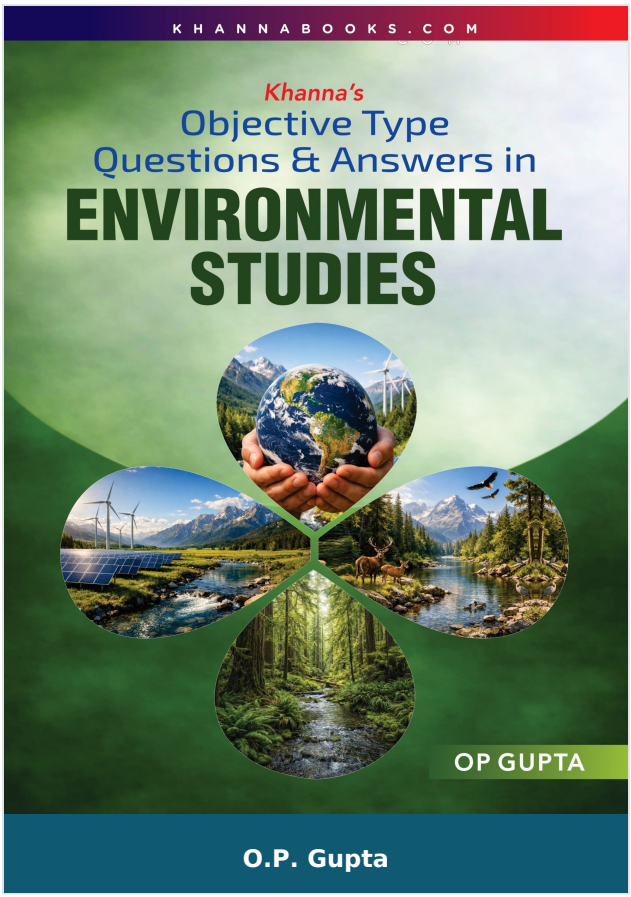
Ramesh Bangia

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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Khanna's Objective Type Questions & Answers in Environmental Studies

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Product Description

Objective Type Questions and Answers in Environmental Studies by Om Prakash Gupta is a meticulously structured academic guide designed to simplify the complexities of environmental science. This comprehensive resource serves as a vital tool for students and professionals navigating the interdisciplinary nature of ecology, pollution control, and sustainable development. By blending fundamental concepts with a rigorous examination framework, the book provides readers with the clarity needed to understand human-environment interactions and the critical challenges facing our planet today.

The book's primary objective is to foster environmental consciousness and ethics through a diverse range of assessment styles. It is specifically tailored to meet the curricular requirements of degree, postgraduate, and diploma students across various engineering branches. Additionally, it serves as an essential reference for candidates preparing for professional associate membership examinations, such as AMIE, AMIIM, and AMIIChE, as well as B.Sc. and M.Sc. students. With its systematic approach and practical focus, the book bridges the gap between academic theory and real-world environmental management.

Salient Features

• Dual-Section Assessment Model: The text is strategically divided into objective-type questions and short-answer formats to cater to different examination patterns and learning styles.

• Multidisciplinary Scope: It covers a wide range of topics, including ecology, ecosystem dynamics, biodiversity, and the socio-economic impacts of industrialization and urbanization.

• Sustainable Development Focus: A significant emphasis is placed on sustainable practices, exploring the balance between economic growth and the preservation of

natural resources for future generations.

• Environmental Impact Tools: The book provides detailed insights into critical regulatory and assessment tools, such as Environmental Impact Assessment (EIA), essential for modern engineering and policy-making.

• Biodiversity and Conservation: Readers gain an in-depth understanding of genetic, species, and ecosystem diversity, alongside the legislative frameworks designed for wildlife and forest protection.

• Human-Centric Challenges: The content addresses pressing human issues, including population explosion, family welfare programs, and the health impacts of environmental pollutants like heavy metals and pesticides.

• Comprehensive Technical Glossary: A specialized glossary is included to define complex terminology in environmental science and renewable energy, ensuring students master the professional vocabulary of the field.

• Practical Problem Solving: Through its diverse Q&A format, the book encourages the application of engineering interventions for environmental protection, such as flood control and waste management.

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Table Of Contents

- Preface
- SECTION A: Objective Type Questions
- SECTION B: Short Answer Type Questions
- SECTION C: Glossary

Author

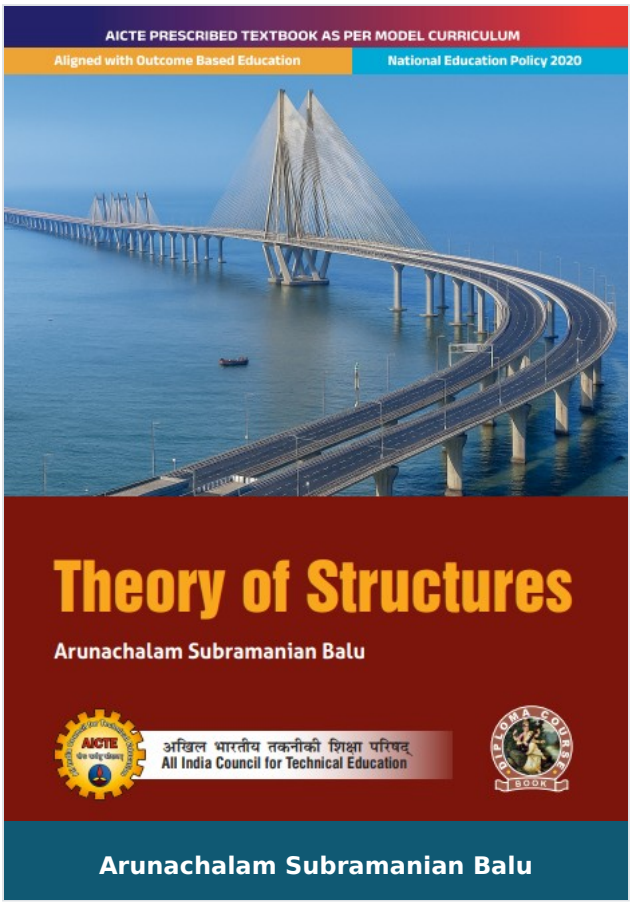
O.P. Gupta

O.P. Gupta Om Prakash Gupta is basically being a chemical engineer, he has a practising experience of efficient Ennergy management and HR functions in steel Industry for more than three decades. privileged to be the youngest writer of technical books in the country (for he had written his first book at the age of 24 years while doing M. Tech. at I.I.T kanpur in 1979), he has authored many frontline books for engineering students. besides, being the regular faculty member in technical courses for Management Trainees (Technical), he has also visited england and france on a study tour sponsored by United Nations Development Programme (UNDP) to study the scope of energy conservation in steel plants in 1987.

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Theory of Structures

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Product Description

Theory of Structures

Theory of structures is a basic core course developed for understanding the behaviour of structures. The presentation of physical principles founded in the field of mechanics can be used for understanding the behaviour of structures, which is the prerequisite for designing any structures. This book aims to help students in developing ability to analyze structures i8n a simple and logical manner. The contents are divided into five units as required for the students of diploma in civil engineering. The main contents of this book are aligned with the model curriculum of AICTE followed by the concept of Outcome based Education as 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.
- Short questions, objective questions and long answer exercises are given for practice of students after every chapter.

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- Solved and unsolved problems including numerical examples are solved with systematic steps

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Table Of Contents

- Foreword
- Acknowledgement
- Preface
- Outcome Based Education
- Course Outcomes
- Guidelines for Teachers
- Guidelines for Students
- Abbreviations and Symbols
- List of Figures
- List of Tables
- Direct and Bending Stresses
- Slope and Deflection
- Fixed and Continuous Beams
- Moment Distribution Method
- Simple Trusses
- Appendices
- References for Further Learning
- CO and PO Attainment Table
- Index

Author

Arunachalam Subramanian Balu

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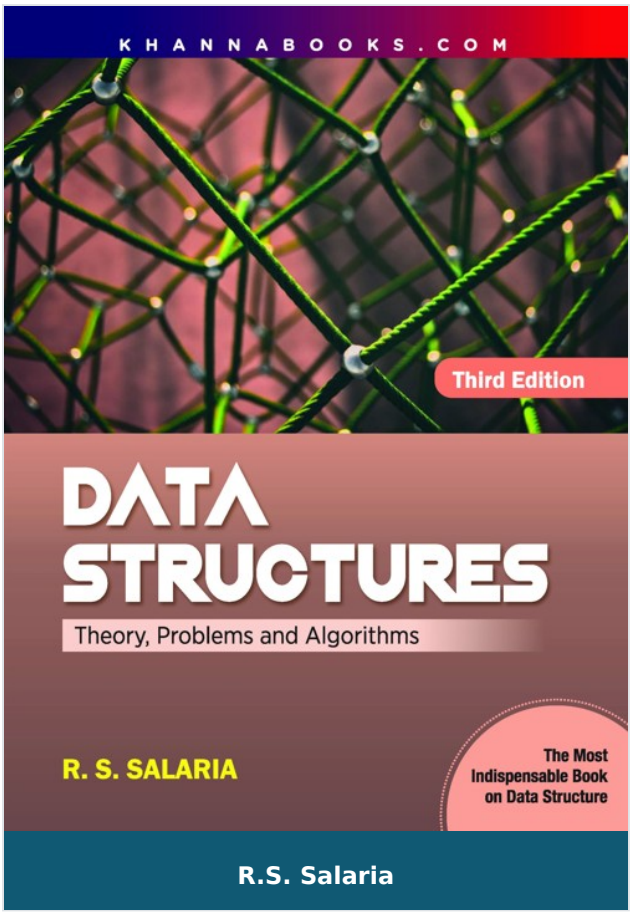
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Data Structures

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Product Description

This book is specially designed to serve as textbook for the student of CA, BSc IT, MCA BE/B. Tech (CSE/IT) MSc (CS/IT) of all Indian Universities.

The subject of data structures is of prime importance for the students of computer science and IT it is of practical nature and requires thorough understanding of basics and concepts of the subject before punting them into practice.

This book will help the Student to meet all their basic requirements.

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Table Of Contents

- Introduction to Data Structures
- Introduction to Algorithms
- Arrays
- Linked Lists
- Stacks
- Queues
- Trees
- Heaps
- Graphs
- Hashing and Hash Tables
- Sorting Algorithms

Author

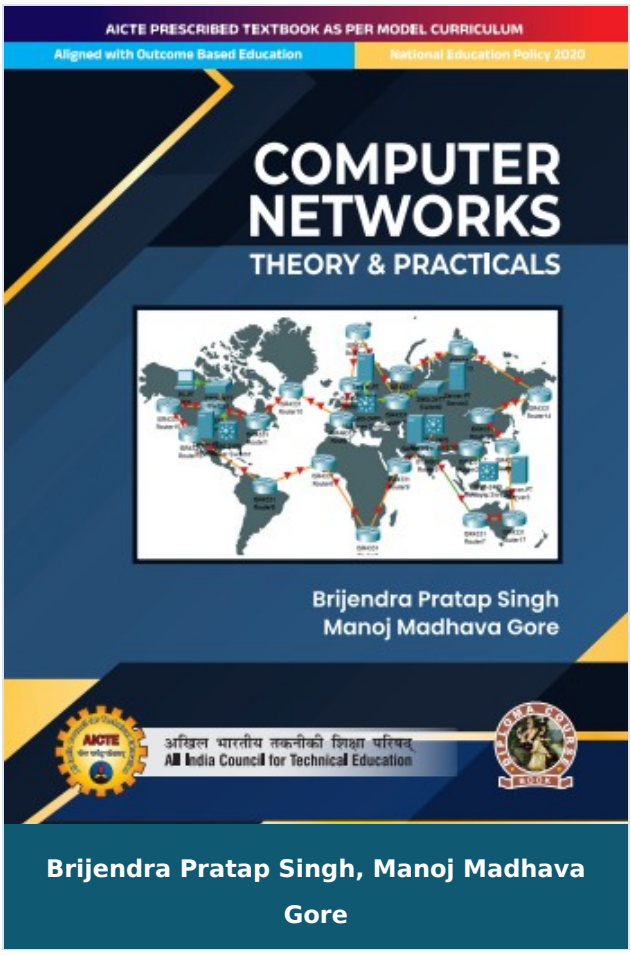
R.S. Salaria

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 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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Product Description

Computer Networks: Theory & Practicals

The use of network applications and the internet is increasing every day. It is desirable that each user should have elementary knowledge about the working of network applications and the internet. Moreover, the professionals are supposed to have and understanding of network application development. Network architecture, network protocols, and network management. This book elaborates on the network architecture, transmission media, network topologies, ethernet, WI-FI, routing algorithms, routing protocols, IPv4 addresses, transmission control protocol, application layer protocols, simple network management protocol, and related topics. Moreover, the book takes alongside the laboratory tasks, such as the configuration of devices, creation of wired and wireless local area network and others.

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Table Of Contents

- Foreword
- Acknowledgement
- Preface
- Outcome Based Education
- Course Outcomes
- Guidelines for Teachers
- Guidelines for Students
- Abbreviations and Symbols
- List of Figures
- List of Tables
- Principles of Computer Networks
- Transmission Media, Data Link Layer, and Local Area Networks
- Network Layer, Routing Algorithms, and Protocols
- Transport and Application Layer
- Networking Devices and Network Management System
- References For Further Learning
- CO and PO Attainment Table
- Index

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