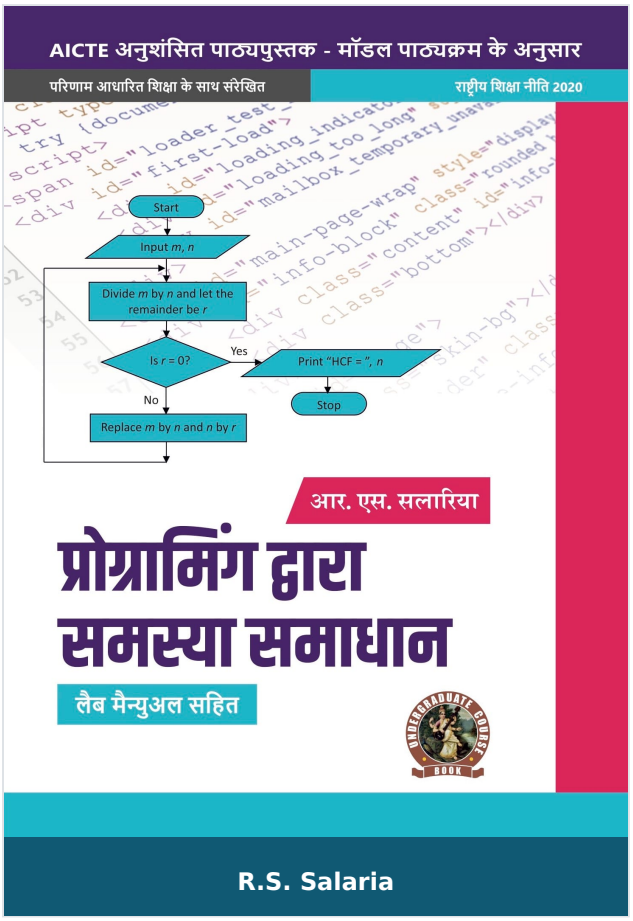

Programming for Problem Solving (with Lab Manual)

Author :	R.S. Salaria
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E-ISBN 13 :	978-93-55380-99-9
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Publisher :	Khanna Publishing House
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Product Description

This textbook is designed as per the model curriculum of AICTE for the first year students of all branches of undergraduate program in Engineering & Technology (BE/B. Tech). The subject of programming for problem Solving aims at developing problem solving skills among the students and the skills to create programs in C language for their implementation. This book emphasizes to empower the students to grasp the skills required for problem solving and to develop deep understanding of the constructs of C language. These aspects of the subject are well illustrated through enormous solved programming problems.

Salient Features:

1. Simple and lucid language that enables students to grasp the subject.

2. Demonstrates the elegant programming style.

3. 165+ ready to run programs for reference and to illustrate the program development process.

4. 135+ Short answer type questions to provide an opportunity for self-assessment of the fundamental concepts learned by answering them precisely.

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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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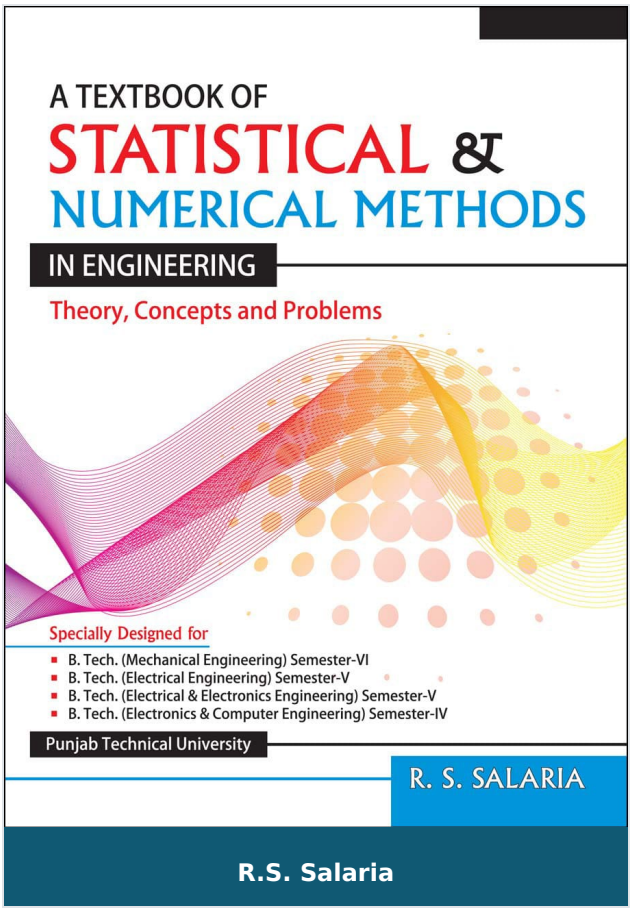

A Textbook of Statistical & Numerical Methods in Engineering

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Product Description

The subject of A Textbook of Statistical & Numerical Methods is one of the courses in the curriculum of almost all universities and other institutes offering undergraduate and postgraduate courses in Engineering and Physical Science.

The Book is designed to serve as a textbook for the students of Bachelor of Technology in Mechanical Engineering, Electrical Engineering, Electrical & Electronics Engineering and Electronics & Computer Engineering of Punjab Technical University. Even the Practicing Engineers and researchers will also find it useful as reference book.

The level of presentation is kept simple and illustrative so that even an average reader can grasp the subject matter with quite ease. Practically this book will provide you every thing you need on the subject of Statistical & Numerical Methods.

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- Numerical Differentiation
- Numerical Integration
- Solution of Linear Systems of Equations
- Numerical Solution of Ordinary & Partial Differential Equations
- Appendix A: Listing of Selected Programs in C++
- Appendix B: Statistical Tables

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

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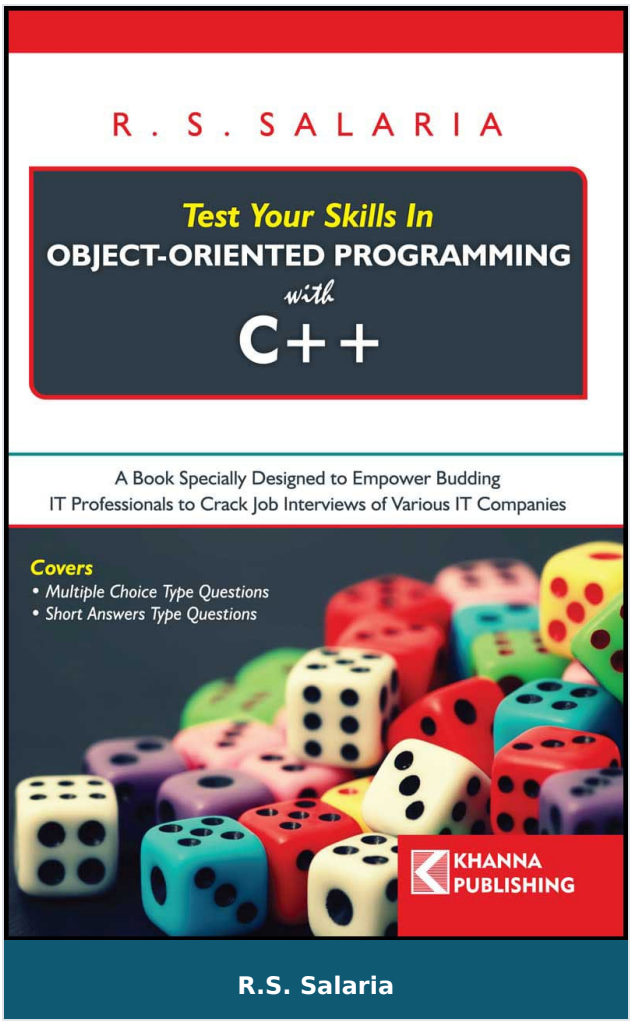

Test your skills in Object Oriented Programming with C++

Author :	R.S. Salaria
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E-ISBN 13 :	978-93-82609-87-2
Edition :	1
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Product Description

Object-Oriented Programming With C++ is one of the important subjects in disciplines of Computer Science and information Technology. Understanding of various Object-Oriented Programming Concepts and their implementation using C++ language is very crucial for development of quality software.

Keeping this in focus, almost all IT companies want that students must possess implementation using C++ Language.

This book gives an ample opportunity to test/evaluate your skills in Object-Oriented Programming Concepts and their implementation using C++ Language.

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- Inheritance
- Virtual Function and Polymorphism
- Exception Handling
- Templates and Generic Programming
- Input/Output in C++
- Appendix
- Glossary

Author

R.S. Salaria

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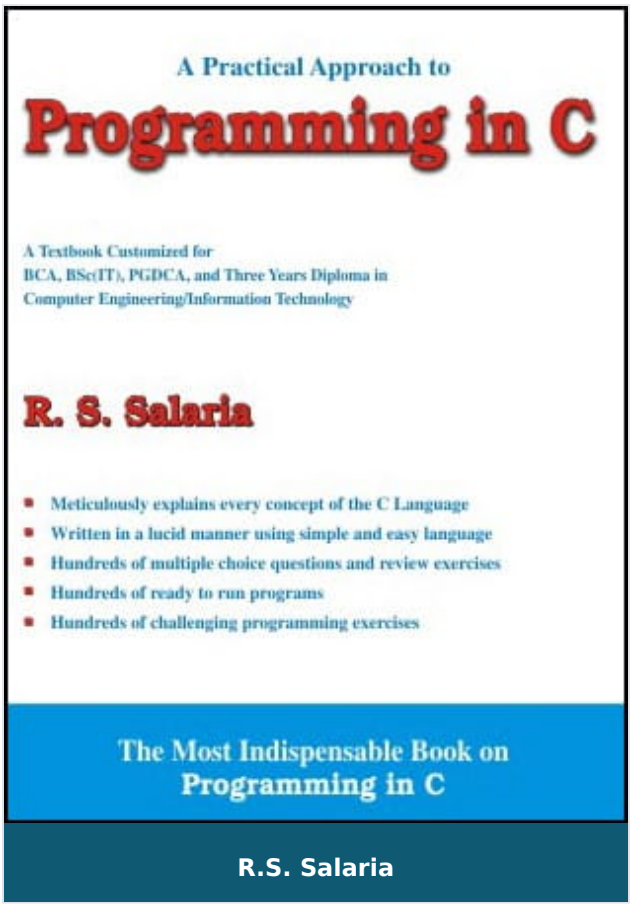

A Practical Approach to Programming in C

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Product Description

The subject of programming in C is one of the compulsory courses in the curriculum of BCA, BSc (IT), BSc (Non-Med) with Computer science as one of the elective subject, PGDCA, and Three Year polytechnic diploma in Computer Engineering as well as Information Technology of all universities and state technical boards. The book in your hand is a customized version of my popular book application programming in C to serve as a textbook for the students taking these course. The presentation is kept simple and illustrative so that even an average reader can grasp the subject matter with quite ease. Practically, this book will provide you every thing you need on the subject of programming in C. Provides a comprehensive coverage of the subject. Demonstrate the development of programs in a good programming style. Large number of ready to run programs for reference. Large number of multiple choice questions and review exercises to test your knowledge about the subject learned. Large number of programming exercises to test your programming skills acquired.

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- Overview of C Language
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- Handling Keyboard Input and Screen Output
- Control Statements
- Functions
- Arrays
- Pointers
- Structures and Unions
- String Processing
- Files

Author

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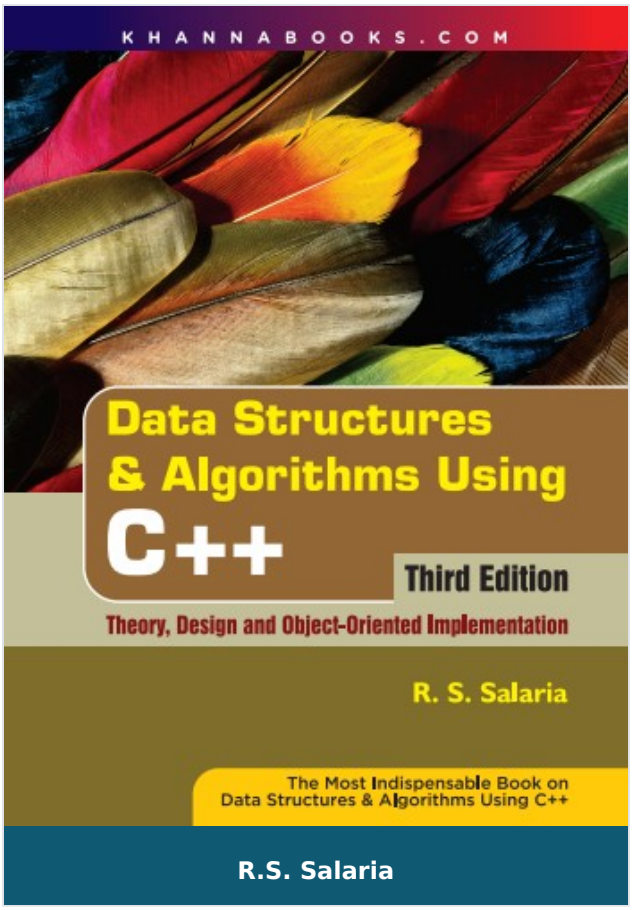

Data Structures & Algorithms Using C++

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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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- Essentials of C++ Language
- Overview of Data Structures
- Program Design & Development
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- Linked Lists
- Stacks
- Queues
- Trees
- Heaps
- Graphs
- Hash Tables & Hashing
- Sorting, Searching and Merging
- Files
- Glossary
- Index

Author

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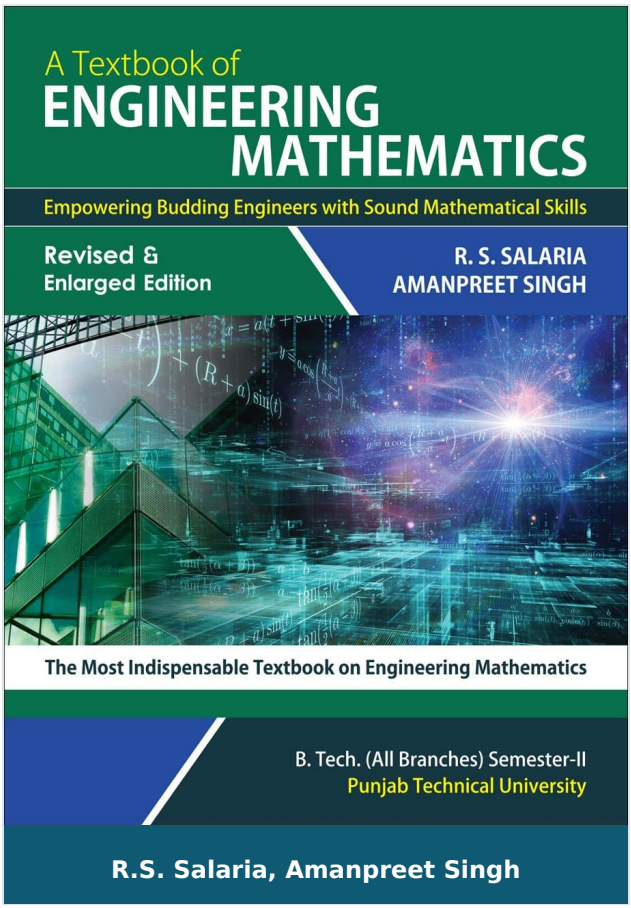

A Textbook of Engineering Mathematics (PTU-II)

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Product Description

The subject of Engineering Mathematics is an integral part of the course curriculum of bachelor of Engineering/Technology (BE/B. Tech) Program of All Indian Universities, and is taught in first and/or second semester(s). The present state of teaching and learning of Mathematics is not that encouraging. A lot has to be done on both the fronts.

The book in your hand is a first step of our commitment to uplift the standard of teaching and learning of Mathematics. We assure you that in our continuous journey in this endeavor and with your whole hearted support, we hope to make significant contribution in the teaching and learning of Mathematics. We hope to see that day when we hear from our students that Mathematics is wonderful subject and you all are relishing it.

This book is designed to serve as a textbook for the students of B. Tech. (All Branches) Semester-II of Punjab Technical University, Jalandhar.

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- Liner Ordinary Differential Equations of Second and Higher Order
- Applications of Differential Equations
- Linear Algebra
- Infinite Series
- Complex Numbers

Author

R.S. Salaria

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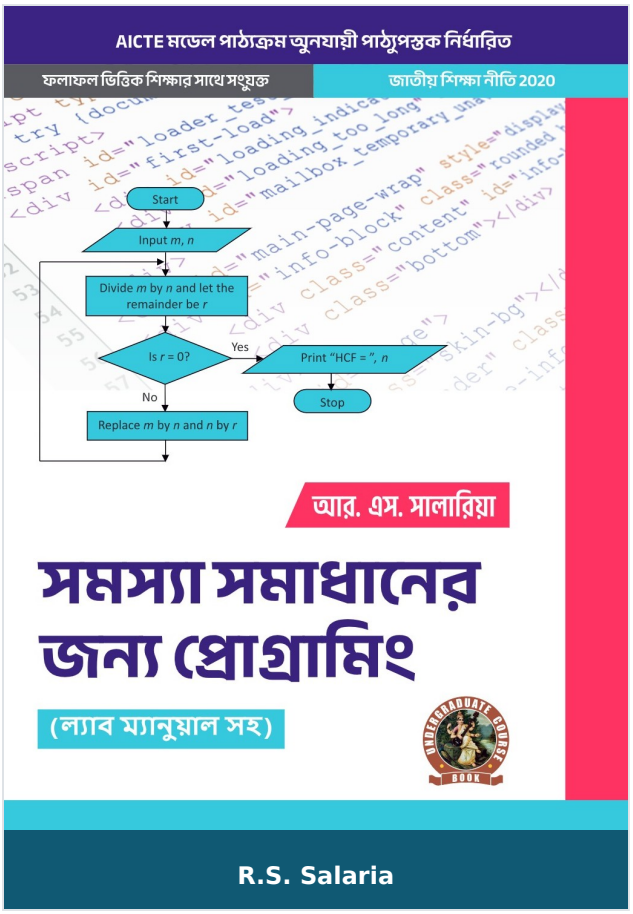

Programming for Problem Solving (with Lab Manual)

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Product Description

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5. 165+ multiple choice questions to provide an opportunity to synthesize the fundamental concepts.
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- Conditional Branching and Loops.
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Author

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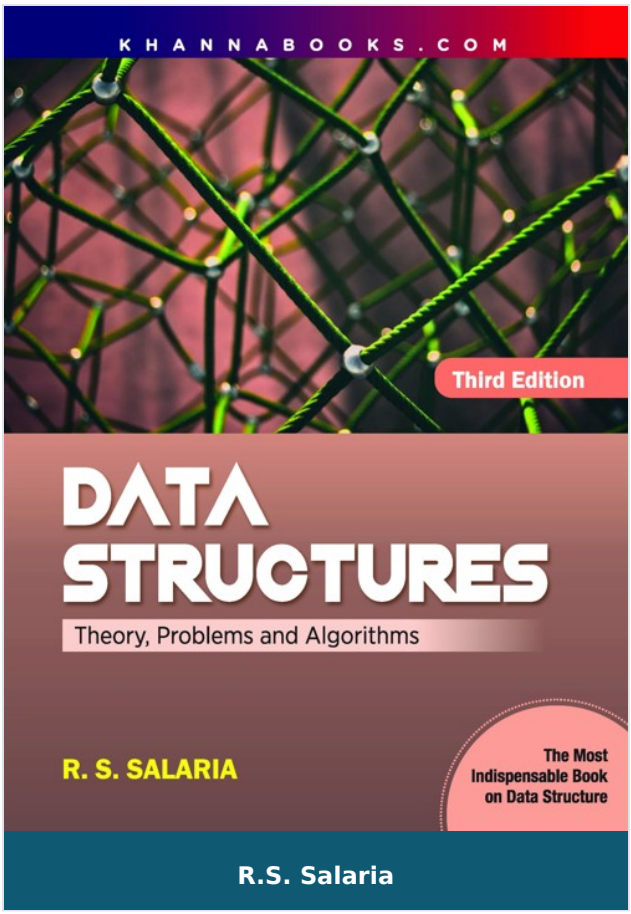

Data Structures

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

Author

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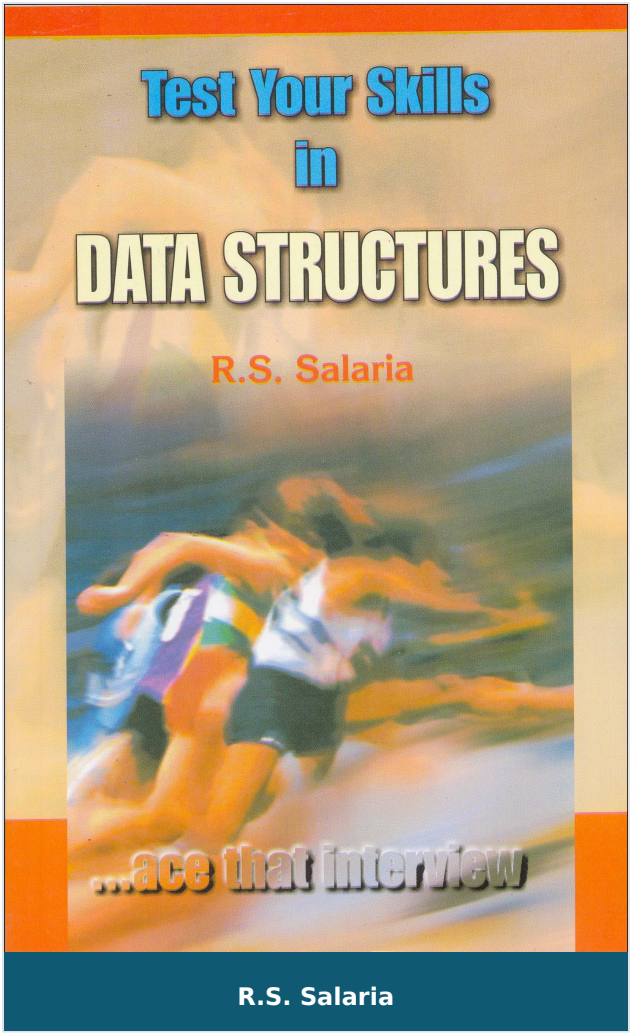

Test Your Skills in Data Structures

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Edition :	1
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Publisher :	Khanna Publishing House
M.R.P :	Rs 150.00
Categories :	OBJECTIVE TYPE BOOKS, Book Store
Condition Type :	New
Country Origin :	India

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

Author

R.S. Salaria

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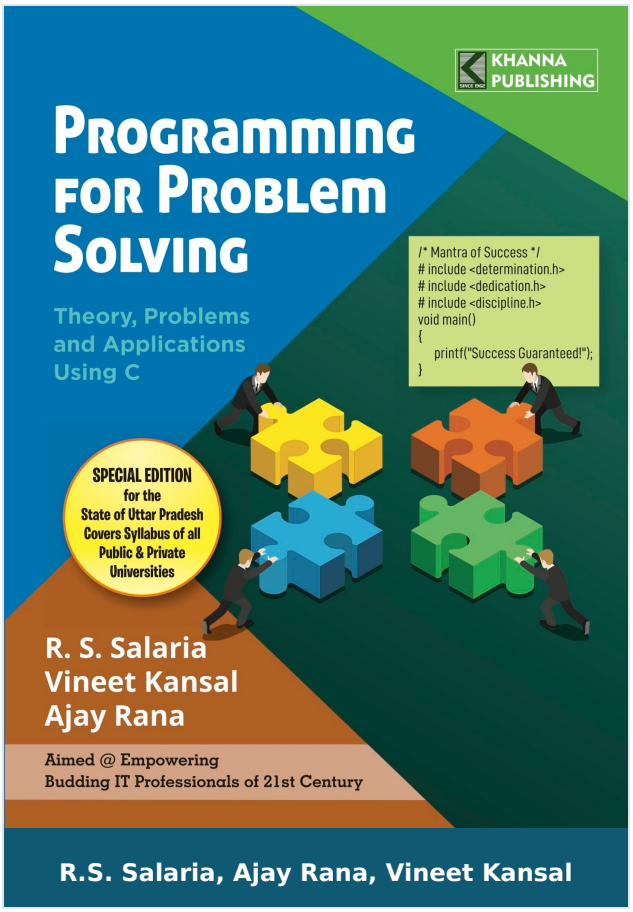

Programming for Problem Solving

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Product Description

This book is specially conceived with an aim to serve not only as a textbook to cover the syllabus of public & public universities, rather a intelligent book (i-book) that empowers readers to acquire 21st century problem solving skills and sharp coding skills.

Therefore, keeping in mind the requirements of 21st Century, a special emphasis is laid on the following aspects:

Designed keeping in mind the objectives of OUTCOME BASED EDUCTION.

Simple and lucid language that enables even an average reader to grasp the fundamental concepts of the subject.

Illustrative examples (165+ in number) to demonstrate the application of the concepts.

Multiple choice questions (225+ in number) to provide an opportunity for self-assessment of the fundamental concepts learned.

Short-answer type questions (192+ in number) to provide an opportunity to synthesize the fundamental concepts learned to answer precisely.

Programming exercises (112+ in number) to provide an opportunity to harness their coding skills.

Coding problems (42 in number) from the IT/IT-enabled industry perspective to conquer the screening phase of the placement process.

Frequently asked questions (43 in number) to conquer the technical round of the CAMPUS PLACEMENT PROCESS with flying colors.

The whole content is designed and organized as per the BLOOM’S TAXONOMY.

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