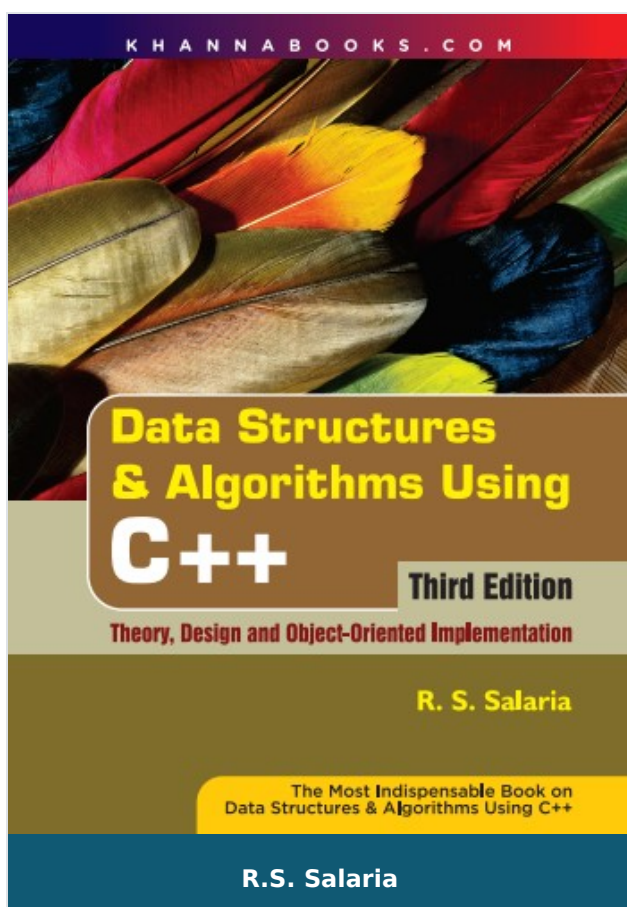




Data Structures & Algorithms Using C++

Author :	R.S. Salaria
ISBN 13 :	978-93-81068-59-5
ISBN 10 :	9381068593
E-ISBN 13 :	978-93-81068-59-5
Edition :	3
Pages :	616
Type of book :	Physical
Year :	2026
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 575.00
Categories :	Computer Science Engineering, Book Store
Condition Type :	New
Country Origin :	India

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.

Table Of Contents

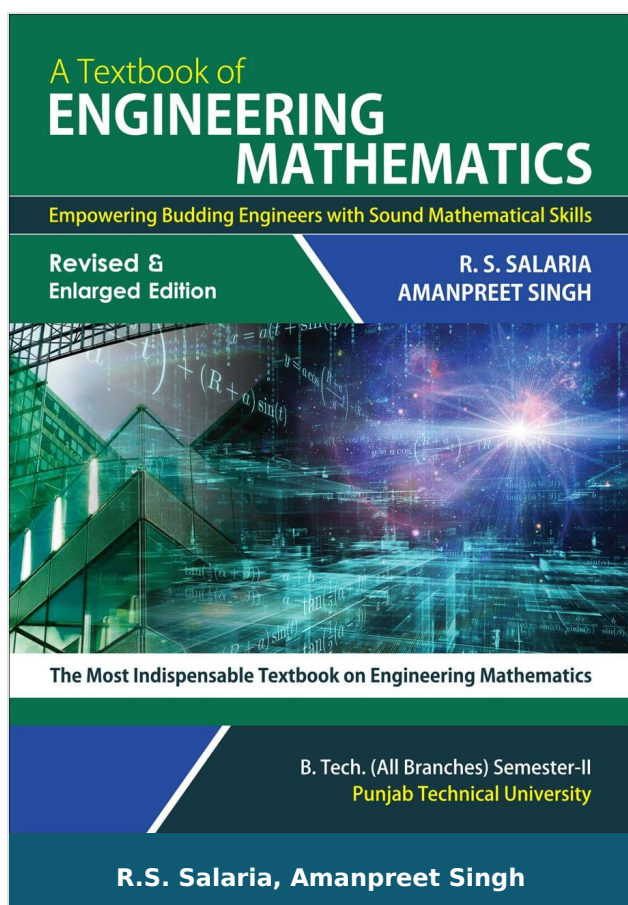
- Review of Object-Oriented Programming Concepts
- Essentials of C++ Language
- Overview of Data Structures
- Program Design & Development
- Arrays & Matrices
- Linked Lists
- Stacks
- Queues
- Trees
- Heaps
- Graphs
- Hash Tables & Hashing
- Sorting, Searching and Merging
- Files
- Glossary
- Index

Author

R.S. Salaria

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Technical Education, New Delhi: Punjab Academy of Sciences, Patiala. Presently, he is talking initiatives to Sensitize the citizens of this great country about their fundamental responsibilities towards society and seeking their contributions to make the society a wonderful place for happy and peaceful living. </p>



A Textbook of Engineering Mathematics (PTU-II)

Author : R.S. Salaria, Amanpreet Singh

ISBN 13 : 978-93-82609-91-9

ISBN 10 : 9382609911

E-ISBN 13 : 978-93-82609-91-9

Edition : 1

Pages : 556

Type of book : Physical

Year : 2016

Language : English

Publisher : Khanna Publishing House

M.R.P : Rs 350.00

Categories : [APPLIED SCIENCES & HUMANITIES, Book Store,](#)
[APPLIED SCIENCES & HUMANITIES](#)

Condition Type : New

Country Origin : India

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.

While Writing, due care is taken to present the subject matter in a simple and illustrative manner so that a reader can grasp it with quite ease and can built basis and conceptual knowledge in the subject.

Table Of Contents

- Useful Formulae, Theorems and Results
- Ordinary Differential Equations of First Order
- Liner Ordinary Differential Equations of Second and Higher Order
- Applications of Differential Equations
- Linear Algebra
- Infinite Series
- Complex Numbers

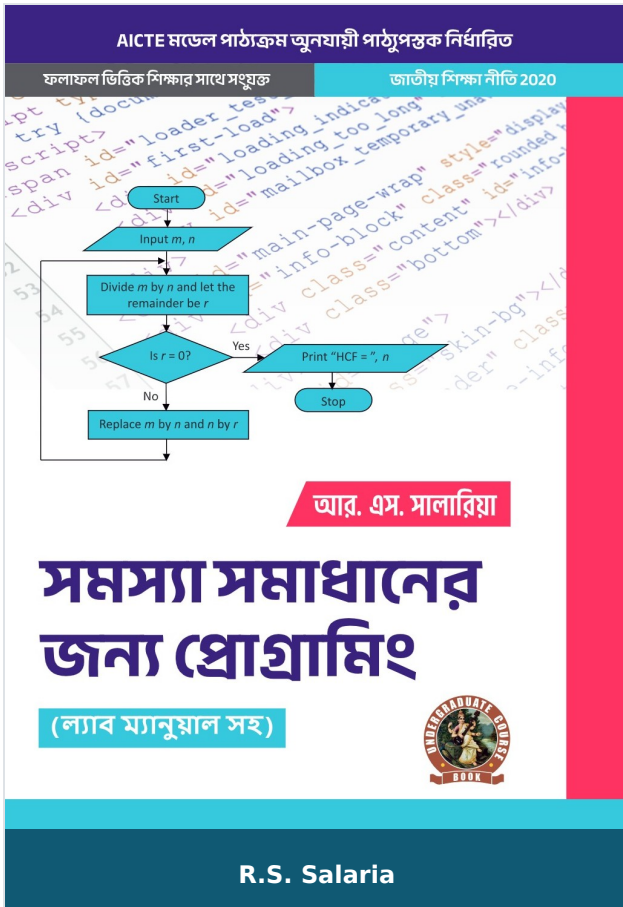
Author

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Amanpreet Singh

Amanpreet Singh Amanpreet Singh SGTB Khalsa College, Anandpur Sahib, Formerly with Rayat-Bahra Institute of Engineering& Nano Technology, Hoshiarpur.



Programming for Problem Solving (with Lab Manual)

Author :	R.S. Salaria
ISBN 13 :	978-93-55381-03-3
ISBN 10 :	9355381034
E-ISBN 13 :	978-93-55381-03-3
Edition :	1
Pages :	392
Type of book :	Physical
Year :	2025
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 295.00
Categories :	AICTE Prescribed Textbooks, Bengali Books, Book Store, Ebooks
Condition Type :	New
Country Origin :	India

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.
5. 165+ multiple choice questions to provide an opportunity to synthesize the fundamental concepts.
6. 90+ Programming problems to provide an opportunity to harness programming skills.

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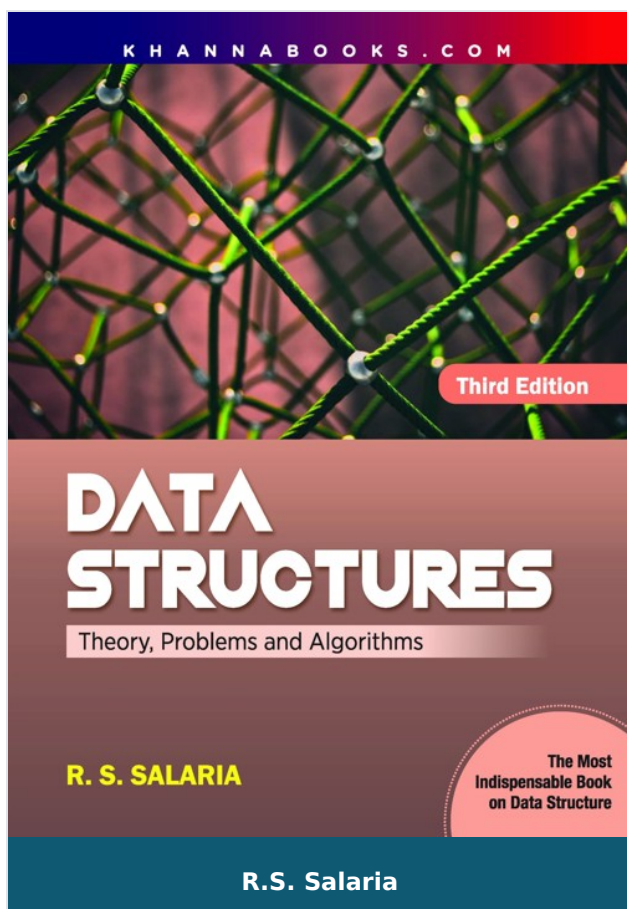
- Foreword
- Acknowledgement
- Preface
- Outcome Based Education
- Programme Outcome (POs)
- Course Outcomes
- Abbreviations and Symbols
- List of Figures
- List of Tables
- Guidelines for Teacher
- Guidelines for Students
- Introduction to Programming
- Arithmetic Expressions and Precedence.
- Conditional Branching and Loops.
- Arrays.
- Basic Algorithms.
- Functions.
- Recursion.
- Structures.
- Pointers.
- File Handling.
- References for further learning
- Co and PO attainment Table

- Index

Author

R.S. Salaria

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Data Structures

Author :	R.S. Salaria
ISBN 13 :	978-93-86173-96-6
ISBN 10 :	9386173964
E-ISBN 13 :	978-93-86173-96-6
Edition :	Third
Pages :	504
Type of book :	Physical
Year :	2021
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 450.00
Categories :	Computer Science Engineering, Book Store
Condition Type :	New
Country Origin :	India

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.

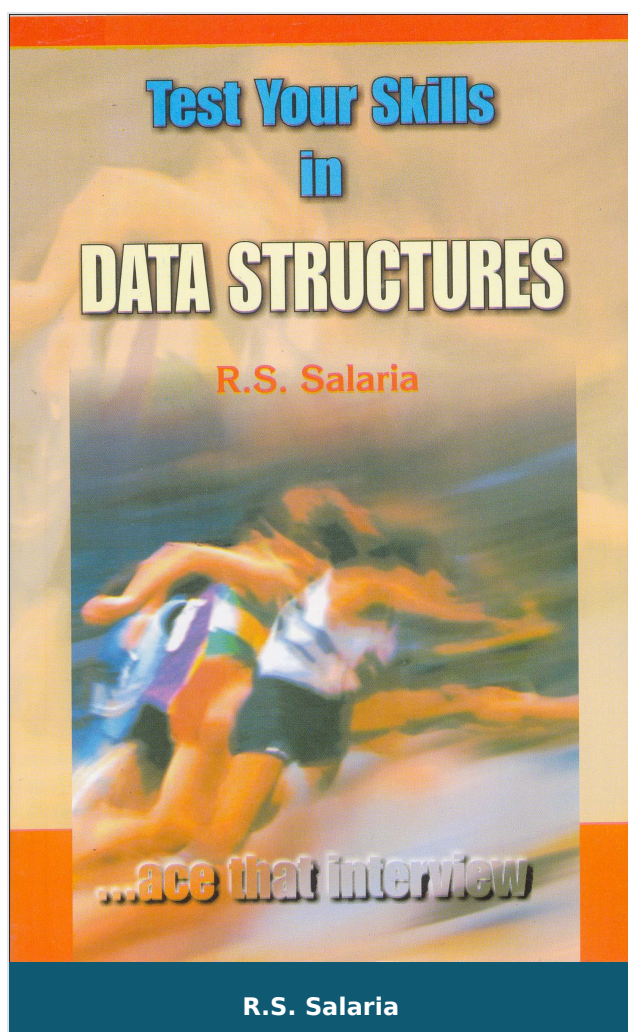
Table Of Contents

- 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

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Test Your Skills in Data Structures

Author :	R.S. Salaria
ISBN 13 :	978-81-87325-47-5
ISBN 10 :	818732547X
E-ISBN 13 :	978-81-87325-47-5
Edition :	1
Pages :	268
Type of book :	Physical
Year :	2016
Language :	English
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 is 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.

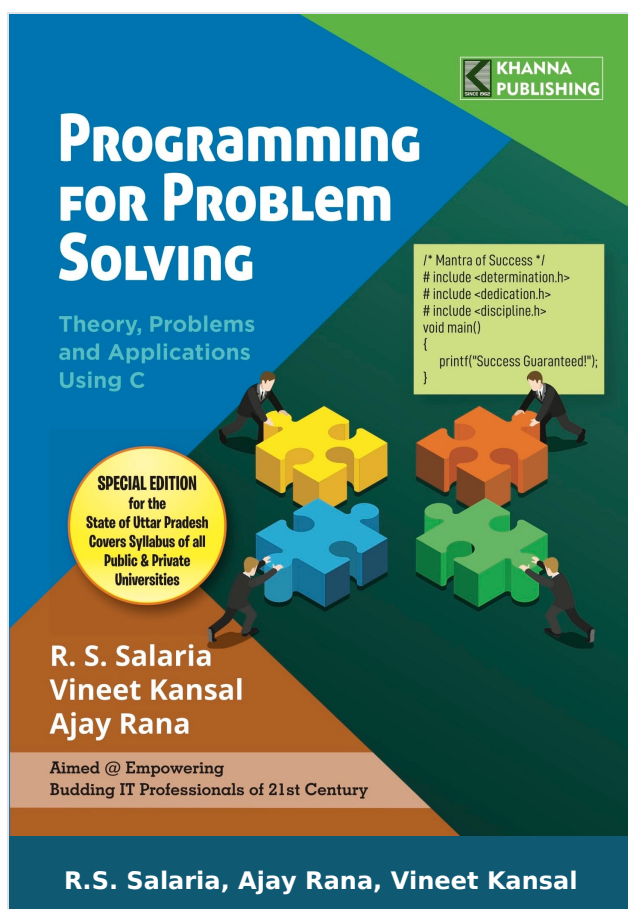
Table Of Contents

- 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

Author : R.S. Salaria, Ajay Rana, Vineet Kansal

ISBN 13 : 978-93-89139-13-6

ISBN 10 : 9389139139

E-ISBN 13 : 978-93-89139-13-6

Edition : 1

Pages : 500

Type of book : Physical

Year : 2021

Language : English

Publisher : Khanna Publishing House

M.R.P : Rs 450.00

Categories : [Computer Science Engineering,](#)
[Book Store](#)

Condition Type : New

Country Origin : India

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 an 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 EDUCATION.

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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- Coding/Programming Problems for Campus Placements
- Introduction to Computers
- Program Solving and Program Planning
- Overview of C Language
- Data Types, Variables and Constants
- Operators and Expressions
- Console Input/Output
- Decision Making and Branching
- Decision Making and Looping
- User-Defined Functions
- Arrays and Strings
- User-Defined Data Types : Structure, Union & Enumeration
- Pointers & Dynamic Memory Management
- File Handling
- Preprocessor Directives
- Introduction to Algorithms
- Appendix A : Answers of MCQs
- Appendix B : FAQs for Oral Examination
- Appendix C : Solution of Selected Programming Exercises

Author

R.S. Salaria

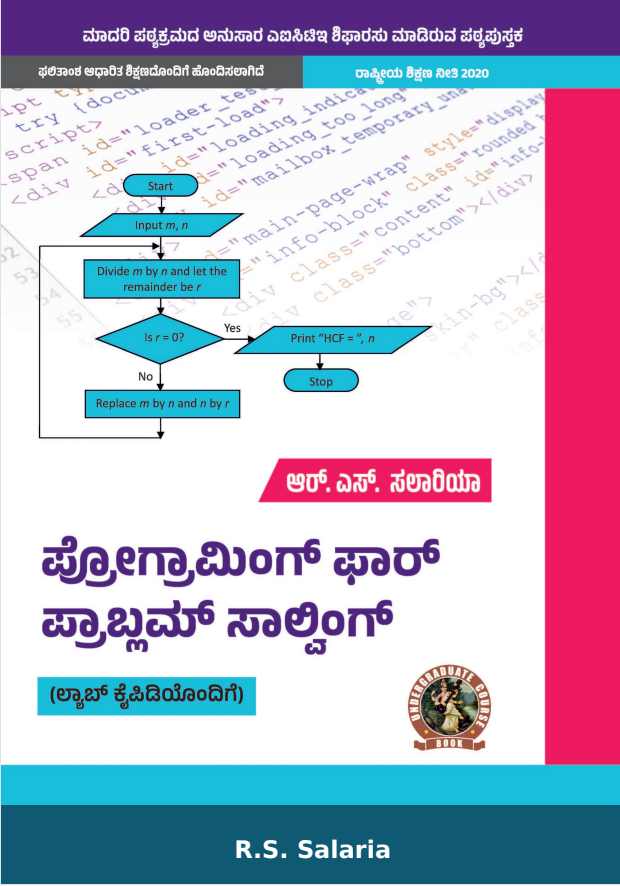
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Ajay Rana

Dr. Ajay Rana Professor, Department of Computer Science & Engineering Dean and Director, Amity University 30+ patents under his name in the field of IoT, Network & Sensors 279+ Research publications Co-authored 6 Books Completed 30 Sponsored Research Projects Senior member, Academic Council & Executive Council, Amity University Strong corporate connect

Vineet Kansal

Prof. Vineet Kansal Professor, Department of Computer Science & Engineering, Institute of Engineering & Technology (IET), Lucknow, Uttar Pradesh Pro Vice Chancellor, Dr. APJ Abdul Kalam Technical University (AKTU), Lucknow, Uttar Pradesh Professor In-Charge (T&P), AKTU, Lucknow Coordinator, Technical Education Quality Improvement Programme (TEQIP-III), AKTU, Lucknow Former Dean (Under Graduate Studies & Entrepreneurship), AKTU Lucknow Alumnus of IIT, Delhi



Programming for Problem Solving

Author :	R.S. Salaria
ISBN 13 :	978-93-91505-54-7
ISBN 10 :	9391505546
E-ISBN 13 :	978-93-91505-54-7
Edition :	1
Pages :	404
Type of book :	Physical
Year :	2023
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 395.00
Categories :	AICTE Prescribed Textbooks, Kannada Books, Book Store, Ebooks
Condition Type :	New
Country Origin :	India

Product Description

This textbook is designed as per the model curriculum of AICTE for the first year students of all branches of undergraduate programme 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.

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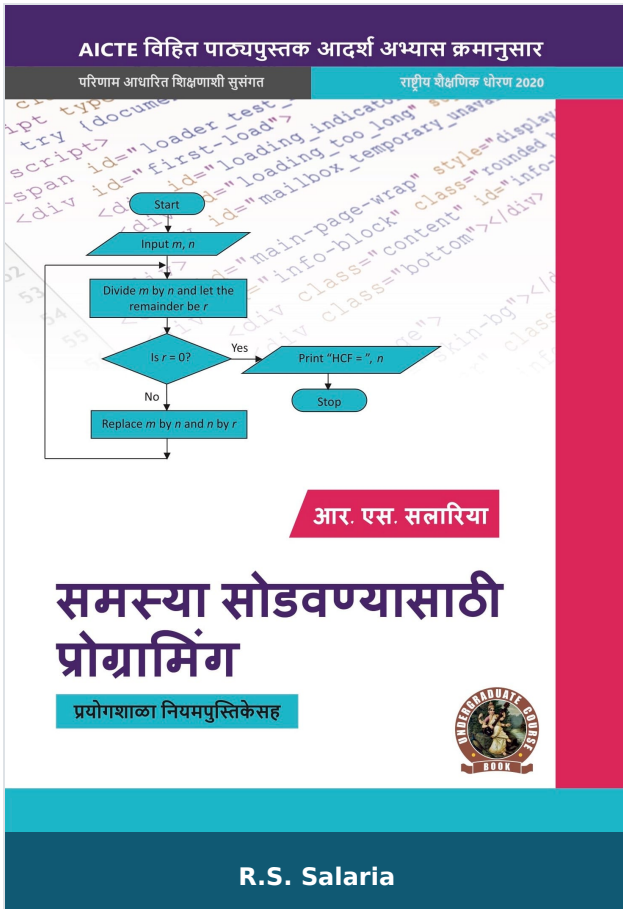
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Programming for Problem Solving (with Lab Manual)

Author : R.S. Salaria

ISBN 13 : 978-93-55380-21-0

ISBN 10 : 9391505216

E-ISBN 13 : 978-93-55380-21-0

Edition : First

Pages : 368

Type of book : Physical

Year : 2021

Language : English

Publisher : Khanna Publishing House

M.R.P : Rs 395.00

Categories : [AICTE Prescribed Textbooks,](#)
[Marathi Books, Book Store,](#)
[Ebooks](#)

Condition Type : New

Country Origin : India

Product Description

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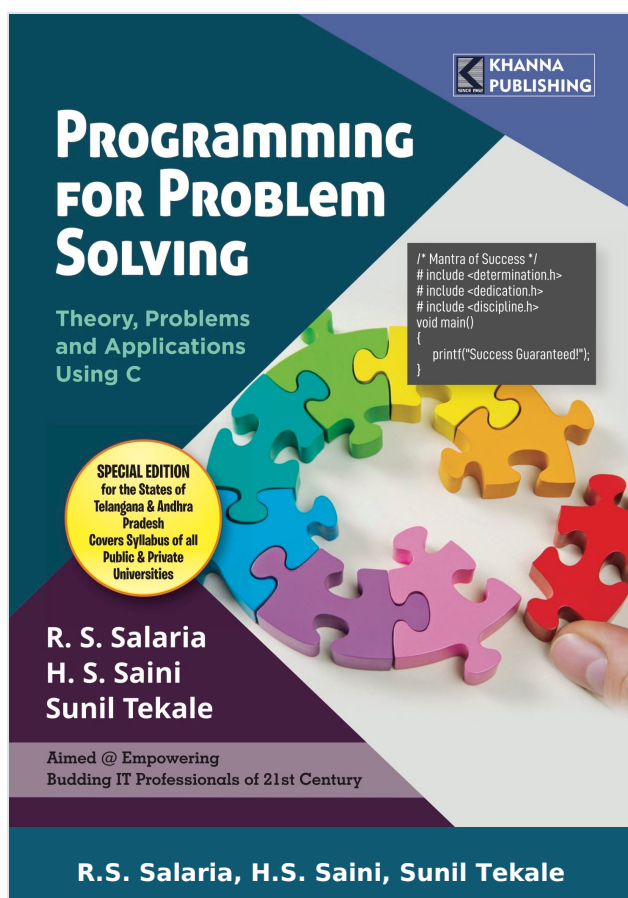
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Programming for Problem Solving

Author :	R.S. Salaria, H.S. Saini, Sunil Tekale
ISBN 13 :	978-93-89139-12-9
ISBN 10 :	9389139120
E-ISBN 13 :	978-93-89139-12-9
Edition :	1
Pages :	500
Type of book :	Physical
Year :	2023
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Publisher :	Khanna Publishing House
M.R.P :	Rs 450.00
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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.

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- File Handling
- Preprocessor Directives
- Introduction to Algorithms
- Appendix A : Answers of MCQs
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- Appendix C: Solution of Selected Programming Exercises

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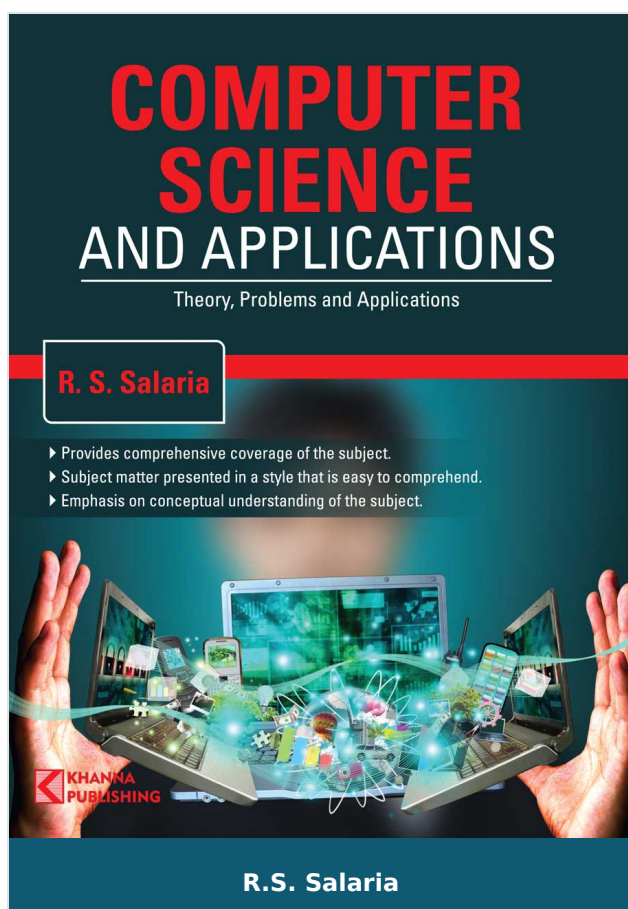
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H.S. Saini

Prof. H.S. Saini Professor, Computer Science & Engineering Managing Director, Guru Nanak Group of Institutes, Hyderabad Taught at University of Westminster and Oxford Brookes University, UK Founder and Chief Editor of Journal of Innovation in CS/ECE/IT Recipient of Eminent Academia Award from Indus Foundation Mentored half a dozen startups in the state of Telangana Key member on the panel of NBA & NAAC expert committees Expert in the field of Fuzzy Systems, AI, Knowledge Based Systems and Web Technologies Established Industry-Academia Collaborations, Foreign University Collaborations and Centers of Excellence in Cutting Edge Technologies

Sunil Tekale

Sunil Tekale



Computer Science and Applications

Author :	R.S. Salaria
ISBN 13 :	978-93-82609-88-9
ISBN 10 :	9382609881
E-ISBN 13 :	978-93-82609-88-9
Edition :	1
Pages :	372
Type of book :	Physical
Year :	2016
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 Subject, Computer Science and Applications is introduced with the objective of empowering the students with working knowledge of Computers and problem solving & programming in C language. In addition, the topics of Computer network, Internet and WWW are also introduced to enable the students to derive maximum benefit of huge resources of information available on the Internet. The topic of data security is also included to make the students aware about the possible threats to their valuable data. It exposes the students of the potential applications of Computer in /various fields/activities related to their subject of study.

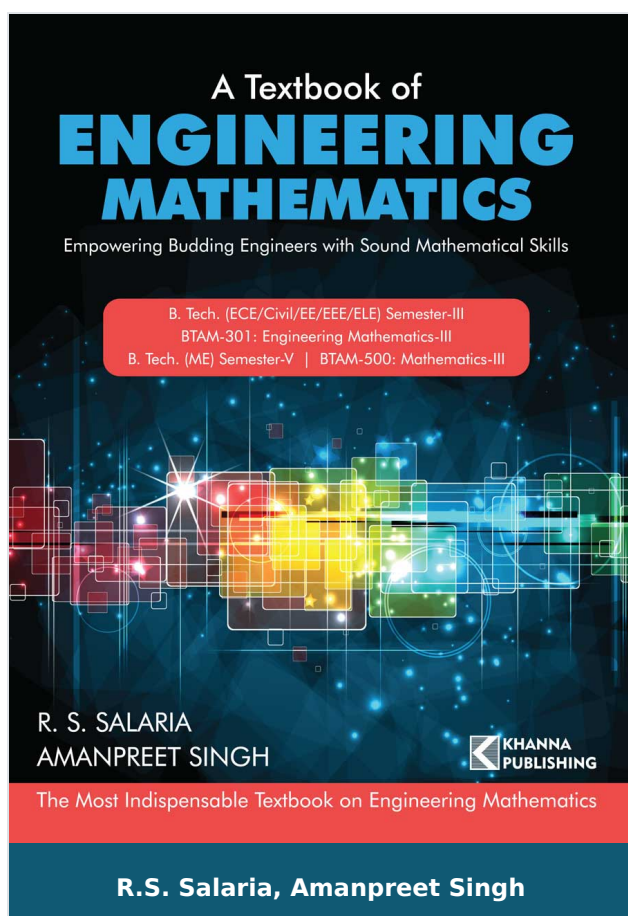
Table Of Contents

- Introduction to Computers
- Computer as a System
- Input/Output Devices
- Memories and Storage Devices
- Number Systems and Binary Arithmetic
- Operating Systems
- Computer Network
- Computer Programming
- Getting Started With C
- Fundamental Data Types in C
- Operators and Expressions in C
- Standard Input/Output in C
- Decision Making Statements in C
- Looping Statements in C
- Arrays in C
- Working With Microsoft Word 2003
- Working With Microsoft Excel 2003
- Working With Microsoft PowerPoint 2003
- Computer Viruses
- Pharmaceutical Applications
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Author

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A Textbook of Engineering Mathematics-III (ECE/Civil/EE/EEE/ELE)

Author : R.S. Salaria, Amanpreet Singh

ISBN 13 : 978-93-82609-89-6

ISBN 10 : 938260989X

E-ISBN 13 : 978-93-82609-89-6

Edition : 1

Pages : 520

Type of book : Physical

Year : 2016

Language : English

Publisher : Khanna Publishing House

M.R.P : Rs 350.00

Categories : [APPLIED SCIENCES & HUMANITIES, Book Store,](#)
[APPLIED SCIENCES & HUMANITIES](#)

Condition Type : New

Country Origin : India

Khanna Publishing House

4C/4344, Ansari Road, Daryaganj, New Delhi-110002

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Product Description

The Subject of Engineering Mathematics is an integral part of the course curriculum of Bachelor of Engineering/Technology (B.E./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 another 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. (ECE/Civil/EE/EEE/ELE) Semester-III and B.Tech.

(ME) Semester-V of Punjab Technical University, Jalandhar

While writing, due care is taken to present the subject matter in a simple and illustrative manner so that a reader can grasp it with quite ease and can build basic and conceptual knowledge in the subject.

Table Of Contents

- Useful Formulae, Theorems and Results
- Fourier Series
- Laplace Transformations
- Special Functions
- Partial Differential Equations
- Applications of Partial Differential Equations
- Functions of Complex Variables

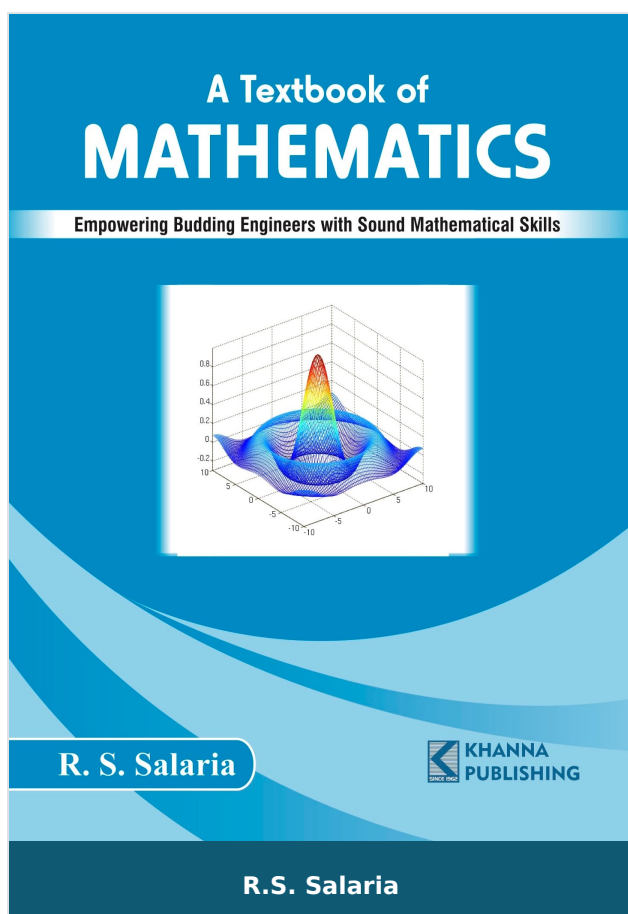
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Prof. R.S. Salaria is a superior teacher, a prolific author and a great motivator. He is an alumnus of IIT, Delhi. He is a Certified Software Quality professional by Ministry of Information Technology, Govt. of India: Sun Certified Programmer as well as Sun Certified Trainer by SUN Microsystems. He is a life member of computer society of India, Mumbai: Institution of Electronics and Telecommunication Engineers, New Delhi: Indian Society for Technical Education, New Delhi: Punjab Academy of Sciences, Patiala. Presently, he is talking initiatives to Sensitize the citizens of this great country about their fundamental responsibilities towards society and seeking their contributions to make the society a wonderful place for happy and peaceful living. </p>

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A Textbook of Mathematics

Author :	R.S. Salaria
ISBN 13 :	978-93-89139-02-0
ISBN 10 :	9389139023
E-ISBN 13 :	978-93-89139-02-0
Edition :	First
Pages :	420
Type of book :	Physical
Year :	2019
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 350.00
Categories :	APPLIED SCIENCES & HUMANITIES, Book Store, APPLIED SCIENCES & HUMANITIES
Condition Type :	New
Country Origin :	India

Product Description

This book is designed to serve as a textbook for the students taking this subject. It is a book with a difference from other textbooks as it lays more emphasis on the conceptual concepts that are supported by illustrative examples, plenty of challenging theory and programming exercises, to test your knowledge acquired on the subject.

While writing the book, special emphasis is given to keep the language very simple and lucid 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 things you need on the subject.

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- Matrices
- Infinite Series
- Partial Derivatives
- Multiple Integrals
- Vector Calculus

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