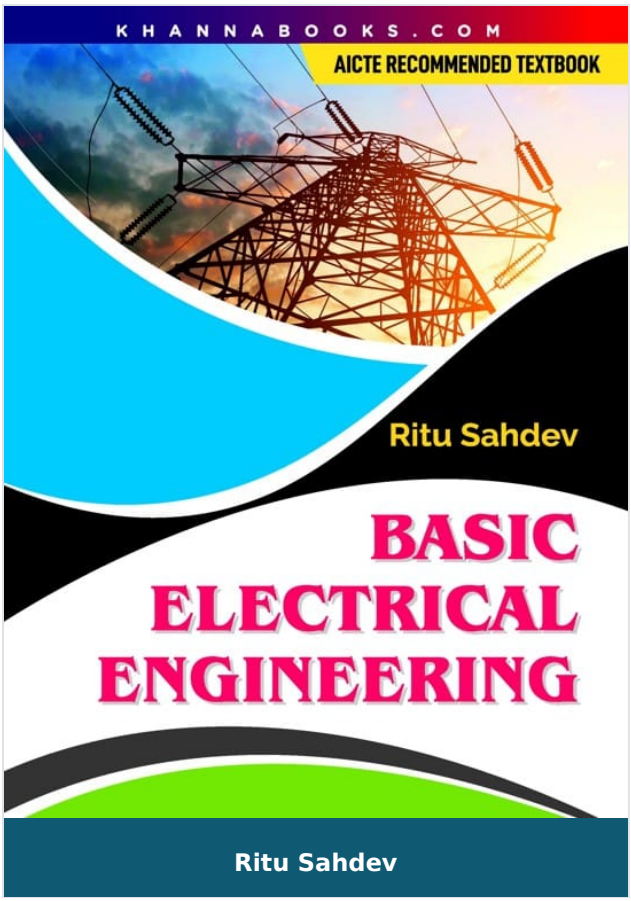


Basic Electrical Engineering

Author :	Ritu Sahdev
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E-ISBN 13 :	978-93-86173-49-2
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Product Description

Although, a number of books, written by various authors on the subject are available in the market. However, the author feels that this book will facilitate the students not only to prepare for the regular University examinations. The book is also quite suitable for the professionals since many live examples have been incorporated.

The book has the following exclusive features:

(i) The Learning objectives of each chapter have been incorporated in the beginning to develop curiosity among the students. (ii) Practice exercise have been added in all the chapters after suitable intervals to impart necessary practice. (iii) At the end of each chapter, its summary highlights are given. This will enable the students to revise the subject matter quickly. (iv) A number of short answer and test questions have been given at the end of each chapter. While answering these questions, the readers will have to think deep into the subject matter. This will improve their analytical approach. Consequently, the students/readers will be in position to respond in a better way while appearing before the selection board or to deal with practical problems. (v) A sufficient number of objective type questions (MCQ) have been given at the end of each chapter. These questions will help the students to perform better in the competitive examinations. (vi) The subject matter is treated in a simple and lucid manner so that an average student can understand the subject easily. Although, typical mathematical expressions are avoided but simple mathematical relations are used for better explanation and understanding.

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- Electrical Machines
- Power Converters
- Electrical Installations
- Practice exercise
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Author

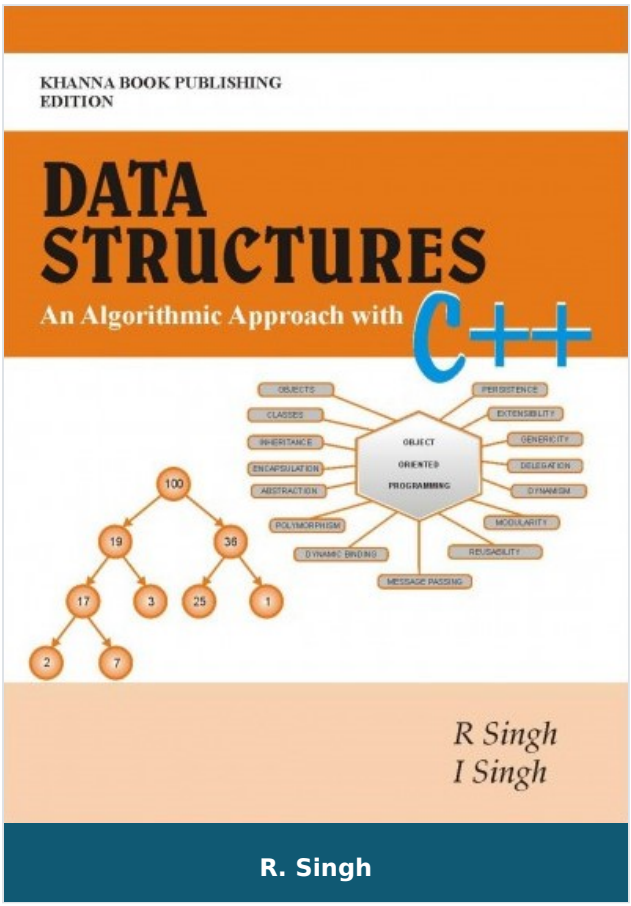
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Data Structures - An Algorithmic Approach with C++

Author :	R. Singh
ISBN 13 :	978-93-80016-85-6
ISBN 10 :	93-80016-85-9
E-ISBN 13 :	978-93-80016-85-6
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Language :	English
Publisher :	Khanna Publishing House
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Country Origin :	India

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4C/4344, Ansari Road, Daryaganj, New Delhi-110002
Email: contact@khannabooks.com | Tel: 011-2324 44 47 - 48 | Mobile: +91-99109 09320

Product Description

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

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- Linked Lists
- Stacks
- Queues
- Trees
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- Heaps
- Graphs
- Sorting and Searching Techniques
- Hashing
- File and Storage Management

Author

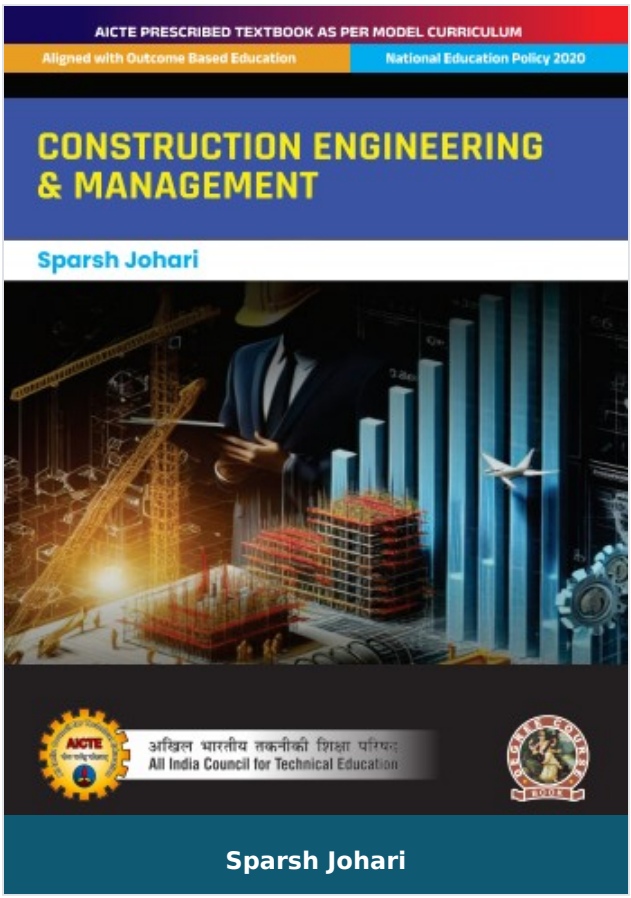
R. Singh

R. Singh "R Singh, MCA is equipped with an extraordinary calibre and appreciable academic potency. He has teaching experience of nearly twenty years. He has authored ten books on various complex topics of computer science. He has already submitted his Ph.D. thesis in the field of system simulation. His other areas of interest include Software Engineering, Data Structures and Information Systems. "

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Construction Engineering & Management

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Product Description

Construction Engineering & Management

“Construction Engineering & Management” is a field that encompasses the planning, design, construction, and management of infrastructure projects. This book typically covers various topics relevant to the construction work. It includes introduction to construction materials, methods, and techniques commonly used on construction sites. In addition, concepts such as scheduling, cost estimation, resource allocation, risk management, safe working environment, and quality control are also included.

Salient Features:

- Content of the book aligned with the mapping of Course Outcomes, Programs Outcomes and Unit 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.
- Student and teacher centric subject materials included in book with balanced and chronological manner.
- Figures, tables, and photographs are inserted to improve clarity of the topics.
- Question are given for practice of students after every chapter.
- Solved numerical problems are illustrated in the chapters.

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Engineering Graphics

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Publisher :	Khanna Publishing House
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Condition Type :	New
Country Origin :	India

Product Description

“ Engineering Graphics” is a compulsory paper for the first year Diploma course in Engineering & Technology.Syllabus of this book is strictly aligned as per model curriculum of AICTE, and academic content is amalgamated with the concept of outcome based education.

Book covers six topics- Basic Elements of drawing , Orthographic Projections, Isometric Projections, Free Hand Sketcher of Engineering Elements, Computer Aided Drafting Interface, Computer Aided Drafting. Each topic is written in easy and lucid manner. Every chapter contains a set of exercise at the end of each unit to test the student’s comprehension.

Some salient features of the book:

1. Content of the book is aligned with the mapping of Course Outcomes, Programs Outcomes and Unit Outcomes.

2. In start of each unit learning outcomes are listed to make the student understand what is expected out of him/ her after completing that unit.

3. Book provides lots of recent information, interesting facts, Codes for E-resources, QR Code for use of ICT, projects, group discussion etc.

4. Student and teacher centric subject materials included in book with balanced and chronological manner.

5. Figures, tables and software screen shots are inserted to improve clarity of the topics.

6. Apart from essential information a ‘Know More’ section is also provided in each unit to extend the learning beyond syllabus.

7. Short questions, objective questions and long answer exercises are given for practice of students after every chapter.

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

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- Orthographic Projections
- Isometric Projections
- Free Hand Sketches of Engineering Elements
- Computer Aided Drafting Interface
- Computer Aided Drafting

Author

Sharad K. Pradhan

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Basic Electrical Engineering (with Lab Manual)

Author :	S. K. Sahdev
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Pages :	484
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Publisher :	Khanna Publishing House
M.R.P :	Rs 395.00
Categories :	AICTE Prescribed Textbooks, Tamil Books, Bookstore, Ebooks
Condition Type :	New
Country Origin :	India

Product Description

This textbook “Basic Electrical Engineering” is based on the latest syllabus of the Universities AICTE and Educational Institutes. In this edition, some material of the book has been rewritten to make the presentation easily comprehensible. More illustrative examples mainly from IAS, IES and GATE and other competitive examinations have been added. Various problems with answers have been added to support the text. For quick revision, summary/ highlights are given at the end of each chapter.

Salient Features:

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2. AC Circuits.
3. Transformers.
4. Electrical.
5. Machines.
6. Power Converters.
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- Guidelines for Teacher
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- DC Circuits
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- Transformers
- Electrical Machines
- Power Converters
- Electrical Installations

Author

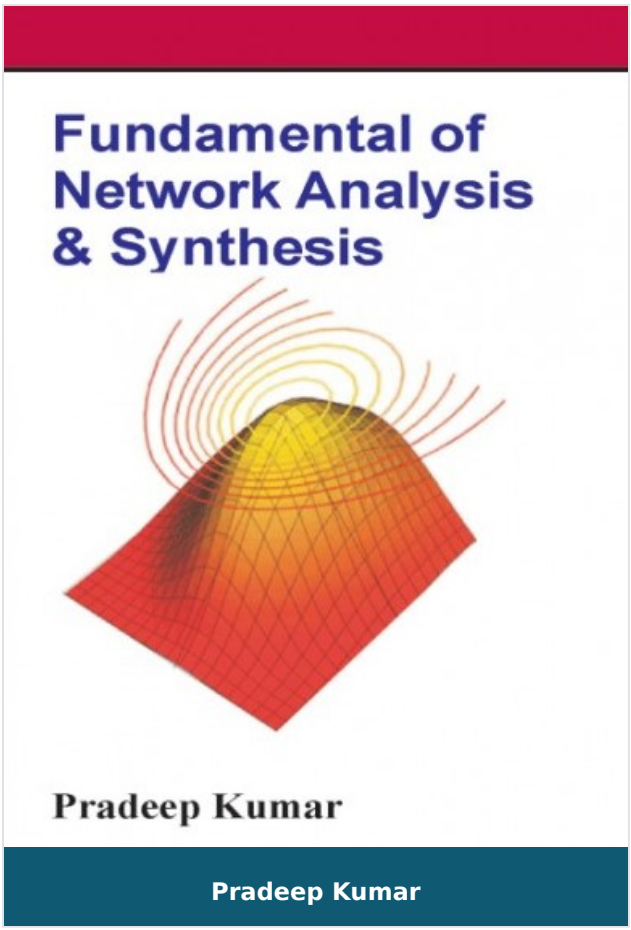
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Pradeep Kumar

Fundamental of Network Analysis & Synthesis

Author :	Pradeep Kumar
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Product Description

This book is written according to new revised syllabus of U.P. Technical to Electronics and communication Engineering, Electronics and Instrumentation Engineering. This book is providing the knowledge in depth for fundamentals of network analysis and synthesis, amplitude and phase response, two port networks, designing of the active and passive filters with suitable number of examples. This book has evolved the lecture material prepared by the author to teach the course network analysis and synthesis. The material provided in this book is in a lucid manner along with very simple language. The students can easily grasp the information. each chapter is written in the systematic manner along with the coverage of the basic theoretical concepts, analytical techniques also with sufficient examples.

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- Network Analysis-1
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- Network Analysis-II
- Amplitude and Phase Response
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- Network Function
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- Driving Point Synthesis
- Elements of Transfer Function Synthesis
- Active Network Synthesis
- Index

Author

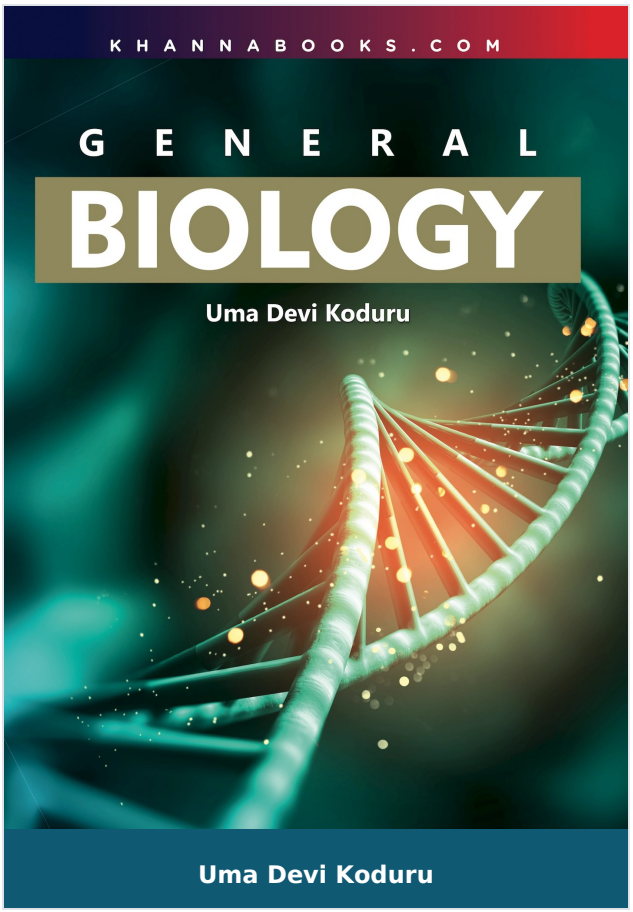
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Pradeep Kumar is presently working as Lecturer in Department of Electrical Enginering at Babu Banarasi Das National Institute of Technology and Management, Lucknow. He did his B.Tech in Electrical Engineering from Uttar Pradesh Technical University, Lucknow. He teaches courses on Electric Machines, Network Analysis and Synthesis, Electromagnetic Field Theory, Basic Electrical Engineering.

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General Biology

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Product Description

· Covers in toto the syllabus prescribed by AICTE and APSHE for the General Biology Course.

· Service as a textbook to guide the instructor.

· Suitable for self -study with explanatory stand-along illustrations.

· Encompasses the entire breadth of topics in Biology.

· An Essential for students pursuing a basis course in Biology.

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- Classification and Model Organisms
- Genetics
- Biomolecules
- Enzymes Information transfer in Living Organisms
- Protein Structure and Function
- Laws of Thermodynamics at Play in Metabolism
- Microbiology
- Biotechnology

Author

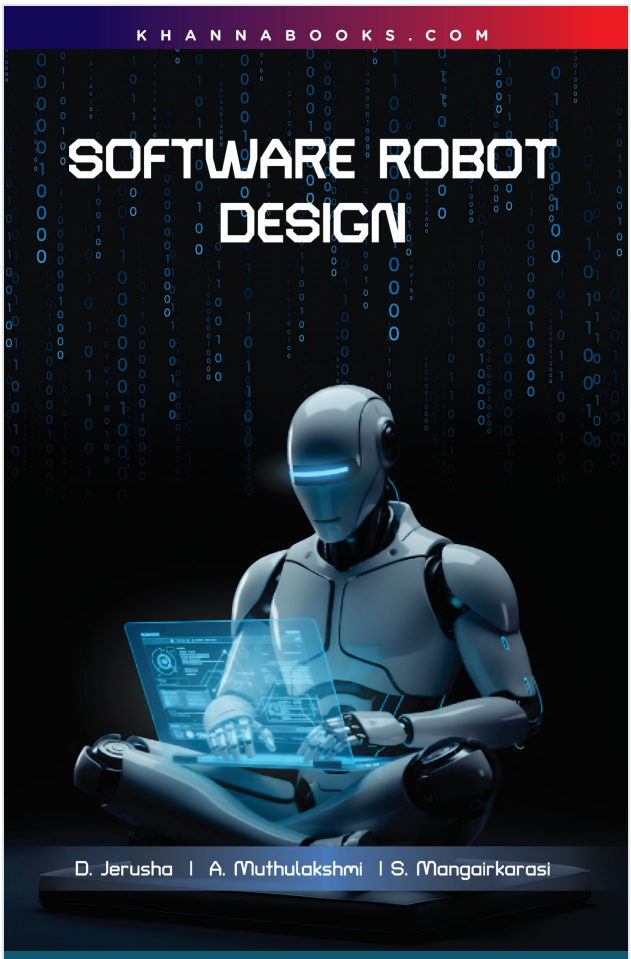
Uma Devi Koduru

Uma Devi Koduru 1- Uma Devi Koduru: (Professor Retd), Andhra University, Visakhapatnam) A Faculty in life sciences for over three decades in a University. reveled in teaching Genetics, Molecular Biology, Cell Biology and Bioinformatics. A research career of over four decades working on plants genetics, Microbes (entomopathogenic fungi and micro algae). Research collaboration with scientists in India and abroad supported by liberal research grants. Research publications in high impact journals with high citation index. Continue to marvel at the intriguing science of Biology with a deep passion to inspire young minds to study the subject what ever be their specialization in graduation.

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S. Mangairkarasi, D. Jerusha, A. Muthulakshmi

Software Robot Design

Author :	S. Mangairkarasi, D. Jerusha, A. Muthulakshmi
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Product Description

In a world where robotics is advancing at an unprecedented pace, driven by advancements in artificial intelligence and machine learning, a strong grasp of the foundational tools is essential. SOFTWARE ROBOT DESIGN serves as a comprehensive and indispensable guide to the Robot Operating System (ROS), the versatile, open-source framework that has revolutionized the way intelligent and autonomous robots are designed, programmed, and deployed.

Authored by esteemed scholars—Dr. D. Jerusha, Dr. A. Muthulakshmi, and Dr. S. Mangairkarasi—this book equips readers with the practical and theoretical knowledge necessary to develop robust robotic systems, expertly bridging the gap between theoretical concepts and hands-on implementation. The book adopts a structured approach, meticulously covering the journey from setting up the essential Ubuntu/Linux environment and ROS basics to tackling complex subjects like sensor integration (LIDAR, cameras, IMUs), programming robotic actuators (motors, joints), and performing simulation in Gazebo.

Crucially, it delves into ROS Navigation, providing detailed instruction on robot localization using AMCL, map handling, and path planning using the move_base stack. Designed to be a valuable resource, this text is essential for students aspiring to enter the field, researchers exploring advanced applications, and industry professionals seeking to implement complex ROS-based solutions. The inclusion of practical examples, code snippets in C++ and Python, and dedicated chapters on interfacing ROS with embedded boards like Arduino and Raspberry Pi, ensures the knowledge is academically rigorous and directly aligned with industry demands.

Salient Features:

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• ROS Core Architecture: Provides in-depth coverage of fundamental ROS concepts, including Nodes, Topics, Services, and Messages, to establish a solid, modular foundation for distributed robot software development.

• Sensor-Actuator Programming: Offers practical guidance on interfacing and programming essential robotic sensors (LIDAR, IMU) and actuators (motors, joints), enabling precise control over a robot's perception and physical interaction.

• Real-World Navigation: Details the complete ROS Navigation Stack, including global and local path planning, AMCL localization, and costmap configuration for autonomous, obstacle-avoiding movement.

• Practical Coding Examples: Utilizes C++ and Python, the primary languages in robotics, to provide extensive code snippets and exercises, bridging theoretical understanding with hands-on development of ROS packages and nodes.

• Embedded System Interfacing: Includes dedicated chapters on integrating ROS with Arduino and Raspberry Pi, allowing developers to extend the framework to low-level hardware control and cost-effective robotic platforms.

• Simulation and Modeling: Teaches readers how to create robot models using the Unified Robot Description Format (URDF) and how to test and visualize their systems using Gazebo and RViz.

• Linux Environment Setup: Begins with a comprehensive review of Ubuntu Linux and essential Shell Commands, ensuring readers are proficient in the core operating environment required for all ROS development.

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D. Jerusha

D. Jerusha

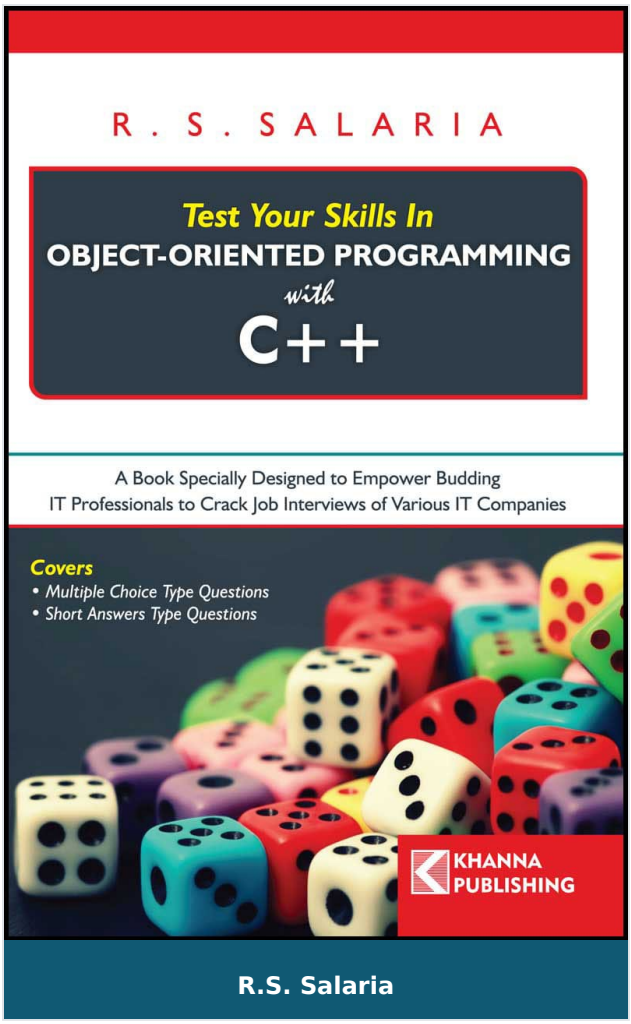
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Test your skills in Object Oriented Programming with C++

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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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- Exception Handling
- Templates and Generic Programming
- Input/Output in C++
- Appendix
- Glossary

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

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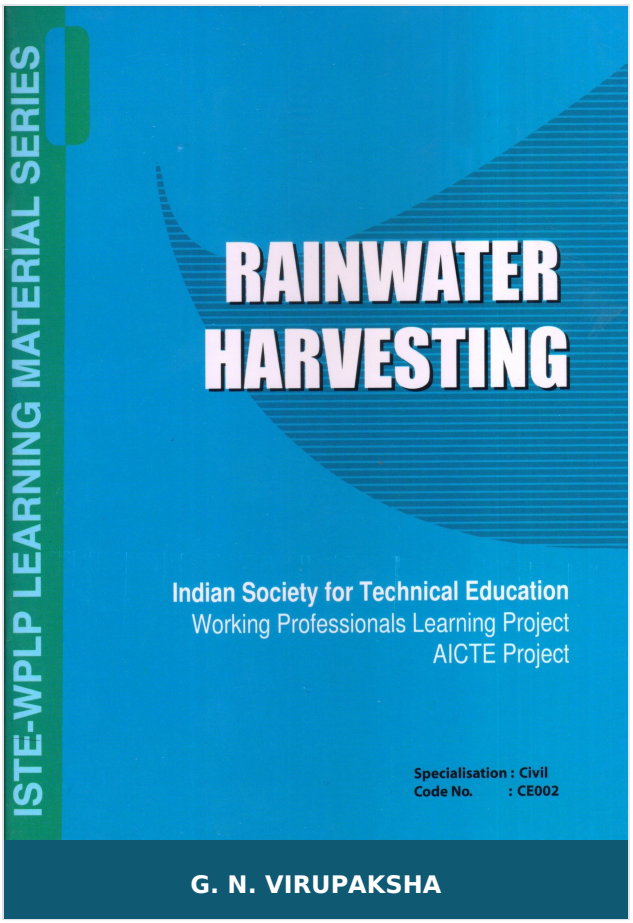
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responsibilities towards society and seeking their contributions to make the society a wonderful place for happy and peaceful living. </p

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Rainwater Harvesting

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Product Description

Water is essential for the existence of life on earth. Increase in human population has resulted in exploitation of surface and underground water sources. Water is precious and it should always be conserved.

Rainwater is a renewable resource. Rainwater harvesting in various forms such as micro-residential ; medium-infiltration into ground in open yards, parks, check dams and so on; macro-reservoirs across water streams and the like will go a long way in conserving water for tomorrow.

The book "Rainwater Harvesting", very clearly mentions the need, resource availability, methods of rain water harvesting and also about inter-basin transfer of water, thereby possibly creating a National Water Grid.

This book is useful for practicing engineers and administrators who are responsible for water resource activities. Rainwater harvesting should be looked upon as a shield to prevent extinction of life from the earth.

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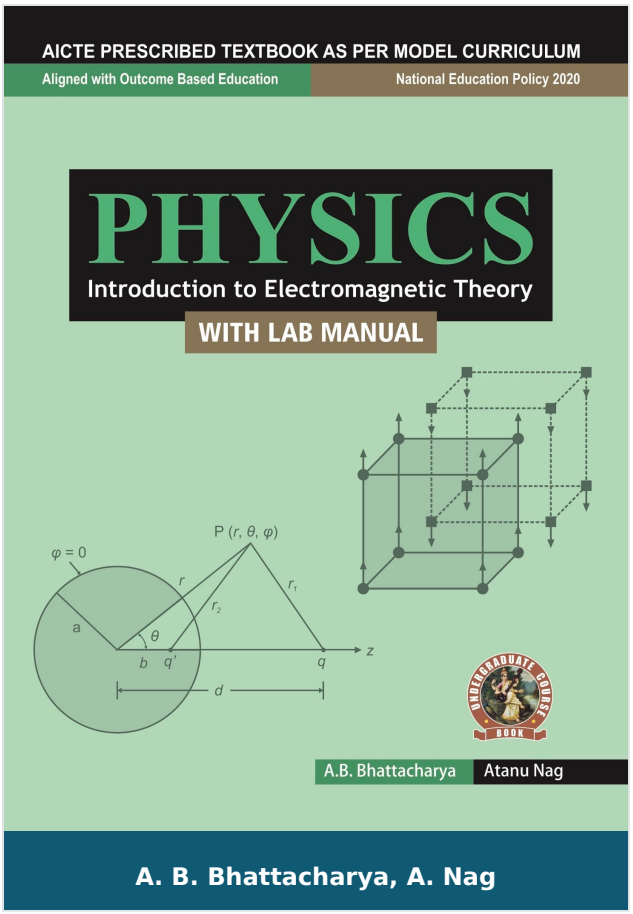
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Physics (Introduction to Electromagnetic Theory) (with Lab Manual)

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Product Description

Engineering Physics: Introduction to Electromagnetic Theory has been written for the first year students of B. Tech Engineering Degree Courses of all Indian Universities following the guideline and syllabus as recommended by AICTE. The book, written in a very simple and lucid way, will be very much helpful to reinforce understanding of different aspects to meet the engineering student’s needs Writing a text-cum manual of this category poses several challenges providing enough content without sacrificing the essentials, highlighting the key features, presenting in a novel format and building informative assessment. This book on engineering physics will prepare students to apply the knowledge of Electromagnetic Theory to tackle 21st century and onward engineering challenges and address the related questions.

Some Salient Features of the Book:

· Expose basic science to the engineering students to the fundamentals of physics and to enable them to get an insight of the subject.

· To develop knowledge on critical questions, solved and supplementary problems covering all types of medium and advanced level problems in a very logical and systematic manner.

· Some essential information for the users under the heading “know More” for clarifying some basic information as well as comprehensive synopsis of formulae for a quick revision of the basic principles.

· Constructive manner of presentation so that an Engineering degree students can prepare to work in different sector or in national laboratories at the very forefront of technology.

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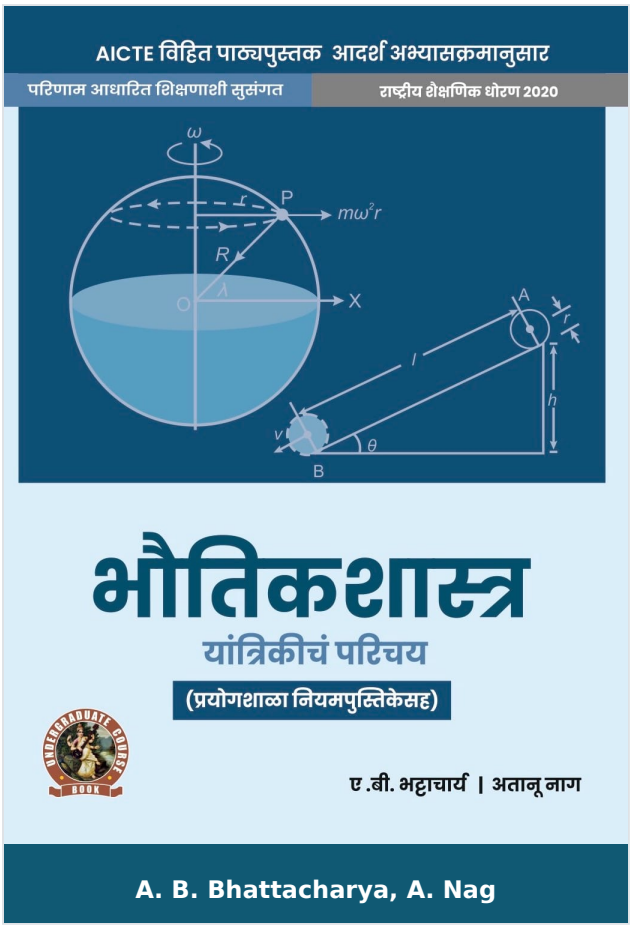
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