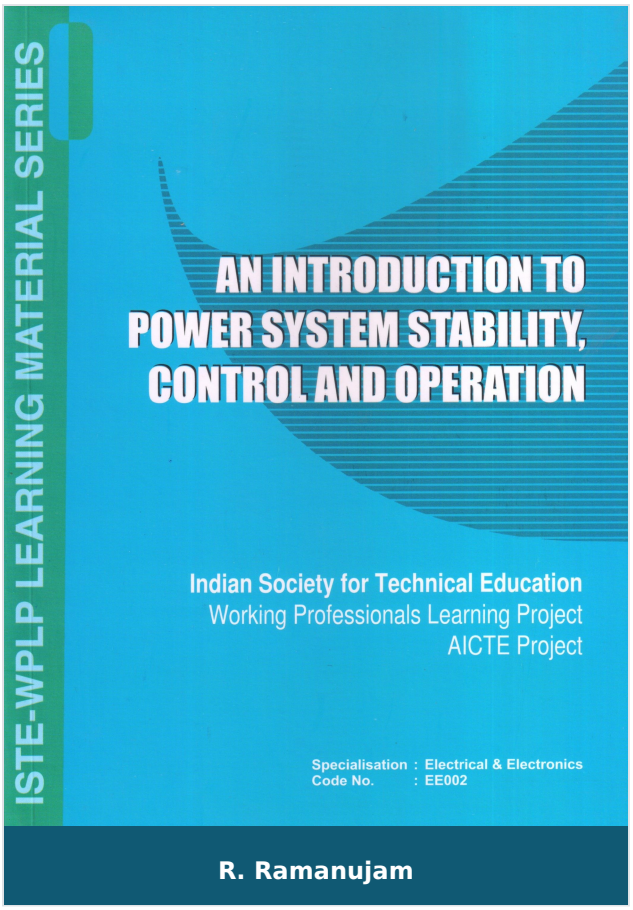


An Introduction to Power System Stability, Control and Operation

Author :	R. Ramanujam
ISBN 13 :	978-93-55384-32-4
ISBN 10 :	9355384327
E-ISBN 13 :	978-93-55384-32-4
Edition :	1
Pages :	142
Type of book :	Physical
Year :	2006
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 199.00
Categories :	Electrical, Electronics & Communication Engineering, Book Store, ISTE Series
Condition Type :	New
Country Origin :	India

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

Product Description

Power system in India have come a long way since independence. Growth of a power system indicates the health of the economy of a country. But it is accompanied by complexity and this complexity that power system stability and control are relevant.

This book is organized into two sections. " Power System Stability" is covered in the first three chapters and " Power System Control" in the latter part of the book. Power system stability is perhaps the earliest dynamic problem the power system engineering had to deal with. It was referred to as "hunting" then. Since then, volumes have been written on this topic and even a preliminary treatment of the entire contribution is clearly out of scope of this book.

This learning material is intended for the Electrical Engineering Graduates working professional in power utilities / Independent Power Plants (IPP) in the supervisory cadre and power system planning engineering / system operators / power transmission product manufacturers / Protection Engineers.

Khanna Publishing House

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

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

Table Of Contents

- FOREWORD
- PREFACE
- Introduction to Stability and Control of Power Systems
- Power System Stability: Concepts and Classification
- Analysis of Power System Stability
- Control of Active Power and Frequency
- Control of Reactive Power and Voltage
- Power System Security
- Supervisory and Energy Management System

Author

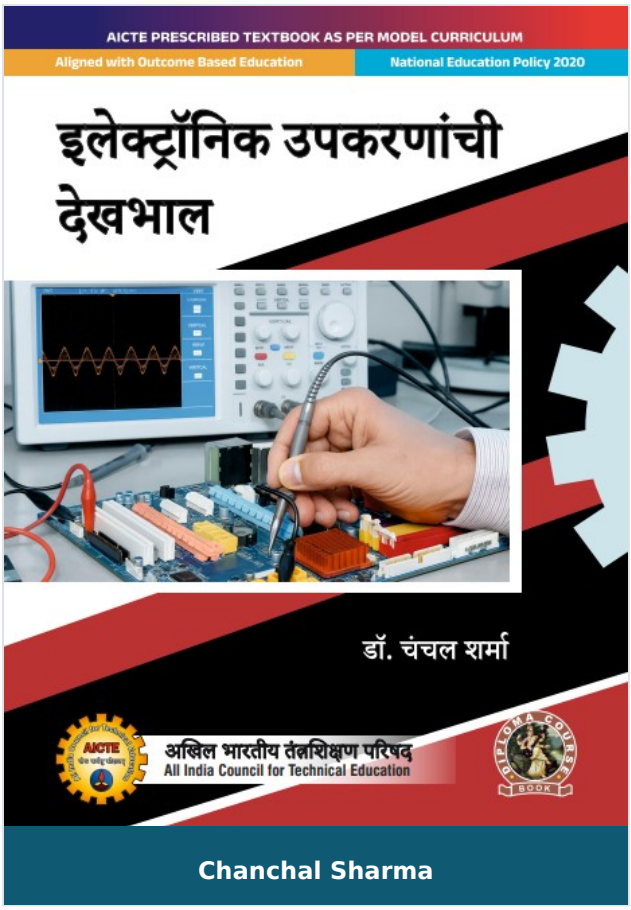
R. Ramanujam

R. Ramanujam

Khanna Publishing House

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

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



Electronic Equipment Maintenance

Author :	Chanchal Sharma
ISBN 13 :	978-93-55385-40-6
ISBN 10 :	9355385404
E-ISBN 13 :	978-93-55385-40-6
Edition :	First
Pages :	260
Type of book :	Physical
Year :	2026
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 398.00
Categories :	AICTE Prescribed Textbooks, Marathi Books, Book Store
Condition Type :	New
Country Origin :	India

Product Description

Electronic Equipment Maintenance

Khanna Publishing House

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

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

Author

Chanchal Sharma

Dr. Chanchal Sharma Professor, Dept. of Electronics and Communication Engineering (ECE) Arya College of Engineering and IT Jaipur (Rajasthan)

Khanna Publishing House

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

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



Mathematics - II

Author :	Garima Singh
ISBN 13 :	978-93-91505-04-2
ISBN 10 :	939150504X
E-ISBN 13 :	978-93-91505-04-2
Edition :	First
Pages :	176
Type of book :	Physical
Year :	2022
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 395.00
Categories :	AICTE Prescribed Textbooks, Tamil Books, Book Store, Ebooks
Condition Type :	New
Country Origin :	India

Product Description

“Mathematics-ll” is a Compulsory paper for the first year students of Diploma engineering courses (common to all branches). Syllabus of this book is strictly aligned to the model curriculum of AICTE. And academic content is amalgamated with the concept of outcome based education. Apart from diploma it is useful for all students who are interested in basic /elementary mathematics and competitive examinations. Book covers seven topics- Determinants, Matrices, Integral Calculus and it’s applications. Co-ordinate Geometry and it’s applications, vectors and it’s applications, Differential equations. Basic of MATLAB. Each topic is written in an easy and lucid manner with a holistic view. There has been deliberated attempt to keep the number of pages in the book minimum without compromising with the matter. Every chapter contains a set of exercises at the end of each unit to test the student’s comprehension.

Some salient features of the book:

1. For direct recapitulation of main concepts, formulae and results a brief summary of each unit has been given.

2. Objective questions and subjective questions are given for practice of students after every unit.

3. Content of the book is aligned with the mapping of Course Outcomes, Programs Outcomes and unit Outcomes.

4. Apart from the theory explanation and solved examples book provides for mini projects, activities, fun facts, QR codes, case studies, video resources etc.

5. The text has been supplemented with notes, remarks, remember sections within grey boxes.

Khanna Publishing House

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

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

6. Student and teacher centric subject materials are included in the book in a balanced manner.

7. Real life applications are inserted to improve clarity of this topics.

8. Know more section has been introduced which constitutes of additional information related to the topic.

9. Check-out section has been introduced so as to active the curiosity part of the student by correlating all the topics studied in this book with MATLAB.

10. At the end of each unit. An excerpt related to eminent Indian Mathematicians is given so as to make .

11. Student have a glimpse of the rich Indian heritage, especially in the field of mathematics.

Khanna Publishing House

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

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

Table Of Contents

- Foreword,
- Acknowledgement,
- Preface,
- Outcome Based Educations,
- Course Outcomes,
- Abbreviations and Symbols,
- List of Figures,
- Guidelines for Teachers,
- Guidelines for Students
- Determinants and Matrices
- Integral Calculus
- Co-ordinate Geometry
- Vector Algebra
- Differential Equations
- Appendices & Annexures

Author

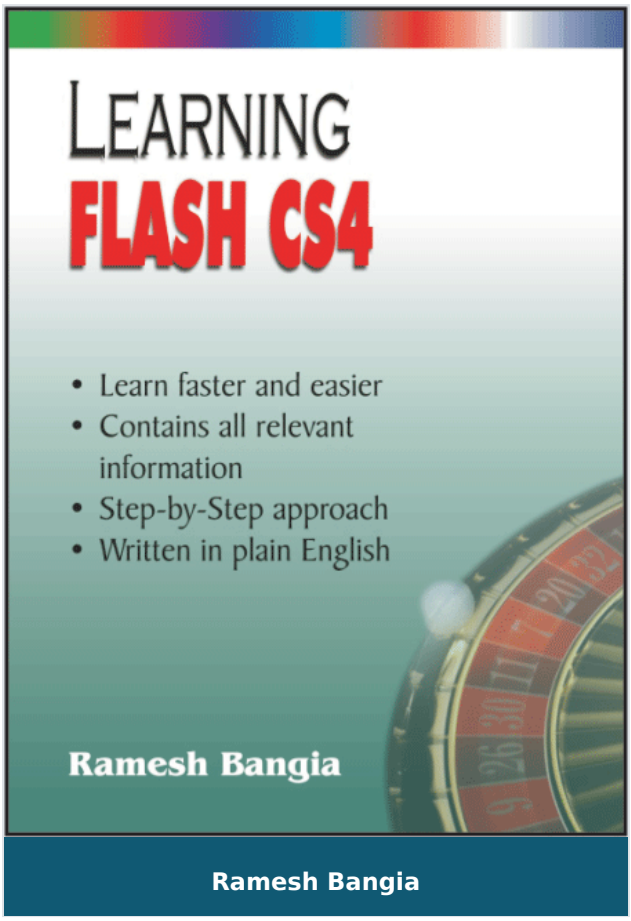
Garima Singh

Garima Singh

Khanna Publishing House

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

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



Ramesh Bangia

Learning Flash CS4

Author :	Ramesh Bangia
ISBN 13 :	978-93-80016-46-7
ISBN 10 :	9380016468
E-ISBN 13 :	978-93-80016-46-7
Edition :	1
Pages :	204
Type of book :	Physical
Year :	2013
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 225.00
Categories :	Computer Books - English, Book Store, Learning Series
Condition Type :	New
Country Origin :	India

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. Flash CS 4 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.

Khanna Publishing House

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

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

Table Of Contents

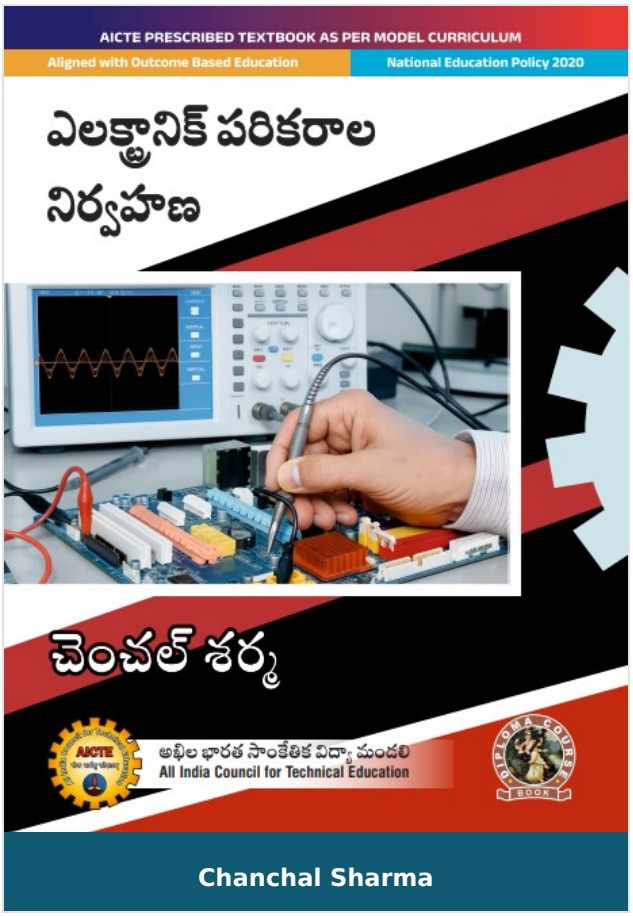
- Introduction to Flash CS4
- Tools to Flash CS 4
- Working with Test in Flash CS 4
- Drawing objects in Flash CS 4
- Editing Objects in Flash CS 4
- Creating & editing works in Flash CS 4
- Working with layers in Flash CS 4
- Working with animations in Flash CS 4
- Using sound in Flash CS 4
- Creating buttons in Flash CS 4
- Distributing Flash movies
- Using Tween and actions in Flash CS 4
- Advanced animations in Flash CS 4
- Filters and blends
- Creating a logo
- Keyword shortcuts of Flash CS 4
- Questions

Author

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.



Electronic Equipment Maintenance

Author :	Chanchal Sharma
ISBN 13 :	978-93-55386-60-1
ISBN 10 :	9355386605
E-ISBN 13 :	978-93-55386-60-1
Edition :	First
Pages :	248
Type of book :	Physical
Year :	2026
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 398.00
Categories :	AICTE Prescribed Textbooks, Telugu Books, Book Store
Condition Type :	New
Country Origin :	India

Product Description

Electronic Equipment Maintenance

Khanna Publishing House

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

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

Author

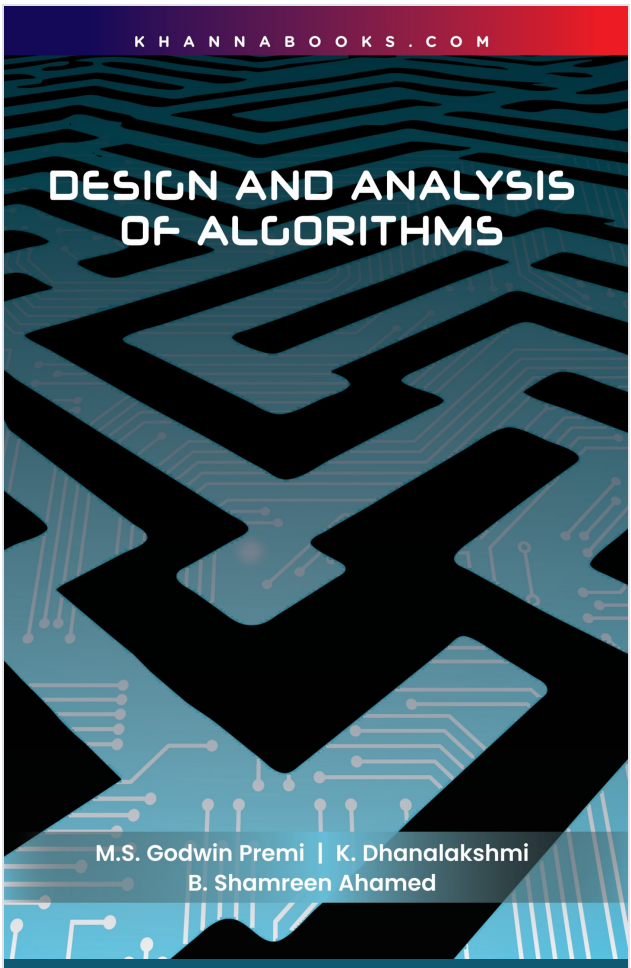
Chanchal Sharma

Dr. Chanchal Sharma Professor, Dept. of Electronics and Communication Engineering (ECE) Arya College of Engineering and IT Jaipur (Rajasthan)

Khanna Publishing House

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

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



B. Shamreen Ahamed, M. S. Godwin Premi, K. Dhanalakshmi

Design and Analysis of Algorithms

Author :	B. Shamreen Ahamed, M. S. Godwin Premi, K. Dhanalakshmi
ISBN 13 :	978-93-55382-63-4
ISBN 10 :	9355382634
E-ISBN 13 :	978-93-55382-63-4
Edition :	First
Pages :	136
Type of book :	Physical
Year :	2026
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

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

Product Description

This comprehensive textbook, Design and Analysis of Algorithms, is meticulously structured to provide Computer Science Engineering students with an in-depth and systematic understanding of foundational algorithmic principles. The core theme of the book revolves around the effective approach to computational problem-solving, emphasizing the art of designing efficient algorithms and rigorously analyzing their performance.

The book's purpose is to bridge the gap between theoretical knowledge and practical implementation, ensuring that learners can not only grasp complex concepts but also apply them to real-world computational challenges. It systematically covers essential methodologies across five comprehensive units. Starting with the fundamentals of algorithmic problem-solving, it delves into the critical concepts of Time and Space Complexity, Growth of Functions, and Asymptotic Notations (Big-O, Omega, and Theta).

It moves through major design paradigms, including Brute Force, Divide-and-Conquer, Greedy Approach, Dynamic Programming, and Backtracking and Branch and Bound. Detailed discussions on classic problems—like the Travelling Salesman, Knapsack, Huffman Coding, and Optimal Binary Search Trees—demonstrate the strengths and weaknesses of each approach. Written in a clear, simple, and student-friendly manner while maintaining academic rigor, this book is an indispensable resource. It serves as a comprehensive guide for students, educators, and researchers seeking to build a strong analytical mindset and a deep appreciation for the art and science of algorithm design.

Salient Features:

• Fundamental Analysis: Offers a detailed introduction to Time and Space Complexity, Growth Functions, and Asymptotic Notations (Big-O, Omega, Theta), enabling mastery over performance estimation and efficiency.

Khanna Publishing House

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

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

• Recurrence Relation Mastery: Dedicated coverage on solving recurrence equations using methods like Substitution, Recursion Tree, and the Master Method for precise algorithm time analysis.

• Five Major Techniques: Systematically explores all major algorithm design techniques, including Divide-and-Conquer, Greedy Approach, Dynamic Programming, Backtracking, and Branch and Bound.

• Linear Time Sorting: Features in-depth explanations of advanced sorting algorithms that achieve linear time complexity, such as Counting Sort, Radix Sort, and Bucket Sort.

• Practical Applications: Discusses classic problems like Travelling Salesman, Knapsack, Huffman Coding, and the 8-Queens Problem, illustrating the real-world application of theoretical concepts.

• Efficiency Benchmarking: Provides both Theoretical and Empirical Analysis methods for complexity, with program examples to ensure a clear understanding of practical performance measurement.

• Combinatorial Optimization: Focuses on advanced techniques like Backtracking and Branch and Bound, demonstrating their effective use in solving complex combinatorial optimization and NP-Complete problems.

Khanna Publishing House

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

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

Table Of Contents

- Introduction to Analysis of Algorithms
- Mathematical Foundations
- Brute Force and Divide-and Conquer
- Greedy Approach and Dynamic Programming
- Backtracking and Branche and Bound

Author

B. Shamreen Ahamed

B. Shamreen Ahamed

M. S. Godwin Premi

M. S. Godwin Premi

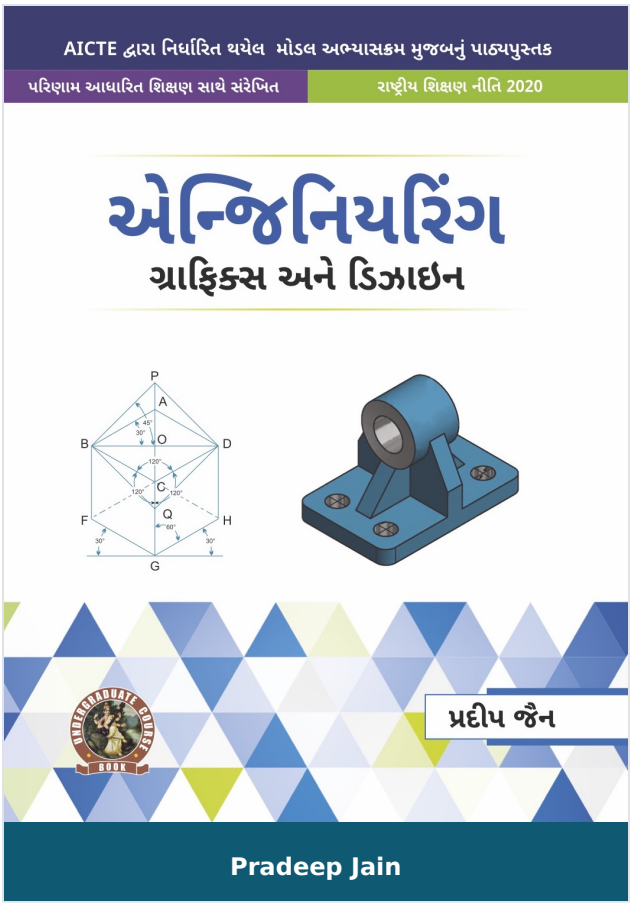
K. Dhanalakshmi

K. Dhanalakshmi

Khanna Publishing House

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

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



Engineering Graphics & amp; Design

Author :	Pradeep Jain
ISBN 13 :	978-93-55381-58-3
ISBN 10 :	9355381581
E-ISBN 13 :	978-93-55381-58-3
Edition :	First
Pages :	256
Type of book :	Physical
Year :	2023
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 395.00
Categories :	AICTE Prescribed Textbooks, Gujarati Books, Book Store, Ebooks
Condition Type :	New
Country Origin :	India

Product Description

This textbook “Engineering Graphics and Design” is based on the latest outcome based model curriculum of the AICTE. The book covers complete syllabus catering requirements of all major technical universities and institutes and provides insights into traditional engineering graphics as well as treats of the subject using 2D and 3D design software. It offers technical details, current standard, real world examples and clearly explains theory and technique in highly visual and concise format. The topic covered in this book are arranged into 9 chapters comprising self-explanatory diagrams and solved examples.

Salient Features:

1. Introduction of Engineering Drawing.
2. Orthographic Projection.
3. Projection of Solids.
4. Section of Solids and Development of Surfaces.
5. Isometric Projection.
6. Overview of Computer Graphics.
7. CAD Drawing.
8. Solid Modelling.
9. Team Design Project.

Khanna Publishing House

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

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

Table Of Contents

- Foreword
- Acknowledgement
- Preface
- Outcome Based Education
- Course Outcomes
- Abbreviations and Symbols
- List of Figures
- List of Tables
- Guidelines for Teacher
- Guidelines for Students
- Introduction of Engineering Drawing
- Orthographic Projection
- Projection of Solids
- Sectional Views of Solids
- Isometric Projection
- Overview of Computer Graphics
- Customisation &CAD
- Annotation Layers and 3D Modelling
- Projects
- Reference
- CO and Po Attainment Table
- Index.

Khanna Publishing House

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

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

Author

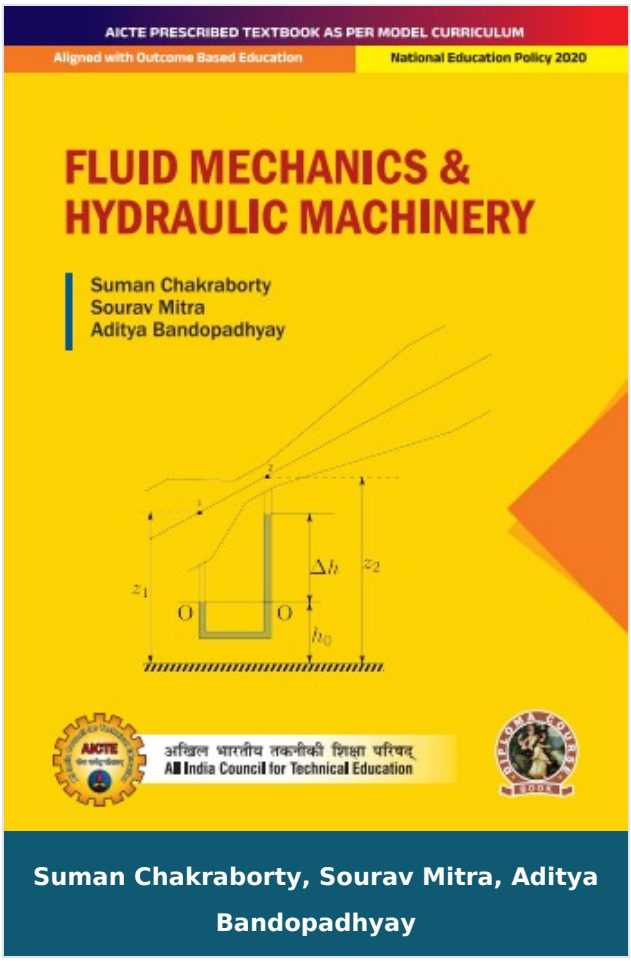
Pradeep Jain

Pradeep Jain has 15 years of experience in teaching and industry in CAD/CAM. presently he is working as an associate professor in the Department of Mechanical Engineering, Ajay Kumar Garg Engineering College, Ghaziabad. He is providing training and consultancy in CAD/ CAM field.

Khanna Publishing House

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

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



Fluid Mechanics & Hydraulic Machinery

Author :	Suman Chakraborty, Sourav Mitra, Aditya Bandopadhyay
ISBN 13 :	978-93-55389-51-0
ISBN 10 :	9355389515
E-ISBN 13 :	978-93-55389-51-0
Edition :	First
Pages :	308
Type of book :	Physical
Year :	2026
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 598.00
Categories :	AICTE Prescribed Textbooks, English Books, Book Store
Condition Type :	New
Country Origin :	India

Product Description

Fluid Mechanics & Hydraulic Machinery

Fluid mechanics & hydraulic machinery is a fundamental course of mechanical and civil engineering. The course introduces the students with the basic principle and governing equation of the fluid mechanics. The primary objective of this book is to ensure that the students develop strong conceptual basic of the fundamental principles of fluid mechanics and hydraulic machinery and cultivate the ability to apply the concepts to solve complex fluid flow problems.

Salient features:

- Well-designed content material of the book aligning with the mapping of course outcomes, programs Outcomes and unit outcomes.
- Is 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, historical facts and QR code for E-resources to know more about various fluid mechanics concepts.
- Some practical problems are given at the end of the units for students to learn by implementing the fundamental concepts of fluid mechanics.
- Student and teacher centric subject materials have been included in book with balanced content and in chronological manner.
- Numerous solved examples, laying down the mathematical approach towards solving a fluid mechanics or hydraulics machinery problem have book provided have been provided in every unit for the help of the students.
- Multiple choice questions (MCQs) and unsolved numerical problems with varying levels of difficulty have been included at the end of each unit.

Khanna Publishing House

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

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

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
- Properties of Fluids
- Fluids at Rest
- Fluids Under Motion 1: Kinematics of Flow
- Fluids Under Motion 1: Conservation Laws
- Engineering Applications 1: Flow Through Pipes
- Engineering Application 2: Open Channel Flows
- Fluid Machinery: Turbines
- Fluid Machinery: Pumps
- CO and PO Attainments table
- Index

Author

Suman Chakraborty

Khanna Publishing House

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

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

Prof. Suman Chakraborty Professor, Department of Mechanical Engineering, IIT Kharagpur Dr.

Sourav Mitra

Dr. Sourav Mitra Assistant Professor, Department of Mechanical Engineering, IIT Kharagpur Dr.

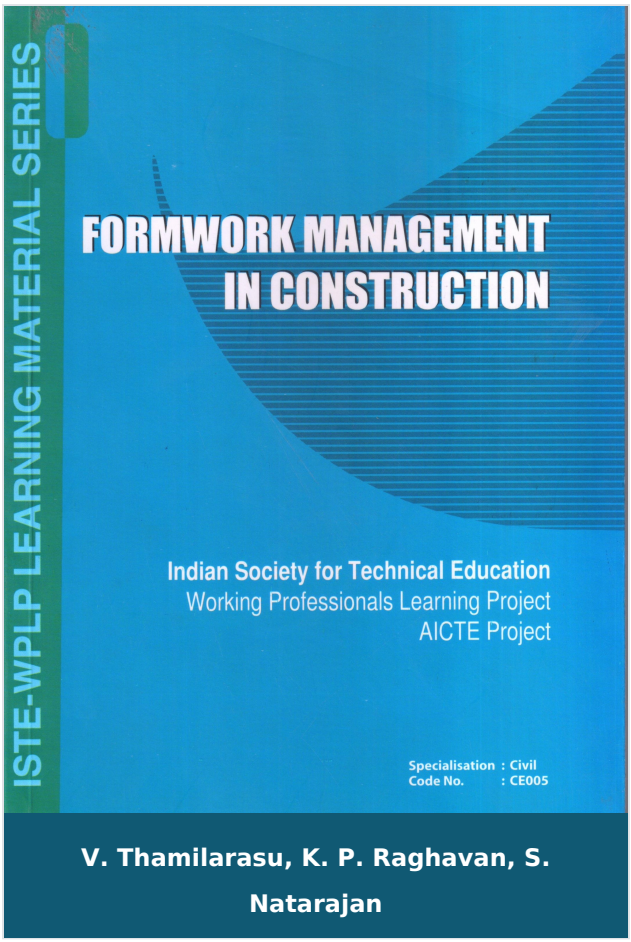
Aditya Bandopadhyay

Dr. Aditya Bandopadhyay Associate Professor, Department of Mechanical Engineering, IIT Kharagpur

Khanna Publishing House

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

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



Formwork management in Construction

Author :	V. Thamilarasu, K. P. Raghavan, S. Natarajan
ISBN 13 :	978-93-55389-30-5
ISBN 10 :	9355389302
E-ISBN 13 :	978-93-55389-30-5
Edition :	1
Pages :	130
Type of book :	Physical
Year :	2007
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 182.00
Categories :	Civil Engineering, Book Store, ISTE Series
Condition Type :	New
Country Origin :	India

Product Description

This book on "Formwork Management in Construction" has been written keeping in mind the importance of Formwork and its Applications for the Construction Industry. A good understanding of effective and safe use of formwork & scaffolding for various applications is essential for students of Civil Engineering, Site Engineers, Site Supervisors and Builders.

Formwork is one of the most neglected subject in any civil construction as it is only a part of enabling work. Strict norms on safety and proper design of formwork is generally not addressed properly in case of normal construction. The construction happening in the rural areas and in some part of urban areas are (mostly residential constructions) carried out using conventional material available in the market (Timber, casuarina poles).

The requirement for good Formwork is realized after the introduction of Ready Mixed Concrete (RMC) in the market, in which the formwork should be adequately designed to take care of the concrete pressure.

Khanna Publishing House

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

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

Table Of Contents

- FOREWORD
- PREFACE
- Role of Formwork in Construction
- Materials Used in Formwork
- Conventional VS System Formwork
- System Formwork and its Applications
- Formwork Design
- Formwork Planning
- Labour Material Productivity
- Formwork Management
- Training of Workmen
- Slip Forming
- Formwork for Special Application, Aluminium Formwork and Precast Moulds
- Safety in Formwork
- References

Author

V. Thamilarasu

V. Thamilarasu

K. P. Raghavan

K. P. Raghavan

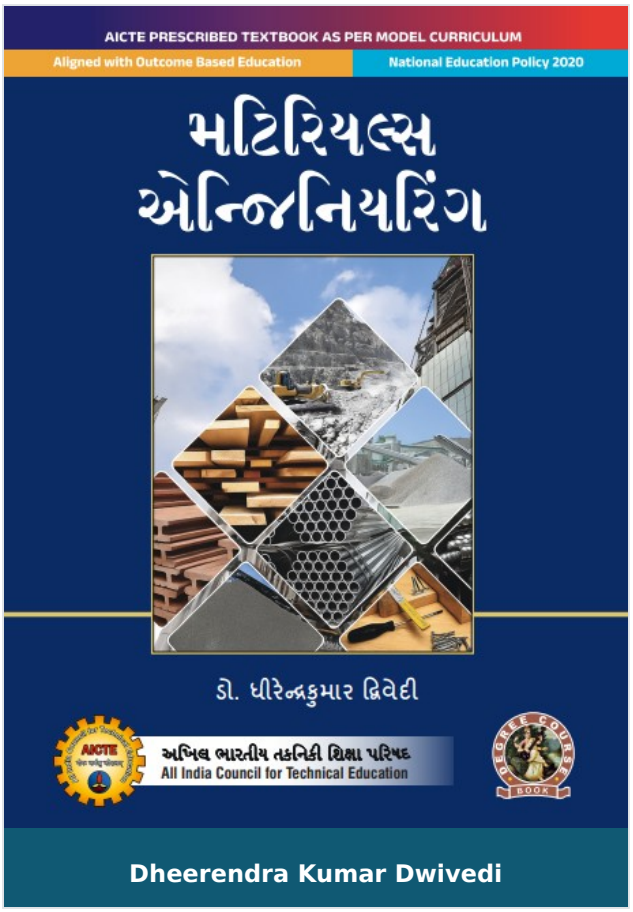
S. Natarajan

S. Natarajan

Khanna Publishing House

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

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



Materials Engineering

Author :	Dheerendra Kumar Dwivedi
ISBN 13 :	978-93-55384-33-1
ISBN 10 :	9355384335
E-ISBN 13 :	978-93-55384-33-1
Edition :	First
Pages :	320
Type of book :	Physical
Year :	2026
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 498.00
Categories :	AICTE Prescribed Textbooks, Gujarati Books, Book Store
Condition Type :	New
Country Origin :	India

Product Description

Materials Engineering

Materials play very important in development of efficient and reliable products, and systems leading to the improved life of society. Material affects the design and manufacturing of products and systems significantly. Therefore, it is extremely important for mechanical, production, manufacturing and material engineers to have a systematic understanding on fundamental of material science affecting microstructure and mechanical properties coupled techniques and approaches available to modify and improve properties as per need of application. The book entitled “Materials Engineering” developed as per model curriculum of AICTE for 4th semester student of subject Materials Engineering

Salient Features:

- Content of the book aligned with the mapping of Course Outcomes, Programs Outcomes and Unit Outcomes.
- In start of eads unit leaming 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.

Khanna Publishing House

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

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

- Short questions, objective questions and long answer exercises are given for practice of students after every chapter.
- Solved and unsolved problems including numerical examples are solved with systematic steps

Khanna Publishing House

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

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

Table Of Contents

- Foreword
- Acknowledgement
- Preface
- Outcome Based Education
- Course Outcomes
- Guidelines for Teachers
- Guidelines for Students
- Abbreviations and Symbols
- List of Figures
- Fundamental of Material Science
- Mechanical Properties of Materials
- Theories of Failures Under Static Loading and Fatigue Behaviour
- Phase Diagram and Metallurgical Transformation
- Hear Treatment of Steel
- Common Engineering Metals: Mechanical Properties and Manufacturing
- Unit Summary
- Exercises
- Practical
- Know More
- References and Suggested Readings

Author

Dheerendra Kumar Dwivedi

Khanna Publishing House

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

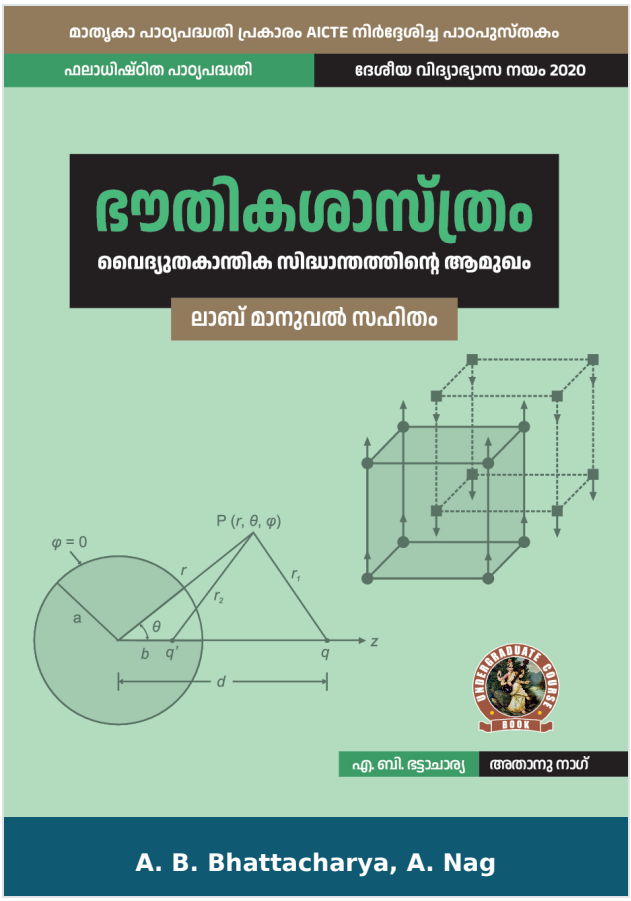
Email: contact@khannabooks.com | Tel: 011-2324 44 47 - 48 | Mobile: +91-99109 09320

Dr. Dheerendra Kumar Dwivedi Professor, Department of Mechanical and Industrial Engineering Indian Institute of Technology Roorkee

Khanna Publishing House

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

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



Physics - Introduction to Electromagnetic Theory (with Lab Manual)

Author :	A. B. Bhattacharya, A. Nag
ISBN 13 :	978-93-55381-55-2
ISBN 10 :	9355381557
E-ISBN 13 :	978-93-55381-55-2
Edition :	1
Pages :	384
Type of book :	Physical
Year :	2025
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 295.00
Categories :	AICTE Prescribed Textbooks, Book Store, Ebooks, Malayalam Books
Condition Type :	New
Country Origin :	India

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

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.

Khanna Publishing House

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

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

Table Of Contents

- Foreword
- Acknowledgement
- Preface
- Outcome Based Education
- Course Outcomes
- Abbreviations and Symbols
- List of Figures
- Guidelines for Teacher
- Guidelines for Students
- Electrostatics in Vacuum.
- Electrostatics in Linear Dielectric Medium.
- Magnetostatics.
- Magnetostatics in Linear Dielectric Medium.
- Faraday’s Law.
- Maxwell’s Equations.
- Electromagnetic Waves.
- Table of Physical Constants
- Appendices
- Annexures
- References for Further learning
- CO and PO attainment Table
- Index

Khanna Publishing House

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

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

Author

A. B. Bhattacharya

Prof. A. B. Bhattacharya did his MSc and PhD degree from the University of Calcutta in Physics and Post-doc from the Massachusetts Institute of Technology (MIT), Cambridge, USA. He worked in close collaboration with the leading laboratories like Lincoln Laboratory; Milestone Hill Observatory; Earth, Atmospheric and Planetary Sciences division of MIT and many other well recognized laboratories in India and abroad. He served as Professor & Head of the Department of Physics, University of Kalyani; Dean of Research and Head of the ECE Department, Techno India University; Pro Vice Chancellor of JIS University and Director of Brainware University. He has published 32 text books for Science and Engineering students, two popular books for general readers and over 400 research articles in reputed International Journals. Under his supervision 24 scholars received their doctoral degree. He is a fellow of the Institute of Electronics and Telecommunication Engineers and member of many scientific organizations. India International Friendship Society awarded him the prestigious "Shiksha Ratna Award" and Certificate of Excellence for meritorious services, outstanding performance and significant contribution to education. The International Institute of Success Awareness hon0red him with their globally recognized "Glory of India Gold Medal" for his outstanding contribution to the national stature of India. A few words from the certificate issued by Prof. Williams of MIT may be quoted "Our collaborative effort was directed at the wavelength dependence of radar echoes observations with the Millstone Hill UHF radar in Westford. He made use of the Charles River Data System computer in the Weather Radar Laboratory for these calculations. His results help to make a convincing case that the volume reflectivity associated with lighting is a diminishing function of radar wavelength, contrary to contemporary thinking". Dr.

A. Nag

Khanna Publishing House

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

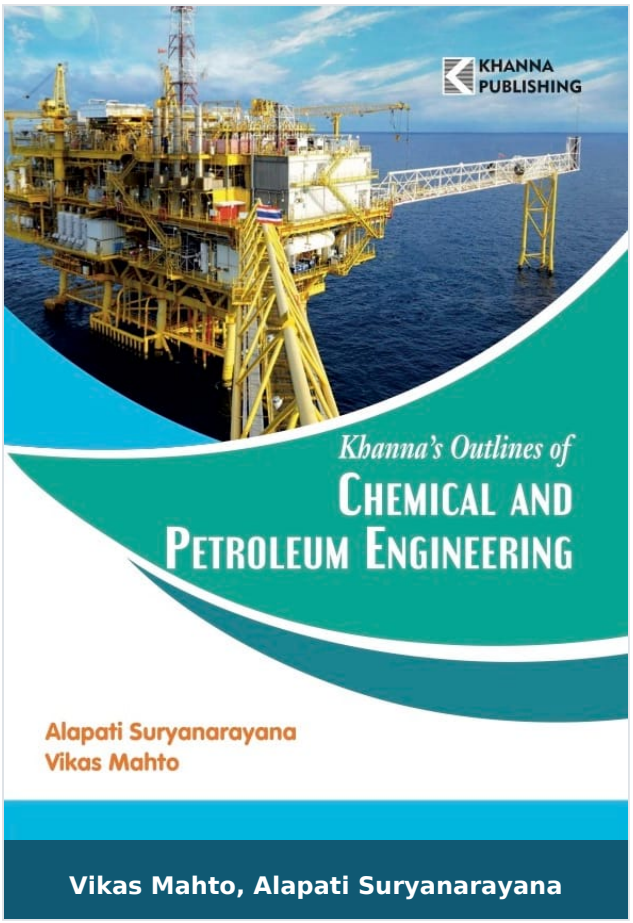
Email: contact@khannabooks.com | Tel: 011-2324 44 47 - 48 | Mobile: +91-99109 09320

A. Nag Dr. Atanu Nag did his M. Sc. in 2007 and Ph. D. in 2013 from the University of Kalyani. He has published over 50 Journal papers and 5 books for Science & Engineering students. Presently he is the Head and Associate Professor in the Department of Physics, Modern Institute of Engineering & Technology, Hooghly, West Bengal.

Khanna Publishing House

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

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



Khanna's Outlines of CHEMICAL & PETROLEUM ENGINEERING

Author :	Vikas Mahto, Alapati Suryanarayana
ISBN 13 :	978-93-86173-19-5
ISBN 10 :	9386173190
E-ISBN 13 :	978-93-86173-19-5
Edition :	First
Pages :	672
Type of book :	Physical
Year :	2018
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 499.00
Categories :	OBJECTIVE TYPE BOOKS, Book Store
Condition Type :	New
Country Origin :	India

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

Product Description

This book of chemical & Petroleum Engineering Contains of Various Topics. It covers different type of question with their Answers and Fill in the Blanks. Required data and equations are given for day to day calculations of Chemical Engineering topics. This book is necessary tool or an instrument for Chemical & Petroleum Engineers.

Khanna Publishing House

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

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

Table Of Contents

- Stiochiometry
- Mechanical Operations
- Fuels and Combustion
- Chemical Technology
- Fluid Mechanics
- Heat Transfer
- Mass Transfer
- Thermodynamics
- Chemical Reaction Engineering
- Instrumentation and Process Control
- Equipment Design and Economics
- Computers
- Petroleum Engineering
- Energy Conservation and Safety
- Optimization
- Environmental Engineering
- Summary of Wquations
- Mathematics
- Material Science and Engineering
- Corrosion Engineering
- Safety Engineering
- Petroleum Engineering (Multiple Choice Question)
- Appendix

Khanna Publishing House

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

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

Author

Vikas Mahto

Dr.Vikas Mahto is an Associate Professor in the petroleum Engineering Department of Indian School Of Mines Dhanbad, India. He has received his Ph.D. degree in petroleum Engineering from Indian School of Mines Dhanbad in 2004. He is having more than 12 years of teaching experience in the field of Chemical Engineering and Petroleum Engineering. He is the author of more than 100 technical papers in different national/International journals 7 conferences of repute. He has completed three research projects sponsored by UGC-ISM, UGC New Delhi and CSIR New Delhi and currently working on collaborative project with Oil India India Ltd, Duliajan, Assam. He has field two Indian Patents. He is the reviewer and member of editorial boards of many national and international journals.

Alapati Suryanarayana

Alapati Suryanarayana

Khanna Publishing House

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

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