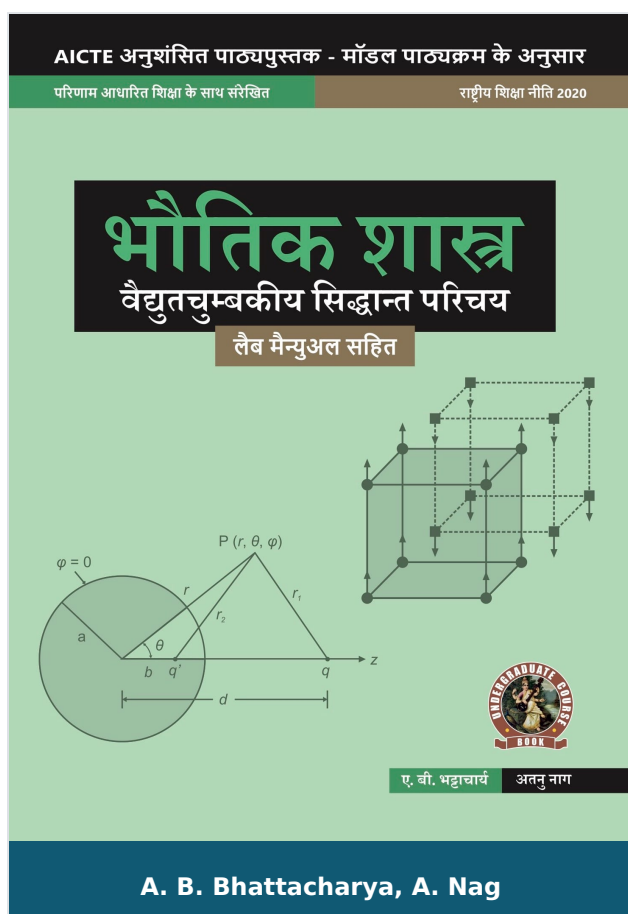




Physics (Introduction to Electromagnetic Theory) (with Lab Manual)

Author :	A. B. Bhattacharya, A. Nag
ISBN 13 :	978-93-55381-30-9
ISBN 10 :	9355381301
E-ISBN 13 :	978-93-55381-30-9
Edition :	First
Pages :	320
Type of book :	Physical
Year :	2023
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 495.00
Categories :	AICTE Prescribed Textbooks, Hindi Books, Book Store, Ebooks
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.

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- Guidelines for Students
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- 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

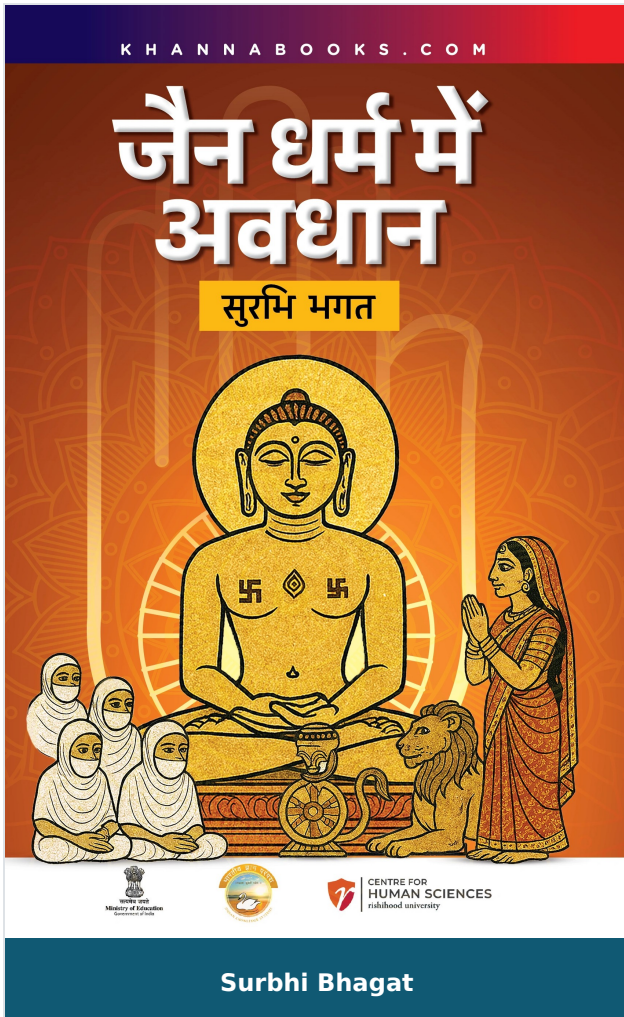
Author

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 honored 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 lightning is a diminishing function of radar wavelength, contrary to contemporary thinking". Dr.

A. Nag

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.



Jain Dharma me Avadhana

Author :	Surbhi Bhagat
ISBN 13 :	978-93-55389-34-3
ISBN 10 :	9355389343
E-ISBN 13 :	978-93-55389-34-3
Edition :	1
Pages :	116
Type of book :	Physical
Year :	2025
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 199.00
Categories :	New Arrivals, Book Store, Education & Knowledge Systems
Condition Type :	New
Country Origin :	India

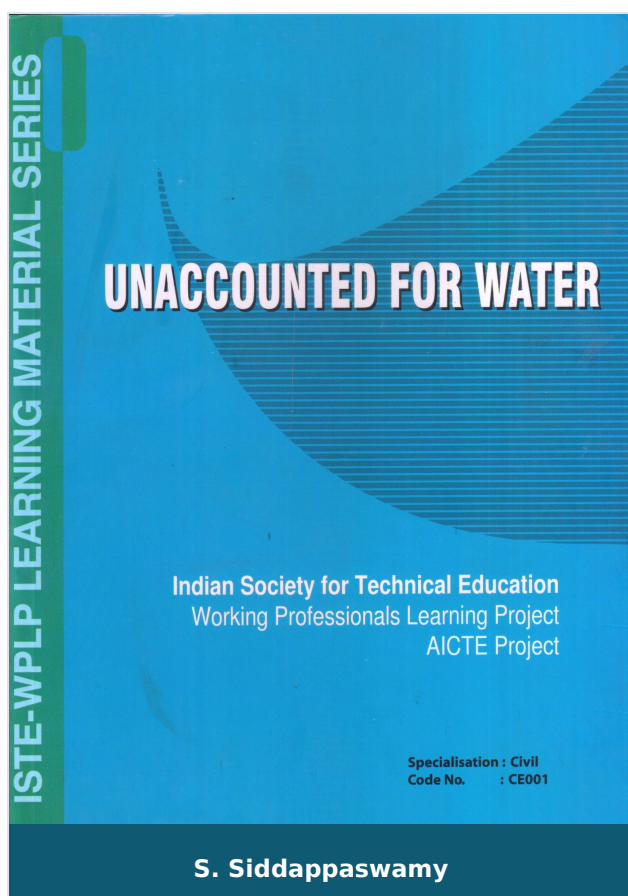
Product Description

Jain Dharma me Avadhana

Author

Surbhi Bhagat

S. Vaishnavi Sampadananda Moshra Prateek Pattanaik Surabhi Bhagat



Unaccounted for Water

Author :	S. Siddappaswamy
ISBN 13 :	978-93-55388-76-6
ISBN 10 :	9355388764
E-ISBN 13 :	978-93-55388-76-6
Edition :	1
Pages :	88
Type of book :	Physical
Year :	2006
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 128.00
Categories :	Civil Engineering, Book Store, ISTE Series
Condition Type :	New
Country Origin :	India

Product Description

The book, "Unaccounted For Water", explains the intricacies involved in identifying the various components for UFW, quantifying the same methods to reduce the leakage and non-metered consumption. The book also explains about the measures and the expenditure to contain UFW, which depends on the cost of water. Chapter 4 and 5 deal with the various techniques on water leakage management and chapter 6 highlights the latest instruments used for leakage detection. Chapter 9 spells out the realistic issues of UFW.

The learning material has been prepared to train the professionals responsible for water supply and maintenance. Knowledge gained from this book will help the Water Board to maintain the Water Supply System (WSS) more effectively and earn more revenue.

The specific objectives of this resource training material are:

1. To use as learning material, for leakage control activities.
2. To use as manual for , trainers and managers involved in leakage control activities.
3. To help the process of training so that more trainees have access to skills dealing with leakage control.

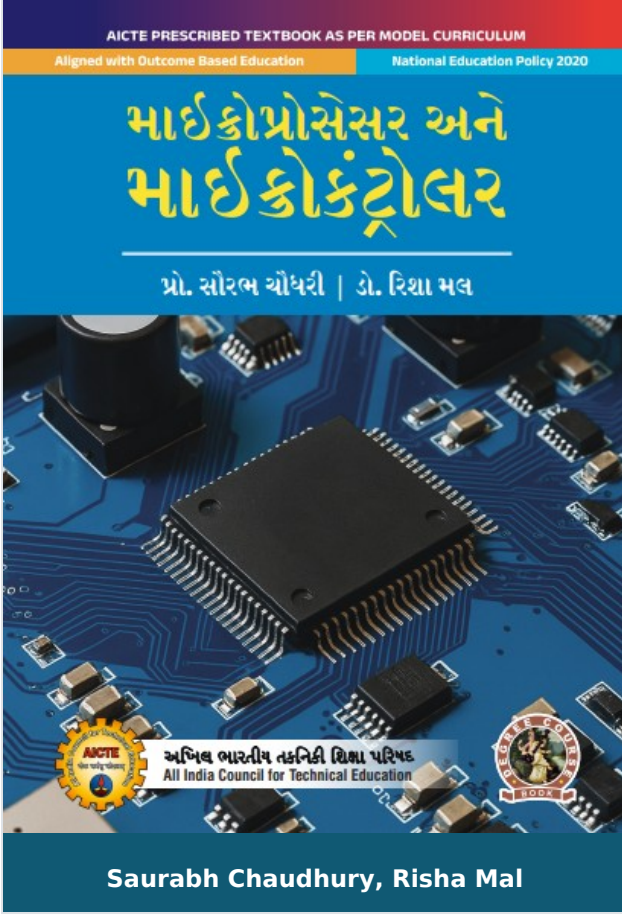
Table Of Contents

- S. Siddappaswamy
- S. Siddappaswamy

Author

S. Siddappaswamy

S. Siddappaswamy Senior Engineer TCE Consulting Engineers Ltd. (A TATA Enterprise)
Bangalore.



Microprocessor and Microcontroller

Author : Saurabh Chaudhury, Risha Mal

ISBN 13 : 978-93-55389-77-0

ISBN 10 : 9355389779

E-ISBN 13 : 978-93-55389-77-0

Edition : First

Pages : 408

Type of book : Physical

Year : 2026

Language : English

Publisher : Khanna Publishing House

M.R.P : Rs 598.00

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

Condition Type : New

Country Origin : India

Product Description

Microprocessor and Microcontroller

This book aims at providing the readers specially, the second-year undergraduate students a thorough knowledge of microprocessors and microcontrollers in a best possible way. Syllabus of this book is as per the AICTE model of curriculum, following National Education Policy, 2020. Each chapter of the book is written in a very lucid manner so as to understand the underlying concepts easily with explanatory examples followed by review questions, exercises and QR codes of online links and other learning resources. The book begins with a brief history on the evolution of computers and processors for making the subject interesting. Further, starting from the very basic microprocessor 8085 and the basic microcontroller 8051, the book gradually progresses towards advanced microprocessors and microcontrollers in the most appropriate manner.

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, QR Code for use of ICT, projects, group discussion etc.
- Student and teacher centric subject materials included in book with balanced and chronological manner.
- Figures, tables, and software screen shots are inserted to improve clarity of the topics.
- Apart from essential information a 'Know More' section is also provided in each unit to extend the learning beyond syllabus.

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

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- • 8051 microcontroller
- • Instruction set and programming
- • Memory I/O interfacing
- • External communication interface
- • Introduction to Advanced processors and concepts
- List of Tables
- Appendices
- Annexures:
- CO and PO Attainment Table
- References for Further Learning
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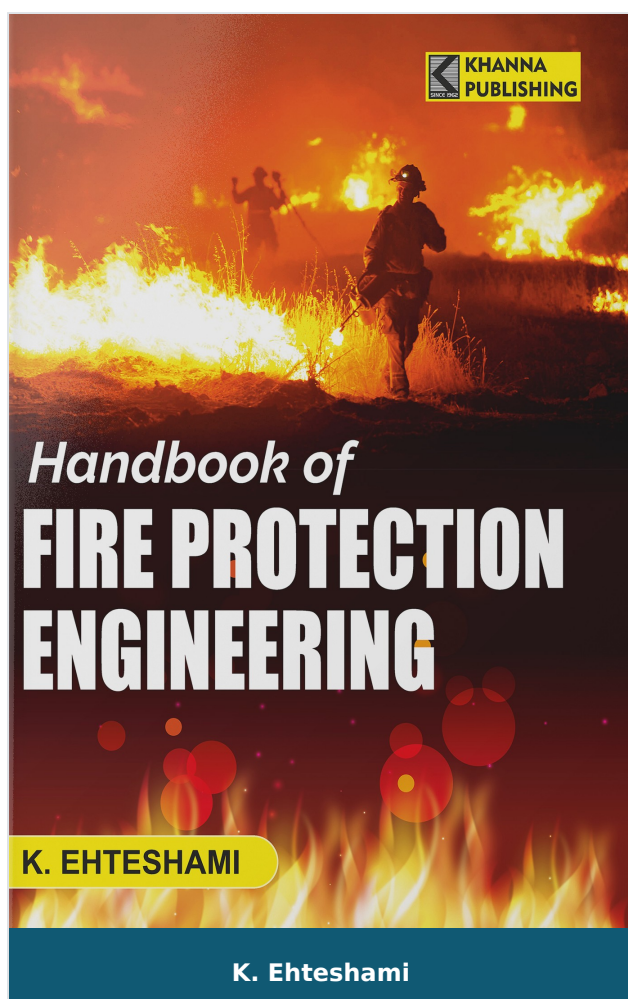
Author

Saurabh Chaudhury

Prof. Saurabh Chaudhury Professor, Department of Electrical Engineering, National Institute of Technology, Silchar, Assam Dr.

Risha Mal

Dr. Risha Mal Assistant Professor, Department of Electrical Engineering, National Institute of Technology, Silchar, Assam



Handbook of Fire Protection Engineering

Author :	K. Ehteshami
ISBN 13 :	978-93-89139-18-1
ISBN 10 :	938913918X
E-ISBN 13 :	978-93-89139-18-1
Edition :	First
Pages :	320
Type of book :	Physical
Year :	2021
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 295.00
Categories :	Fire and Safety Engineering, Hardbound 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 "Handbook of Fire Protection Engineering" is in response to the need for an up-to-date practical handbook which I believe is highly useful in providing help for engineers, architects, contractors, colleges, universities, and regulatory agencies. The direct and complete presentation of materials in this handbook is especially useful in the design and installation of modern fire protection systems. Also, there is a chapter on explosion prevention which is highly useful in woodworking shops, munition making factories, etc. Each chapter in this book focuses on the major area of concern for fire protection professionals. The chapters are organized and presented in the order that is compatible with the engineering textbook.

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- Introduction to Fire Protection
- Antifreeze System
- Deluge System
- Dry Pipe System
- Exposure Protection System
- Firecycle System
- Foam System
- Halon Systems
- Preaction System
- Wet Pipe System
- Explosion Protection System
- Light Hazard Occupancies
- Ordinary Hazard Occupancies
- Extra Hazard Occupancies
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- Fire Protection for High-Rise Buildings
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- Flammable or Combustible Liquids
- Highly Flammable Liquids and LPG
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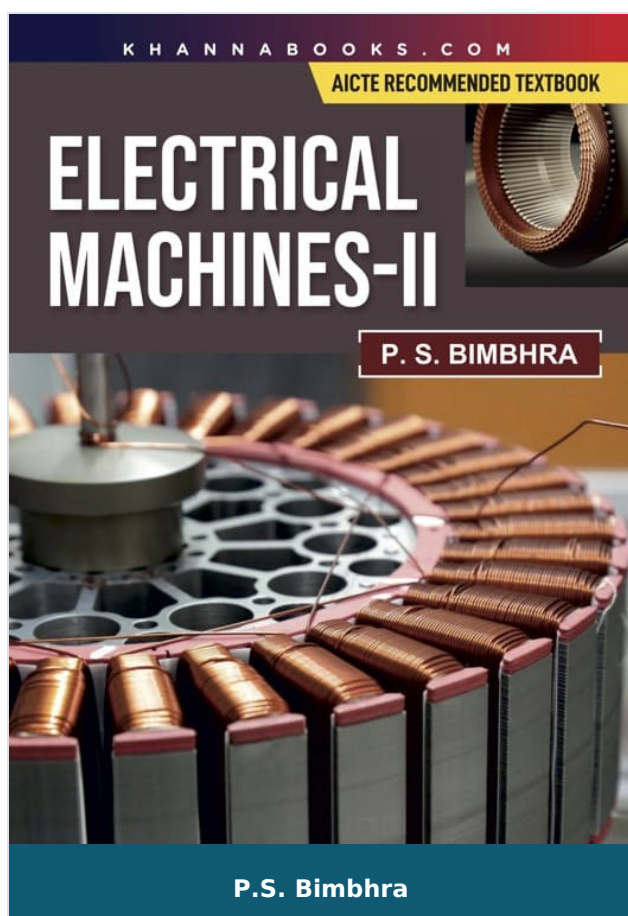
- Fire Protection in Historical Buildings
- Early Detection Alarms
- Fire Protection for Aircraft Hangars
- Smoke Detectors
- Fire Protection at the Job Site
- Fire Protection for Storage
- Rack Storage of Materials
- Centrifugal Fire Pumps
- Break Tanks
- Fire Service
- Fire Protection for Storage of Rubber Tires
- Fire protection Signaling Systems
- Heat Detectors
- Fire Protection for Data Processing Centers
- Hand-Held Extinguishers
- Carbon Dioxide Extinguishing Systems
- Dry Chemical Systems
- Fire Protection for Nuclear Power Plant
- Cooling Tower
- Safety at the Work
- Fire Safety
- Industrial Explosion Prevention
- OSHA
- Fire Safety in the Home
- Explosive Dust

- Atmospheric Tanks
- Fire Protection for Chimneys
- Fire Protection for Aircraft Cabin
- Fire Protection for Hotels
- Plant Safety and Fire Protection
- Safety Training
- Flame Retardant
- Fire Brigades
- Loss Control
- Safety Movement in the United States
- Mine Safety
- Occupational Safety Program

Author

K. Ehteshami

K. Ehteshami Keyoumars Ehteshami was born to a Khan family from Bakhtiari tribe located in Zagros mountains in southwest Iran. He finished Elementary School in Shar kord, Iran and for High School, he attended Alborz High School, a private Kschool; in Tehran. Upon graduation from Alborz he attended University of Text and obtained a Bachelor of Science degree (B.S.) in Mathematic and Physical Science. Later he obtained Professional Engineering registration (P.E.) from Princeton University. He also holds a Master degree in Business Management (M.B.A.) from National University in Los Angeles. For the past 44 years he has worked as project engineer, project manager and consulting engineer in the United States.



Electrical Machines - II

Author :	P.S. Bimbhra
ISBN 13 :	978-93-86173-60-7
ISBN 10 :	9386173603
E-ISBN 13 :	978-93-86173-60-7
Edition :	First
Pages :	168
Type of book :	Physical
Year :	2025
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 332.00
Categories :	Electrical, Electronics & Communication Engineering, UNIVERSITY RECOMMENDED, Electrical, Electronics & Communication Engineering, 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 on "Electrical Machines-II" is intended to serve as a text book for the students of Electrical Engineering in general and for those studying in institutions where AICTE model curriculum has been adopted. This book serves as a supplement to the already published book on "Electrical Machines-I". The topics covered in this book pertain to the syllabus contents as prescribed by AICTE for the course on "Electrical Machines II".

Chapter 1. Describes the fundamental of AC machine windings. Here general terms associated with armature winding are defined first. Then, air-gap mmf waves produced by concentrated and distributed windings are explained. Concepts of winding factor is also given in this chapter.

Chapter 2. Describes the concepts of constant magnetic field, pulsating magnetic field and rotation magnetic field.

Chapter 3. Three-phase induction motor is described in detail so far as its constructional features, principle of operation, rotor and stator equivalent circuits and torque-slip characteristics are three-phase induction generator working and doubly-fed induction machines.

Chapter 4: Constructional features, principle of operation, double-revolving field theory and starting methods of single-phase induction motor are described.

Chapter 5. Pertains to the analysis of three-phase synchronous machines. In this chapter both cylindrical-rotor type and salient-pole type machines are discussed in detail. Steady-state phasor diagram of each type is developed for analysis purposes. Steady-state power-angle characteristics and operating characteristics are also presented in this chapter.

The book contains a large number of worked examples to highlight the principles and concepts of the topics covered in this book. Unsolved problems at the end of each

chapter are included for practice. Objective type questions included at the end of each chapter will help the readers to evaluate their comprehension of the chapter topics.

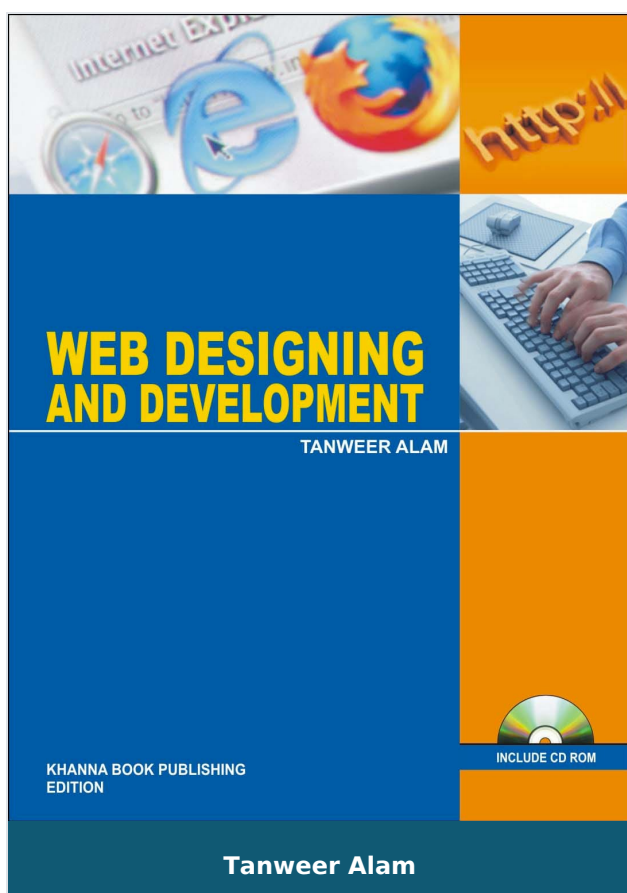
Table Of Contents

- Chapter-1: Fundamentals of AC machine windings
- Chapter-2: Pulsating and revolving magnetic fields
- Chapter-3: Induction Machines
- Chapter-4: Single- Phase Induction motors
- Chapter-5: Synchronous machines

Author

P.S. Bimbhra

Dr. P.S. Bimbhra retired as a professor of Electrical and Electronics Engineering from T.I.E.T. Patiala. A graduate of Punjab Engineering College, Chandigarh, he received his M.E. (Hons.) and Ph.D. from IIT Roorkee. He is fellow of the Institution of Engineers and a life member of ISTE. His areas of current interests include Electrical Machines, Power Electronics and Electric Drives.



Web Designing and Development

Author :	Tanweer Alam
ISBN 13 :	978-93-80016-87-0
ISBN 10 :	9380016875
E-ISBN 13 :	978-93-80016-87-0
Edition :	1
Pages :	304
Type of book :	Physical
Year :	2013
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 275.00
Categories :	Computer Science Engineering, Book Store
Condition Type :	New
Country Origin :	India

Product Description

This book deals with the fundamental of web programming. This book will be of great help to web developers who are not already familiar with web programming. This can upgrade their skills through this book and achieve great height in the world of web programming. The objective of this book is to promote that future by spreading the use of the websites as widely as possible. It is also integral to the internet applications and other e-business solutions that that are the foundation of corporate computing. this book is divided into a number of chapters. Each chapter is a self contained area. The chapters in this book are arranged in a sequence order. The programs presented in this book are just to understand the application. The objective of this book is the serve as a textbook in various course viz. B. Tech/MCA/BCA/M.Sc., etc.

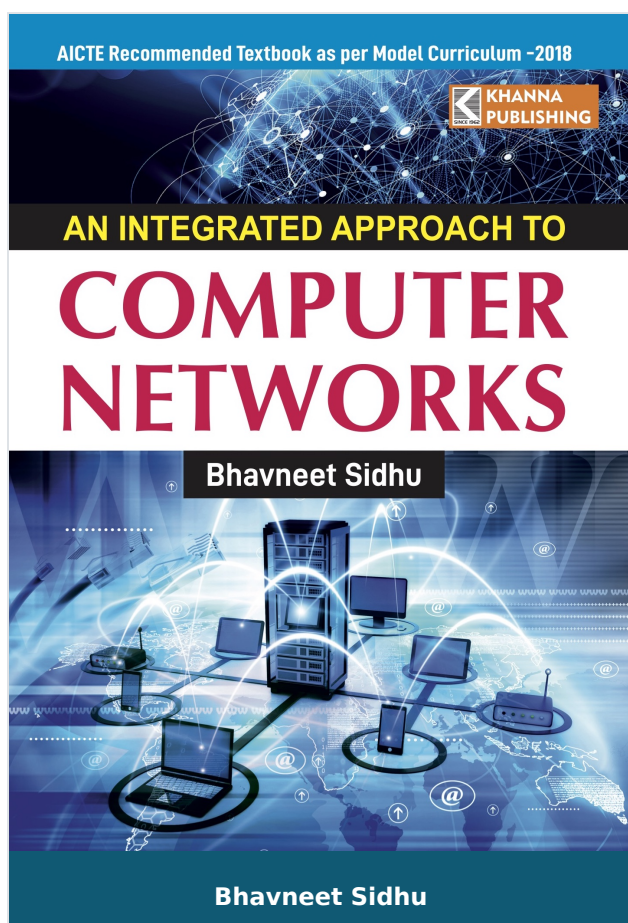
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- Working with Database
- ASP.net
- Mini Website

Author

Tanweer Alam

Tanweer Alam has an experience of more than seven years in the Teaching field. Currently, He is working at MCA Department, Meerut Institute of Engineering and Technology, Meerut. He has got his MCA Degree in 2003 from UP Technical University, Lucknow, UP. He has got his Master Degree in Mathematics in 2000 from CCS University, Meerut, UP. He has got his MPhil Degree in Computer science in 2007 from MKU, Madurai. He is also MTech in IT and currently, He is doing PhD in Computer Science & Engineering. He presents more than thirty research papers in various reputed national/international Conferences/Journal.



An Integrated Approach to Computer Networks

Author :	Bhavneet Sidhu
ISBN 13 :	978-81-87325-72-7
ISBN 10 :	8187325720
E-ISBN 13 :	978-81-87325-72-7
Edition :	1
Pages :	584
Type of book :	Physical
Year :	2021
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 525.00
Categories :	Computer Science Engineering, UNIVERSITY RECOMMENDED, Computer Science Engineerings, 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

Computer networks have become essential part of modern computing. As a designer, developer, programmer, or user it is absolutely necessary to have a good understanding of the concepts and techniques involved in these modern networking technologies, This book treats the Network as a system composed of inter related building blocks, giving students and professionals the best possible conceptual foundation for better understanding of current networking technologies as well as the further technologies of the industries.

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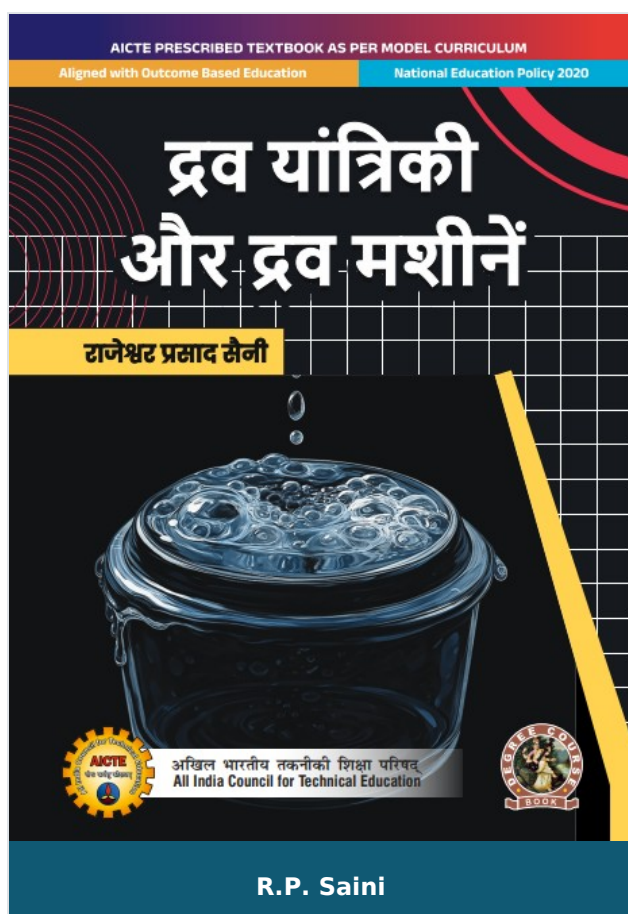
- Introduction to Computer Networks
- Network Topologies
- Reference Models-OSI and TCP/IP
- Transmission Media
- Electromagnetic Signals and Modulation
- Switching Principles
- Multiplexing Techniques
- Telephone System and ISDN Services
- Data Link Layer
- Multiple Access Protocols
- Introduction to LAN and MAN Protocols
- Network Layer
- Internetworking Devices
- Transport Layer
- Session and Presentation Layer
- Application Layer
- Network Security
- Some Network Standards

Author

Bhavneet Sidhu

Mrs. Bhavneet Sidhu is presently working as a Lecturer of Computer Science Department of computer science and Technology at Guru Nanak Dev University, Amritsar (Punjab).

She obtained her MCA degree from Guru Nanak Dev University, Amritsar in 2001. She has over four years of teaching experience. She has been teaching computer Networks for the last three years and during this time she developed keen interest in networking and was inspired to write a book on this field. She has written this book keeping in view the interest and the needs of the students.



Fluid Mechanics & Fluid Machines

Author :	R.P. Saini
ISBN 13 :	978-93-55388-97-1
ISBN 10 :	9355388977
E-ISBN 13 :	978-93-55388-97-1
Edition :	First
Pages :	240
Type of book :	Physical
Year :	2026
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 358.00
Categories :	AICTE Prescribed Textbooks, Hindi 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

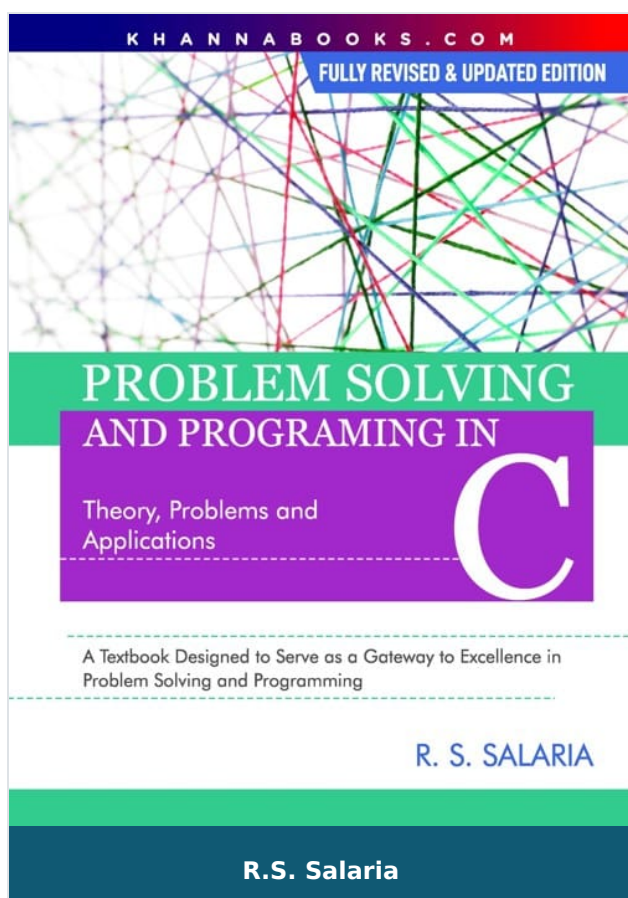
Product Description

Fluid Mechanics & Fluid Machines

Author

R.P. Saini

Dr. R.P. Saini Department of Hydro and Renewable Energy Indian Institute of Technology
Roorkee



Problem Solving and Programming in C

Author : R.S. Salaria

ISBN 13 : 978-93-82609-49-0

ISBN 10 : 9382609490

E-ISBN 13 : 978-93-82609-49-0

Edition : Fifth

Pages : 522

Type of book : Physical

Year : 2023

Language : English

Publisher : Khanna Publishing House

M.R.P : Rs 425.00

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

Condition Type : New

Country Origin : India

Product Description

The subject of Programming in C is an integral part of curriculum of all universities and institutes offering undergraduate and postgraduate and program in Computer Science and Information Technology leading to the degree of BE/B Tech, BSc(IT), BCA, MSc(IT), MSc(CS) and MCA.

This book is designed to serve as a textbook for the students taking these program of study. The book lays more emphasis on developing the skill of problem solving and program design, which are pre-requisites to programming.

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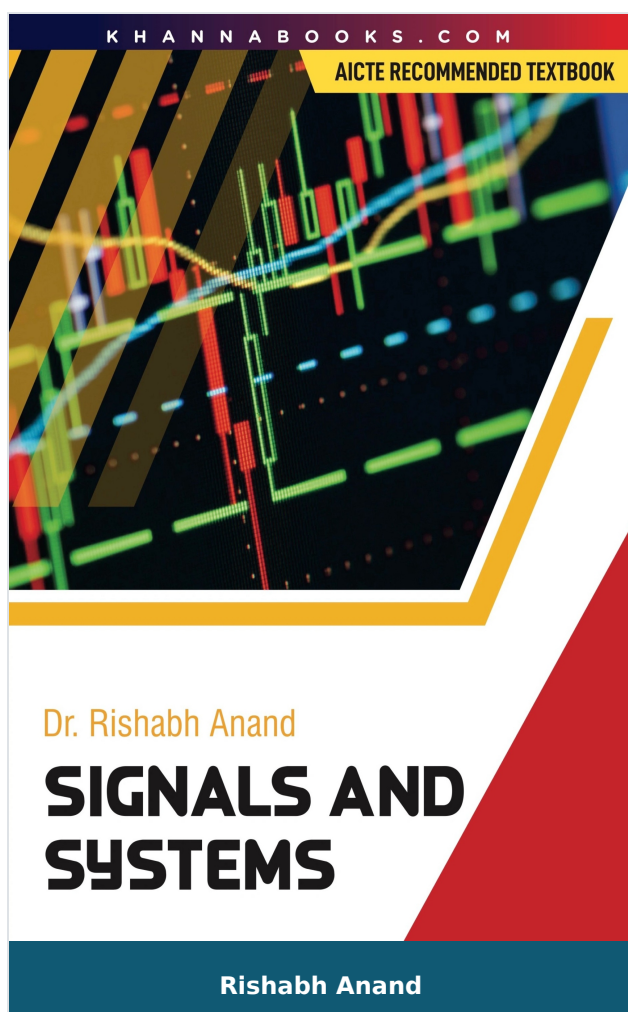
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- Problem Solving and Program Planning
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- Fundamentals Data Types
- Operators and Expressions
- Standard Input/ Output
- Decision Making Statements
- Looping Statements
- Functions
- Arrays
- Strings
- Structures and Unions

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- File Handling
- Library Functions and Header Files
- Preprocessor Directives
- 800x600
- Normal
- false
- false
- false
- EN-US
- X-NONE
- X-NONE
- <w:LsdException Locked="false" Priority="9" SemiHidden="true" UnhideWhenUsed="true" QFormat="true" Name="heading

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>



Signals And Systems

Author :	Rishabh Anand
ISBN 13 :	978-93-86173-53-9
ISBN 10 :	9386173530
E-ISBN 13 :	978-93-86173-53-9
Edition :	First
Pages :	716
Type of book :	Physical
Year :	2025
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 725.00
Categories :	Electrical, Electronics & Communication Engineering, UNIVERSITY RECOMMENDED, Electrical, Electronics & Communication Engineering, Book Store
Condition Type :	New
Country Origin :	India

Product Description

This book presents the theory and concepts of signals and systems through analytical examples in a simple and lucid manner. It is designed for under graduate students of electronics and communication engineering, telecommunications engineering, electronics and instrumentation engineering, and electrical and electronics engineering. The book will also be useful to AMIE students. Written with student-centered, pedagogically driven approach, the text provides a self-contained introduction to the theory of signals and systems. This book looks at the concepts of systems, and also examines signals and the way that signals interact with physical systems. It covers topics ranging from basic signals and systems to signal analysis, properties of continuous-time Fourier transforms including Fourier transforms of standard signals, signal transmission through linear system, relation between convolution and correlation of signals, sampling theorems and techniques, and transform analysis of LTI systems. All the solved and unsolved problems in this book are designed to illustrate the topics in a clear way.

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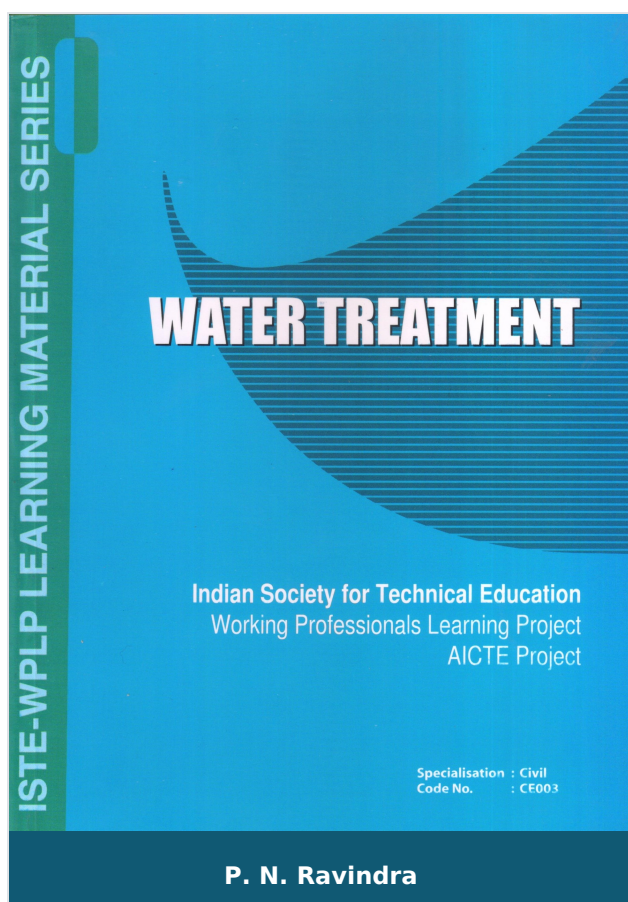
- Ch -1 Introduction to Signals and Systems
- Ch -2 Linear Time invariant Continuous- Time and Discrete-time Systems
- Ch -3 Fourier Series of Continuous-Time Signals or Continuous-Time Fourier Series(CTFS)
- Ch -4 Discrete-Time Fourier Series (DTFS)
- Ch -5 Continuous-Time Fourier Transform (CTFT)
- Ch -6 The Discrete-Time Fourier Transform (DTFT)
- Ch -7 The Discrete Fourier Transform (DFT)
- Ch -8 Fast Fourier Transform (FFT) Algorithms
- Ch -9 The Laplace Transform
- Ch -10 z-Transform
- Ch -11 Characterization of Signals and Systems in Time and Frequency-Domain
- Ch -12 Sampling of Continuous-Time Signals
- Ch -13 Sampling of Discrete-time Signals

Author

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Water Treatment

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ISBN 13 :	978-93-55389-22-0
ISBN 10 :	9355389221
E-ISBN 13 :	978-93-55389-22-0
Edition :	1
Pages :	272
Type of book :	Physical
Year :	2006
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 388.00
Categories :	Civil 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

Water works engineers should be aware of the wider issues concerning the principles of wastewater treatment. This in turn requires not only good design engineering, but also better working knowledge of the system. In this context, this book will make a significant contribution for enhancing knowledge from basics to the advancement in the field of wastewater treatment.

This book written under working professionals learning project is with the intention of providing sufficient information and knowledge about the principles of wastewater treatment to the water works engineers. This book comprehensively deal with the basic of wastewater treatment, laying emphasis on current trends. To convey ideas and concepts more clearly, the book contains descriptive diagrams with suitable explanation. The book covers a broad spectrum of material dealing with wastewater treatment, as it is far more than just as update of the existing books on wastewater treatment, which includes the latest concepts and processes. This learning material will also be a useful reference book for planners, administrators, students and general readers. It will be of interest to wastewater treatment. One who reads this book systematically from chapter one will surely acquire an understanding on the concepts of wastewater treatment, including schemes of treatment.

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Dr. P. N. Ravindra The author of this book is working as Assistant Executive Engineering for Bangalore Water Supply and Sewerage Board (BWSSB) and has more than 25 years of working experience in the field of water and wastewater treatment. He has written several books in water discipline and published several research papers. It is a matter of pride and privilege for the author to write a book for his fellow engineers, who can make this book worthwhile. He acknowledges the help he has received from Mr Narayana, Cheif

Engineer, (Retd), BWSSB in reviewing the material and also improving the quality of the book. Special thanks to Prof. NR Shetty, Chairman, Project Advisory Committee, ISTE-WPLP and Er AN Parameswaran, Project Officer and his staff, ISTE-WPLP, who have provided valuable suggestions and carried out the coordination in preparation of this material.