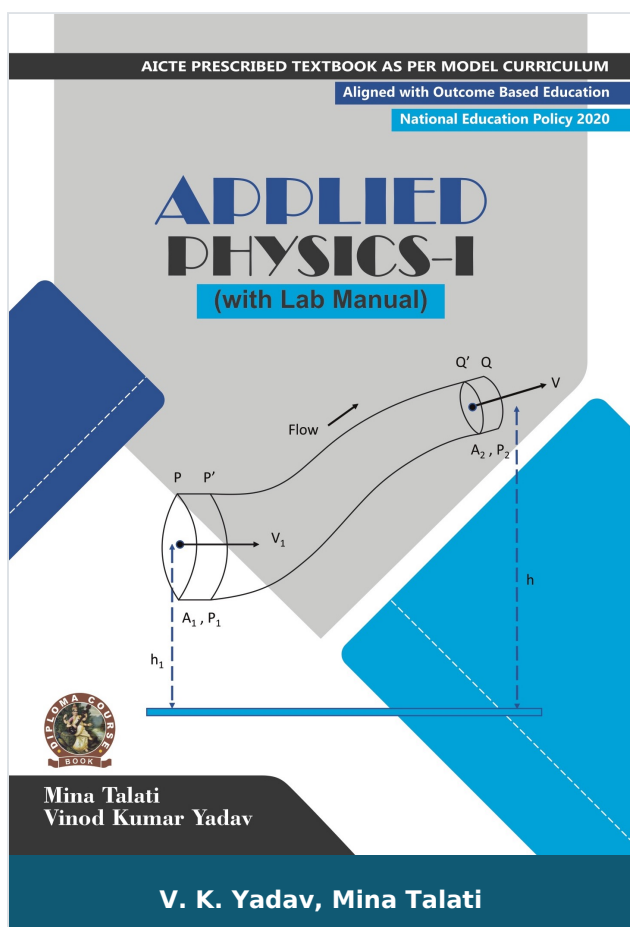




Applied Physics I (with Lab Manual)

Author : V. K. Yadav, Mina Talati

ISBN 13 : 978-93-91505-43-1

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E-ISBN 13 : 978-93-91505-43-1

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Publisher : Khanna Publishing House

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Categories : [AICTE Prescribed Textbooks,](#)
[English Books, Book Store,](#)
[Ebooks, APPLIED SCIENCES &](#)
[HUMANITIES](#)

Condition Type : New

Country Origin : India

Product Description

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

Book covers six topics- Physical World, Units and Measurements; Force and Motion; Work, Power and Energy; Rotational Motion; Properties of Matter; Heat and Thermometry. 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 Outcome, Programs Outcomes and Unit Outcomes.
2. Book provides lots of interested facts, QR Code for E-resources, QR Code for use of ICT etc.
3. Students and teacher centric subject materials are included in book with balanced and chronological manner.
4. Figures and tables are inserted to improve clarity of the topics.
5. Short questions, objective questions and long answer exercises of different difficulty levels are given for practice after every chapter.
6. Solved numerical examples are provided with systematic steps in each chapter followed by numerical exercises with hints.

Table Of Contents

- Physical World, Units and Measurements
- Force and Motion
- Work, Power and energy
- Rotational Motion
- Properties of Matter
- heat and Thermometry
- Annexes
- Appendices
- Index

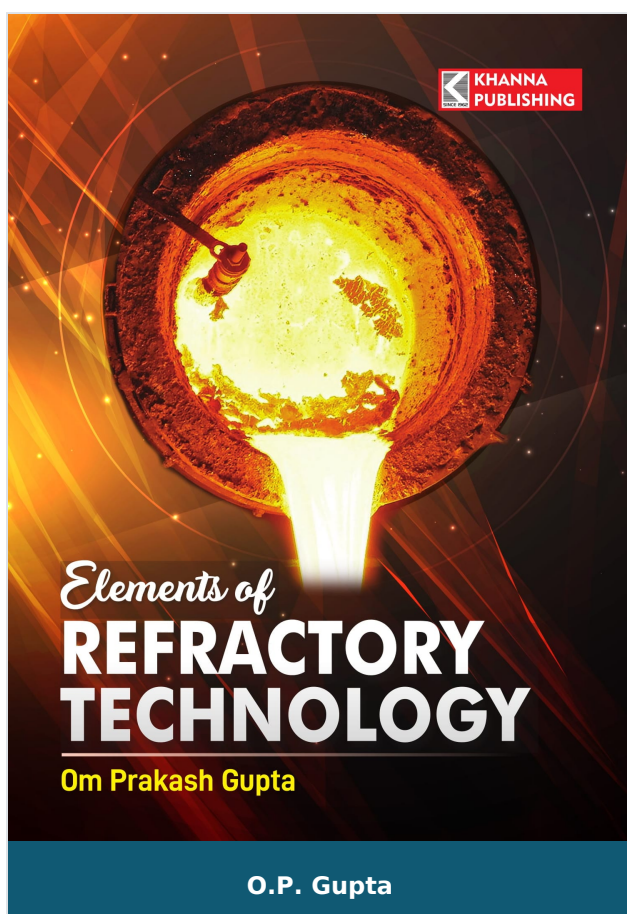
Author

V. K. Yadav

V. K. Yadav

Mina Talati

Mina Talati



Elements of Refractory Technology

Author :	O.P. Gupta
ISBN 13 :	978-93-86173-64-5
ISBN 10 :	9386173646
E-ISBN 13 :	978-93-86173-64-5
Edition :	First
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Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 299.00
Categories :	Chemical 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 describes the essential features of refractory technology and is useful for degree & diploma courses in engineering. AMIE, AMIIM and IICHE examinations. Short question & answers and multiple choice question & answers drawn from the examination paper of various engineering colleges and professional bodies examinations given at the end of the book enhances its utility for the students.

Table Of Contents

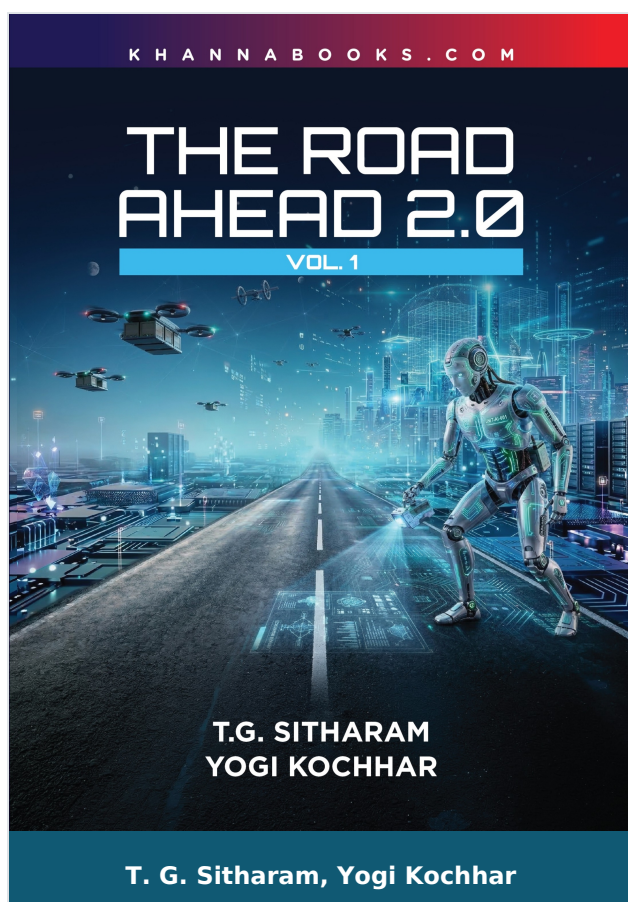
- Chapter-1: Introduction to Refractories
- Chapter-2: Manufacture, Properties and Applications of Important Refractories
- Chapter-3: Refractories used in Various Furnaces/Industries
- Chapter-4: Properties Testing of Refractory
- Chapter-5: Phase Equilibrium in Refractory materials
- Chapter-6: Insulating Refractories / Ceramic fibres
- Chapter-7: Special Refractories
- Chapter-8: Refractory - Cements/Mortars, Castables Ramming Masses
- Appendices :
- Appendix-A: Glossary of Terms (Related to Refractories)
- Appendix-B: Short Question & Answers on Refractory Technology
- Appendix-C: Multichoice Questions & Answer on 'Refractory Technology
- Appendix-D: Technical Data on Refractories
- Appendix- References/Bibliography/Further Reading

Author

O.P. Gupta

O.P. Gupta Om Prakash Gupta is basically being a chemical engineer, he has a practising experience of efficient Ennergy management and HR functions in steel Industry for more than three decades. privileged to be the youngest writer of technical books in the country (for he had written his first book at the age of 24 years while doing M. Tech. at I.I.T kanpur in 1979), he has authored many frontline books for engineering students. besides, being the regular faculty member in technical courses for Management Trainees (Technical), he has also visited england and france on a study tour sponsored by United

Nations Development Programme (UNDP) to study the scope of energy conservation in steel plants in 1987.



The Road Ahead 2.0 Volume-1 (Colour Edition)

Author :	T. G. Sitharam, Yogi Kochhar
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Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 995.00
Categories :	Computer Science Engineering, New Arrivals, Emerging Technologies, Book Store
Condition Type :	New
Country Origin :	India

Product Description

The world stands at the edge of monumental change. Like the dinosaurs, we too tread the path of history, unaware of what's next. AI is here, and it's poised to transform how we live, work, and play.

This book draws inspiration from Bill Gates' *The Road Ahead*, Marconi's pioneering spirit, and Santiago's journey in Paulo Coelho's *The Alchemist*. As you explore the Preface and beyond, you'll find sparks of imagination—just as Gates did decades ago—igniting a revolution.

The book distills global activity through the lens of AI across 70+ concise chapters. Santiago embarks on a metaphorical quest through this “crystal ball,” uncovering how AI will shape the future. Guided by engaging stories and analogies, you'll navigate a forest of ideas, including Santiago's imagined meeting with Harry Potter.

We've kept the chapters paper thin, allowing you to “eavesdrop” on conversations exploring whether AI is a bane or a boon. Along the way, we challenge you to reflect on critical truths: Practice precedes policy. Policies codify practices, but AI's rapid pace will always outstrip them. Like football played before rule books, generative AI will sprint light-years ahead of regulation.

Think of it as a modern Tom and Jerry—the policy-maker cat chasing an ever-moving laser pointer.

This journey is a call to action: adapt or adopt, for the times demand it. Otherwise, like footprints in the sand, we risk fading into obscurity.

For those seeking change, this book offers a different sauce. It's a salute to imagination, catalyzing transformation akin to *Who Moved My Cheese?*—an ode to Dr. Spencer Johnson. We carry him in a parody inside.

Clue: Adapt, adopt, and lead. The AI revolution is here to stay.

Endorsements

“This illuminates AI’s unparalleled impact towards making a VIKSIT BHARAT aligning with our Prime Minister’s visionary call for AI adoption with care and sensitivity.”— Prof. Ajay K Sood, Principal Scientific Advisor, Govt of India.

“This book is an almanac that brings a purposeful exactitude to planet, people, and profit in that order where AI becomes a partner in achieving our shared goals.”— Prof. Phoebe Koundouri, Chair: Climate Change, UN SDSN.

“Fantastic, Insightful & visionary.”— Dr. H R Nagendra, Chancellor Svyasa University.

“AI will empower power. Brilliant work.”— Anil Sardana, Chairman Adani Power.

“Empathic, compelling, rich roadmap. A must read for all global institutions.”— Prof. Abhay Karandikar, Secretary, Ministry of Science & Technology

Table Of Contents

- Foreword
- Preface
- About the Authors
- The Kumbh & The Voyage
- India & AI Cyclone
- Decrypting the AI Family
- SDGs
- AI-Socio-Eco-Political- Finance, Governance & Crypto
- Education Management
- Education Streams

Author

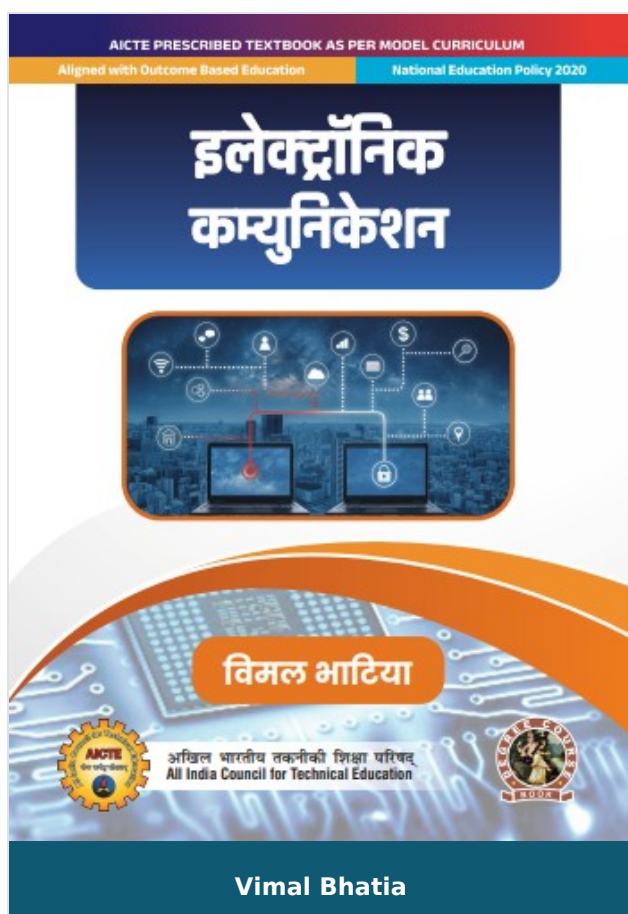
T. G. Sitharam

T. G. Sitharam is a civil engineer, professor at IISc Bangalore, former director at IIT Guwahati. Currently, he is serving as Chairman of the All India Council for Technical Education, (AICTE) from 1 December 2002 onwards. He is known for his works in the fields of rock mechanics, rock engineering geotechnical earthquake engineering. He is an elected fellow of Indian Geotechnical Society, Institution of Engineers (India) and American Society of Civil Engineers.

Yogi Kochhar

Yogi Kochhar : - Yogi, an AI FUTURIST, works across sectors in US, UK and India to operationalize AI adoption at scale: his ability to simplify complex ideas and translate them into implementable constructs gives this book its unique clarity and force. Author, Poet Golfer, Trekker. Their collaboration results in a seminal work that charts not just

what AI can do, but what it must do; strengthen institutions, empower citizens, and prepare societies for an era of profound transformation.



Electronic Communication

Author :	Vimal Bhatia
ISBN 13 :	978-93-55389-40-4
ISBN 10 :	935538940X
E-ISBN 13 :	978-93-55389-40-4
Edition :	First
Pages :	236
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Language :	English
Publisher :	Khanna Publishing House
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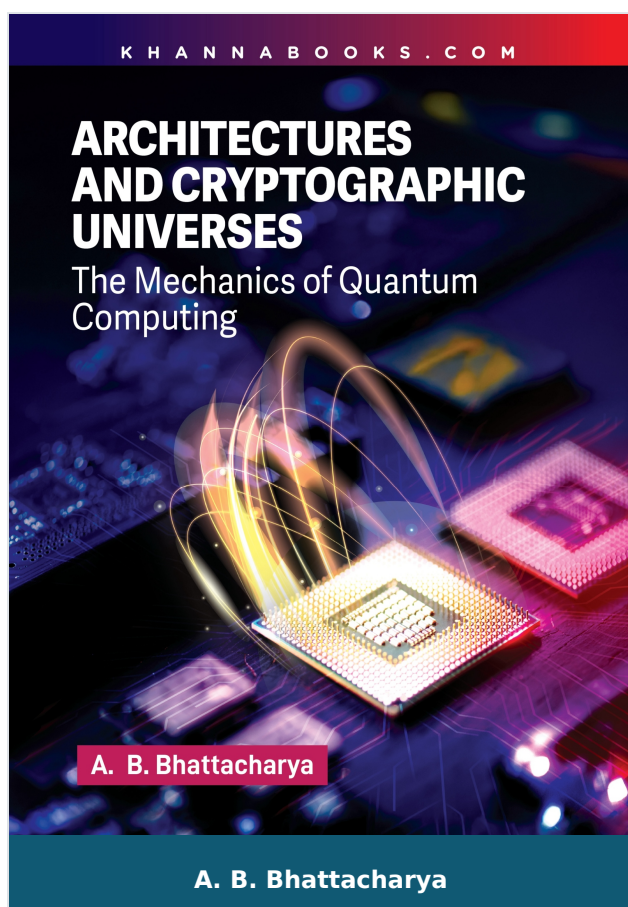
Product Description

Electronic Communication

Author

Vimal Bhatia

Dr. Vimal Bhatia Professor, Department of Electrical Engineering, Indian Institute of Technology Indore



Architectures And Cryptographic Universes (The Mechanics of Quantum Computing)

Author : A. B. Bhattacharya

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Categories : [New Arrivals, Emerging Technologies, Book Store](#)

Condition Type : New

Country Origin : India

Product Description

Architectures And Cryptographic Universes (The Mechanics of Quantum Computing)

From the basic designs of quantum computers to the latest advances in quantum security. "Architectures and Cryptographic Universes: The Mechanics of Quantum Computing" takes you on a complete journey through the world of quantum technology.

Whether you are a student, researcher, or professional in computing or physics, this book will help you understand and make the most of the exciting quantum revolution.

Salient Features:

Learn Ahead to the Future – Quantum Computing Survey

- **Learn the Hardware:** Discover how quantum computers actually work – from superconducting qubits and trapped ions to quantum dots and light-based systems – and understand the big challenges of stability and scalability.
- **Learn the Security revolution:** Step into Quantum Cryptography – explore real protocols like BB84, understand the No-Cloning Theorem, and see how quantum tech will change data protection forever.
- **Learn the Science in Action:** Experience how Quantum Simulation helps, design new materials and chemicals, and explore the future of Quantum Machine Learning, adiabatic, and topological computing.
- **Learn by Doing:** Get practical with tools like Google cirq, Microsoft QDK, and open-source simulators. Build your own circuits, run guided exercises, and even test on real quantum devices.
- **Learn the Challenges:** Understand the ongoing research in quantum error correction, cryogenic cooling, and scalable architectures – key steps toward powerful

quantum machines.

- **Learn the future:** Imagine what's next – Quantum Networks, the Quantum Internet, and hybrid systems where classical and quantum computing work hand in hand.

Each chapter Includes:

- Conceptual Breakdown
- Short Questions and MCQs
- Numerical Problems with Solutions
- Project Ideas with Guidance

Table Of Contents

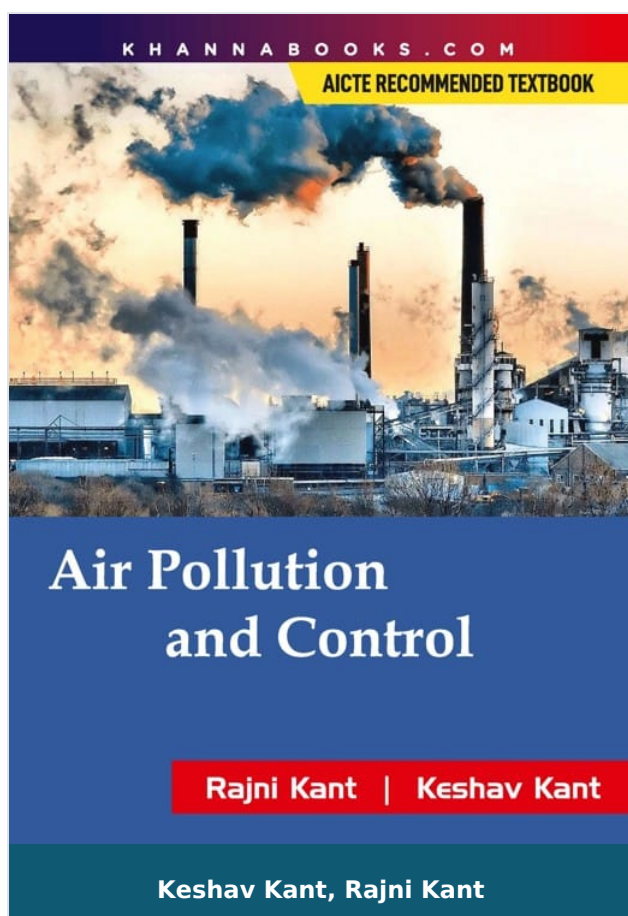
- Preface
- Acknowledgements
- QUANTUM COMPUTING ARCHITECTURES
- QUANTUM CRYPTOGRAPHY
- QUANTUM SIMULATION
- QUANTUM MACHINE LEARNING
- ADVANCED TOPICS IN QUANTUM COMPUTING MECHANICS
- CHALLENGES IN QUANTUM COMPUTING MECHANICS
- HANDS-ON WITH QUANTUM COMPUTING MECHANICS
- FUTURE OF QUANTUM COMPUTING MECHANICS

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



Air Pollution and Control

Author : Keshav Kant, Rajni Kant

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ISBN 10 : 9386173301

E-ISBN 13 : 978-93-86173-30-0

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Pages : 456

Type of book : Physical

Year : 2023

Language : English

Publisher : Khanna Publishing House

M.R.P : Rs 450.00

Categories : [Civil Engineering, UNIVERSITY RECOMMENDED, Civil Engineering, Book Store](#)

Condition Type : New

Country Origin : India

Product Description

This book provides a fully comprehensive, rigorous and refreshing treatment of 'Air Pollution and Control' covering present day technology and developments. It covers various new topics like bioaerosols or aeroallergens and hazardous air pollutants including diesel exhaust and dioxins.

The book is intended to meet the requirements of (a) Undergraduate and postgraduate students of particularly Environmental and Mechanical Engineering and also other branches of Engineering, (b) Technologists, designers, operation and maintenance engineers of industries, electrical power plants, heat and power utilities, (c) Aspirants for competitive examinations of IAS, IES, IFS, PCS, and aspirants for various state and private technical services, etc. and (d) General readers interested in the field for better understanding and knowledge.

The book is divided into 20 chapters and presents enormous information covering all aspects of Air Pollution in various sectors relevant to Indian conditions. Each of the following chapters is followed by questions at the end based upon the text.

Table Of Contents

- Chapter-1: Introduction
- Chapter-2: Sources of Air Pollution and their Ill-effects
- Chapter-3: Effects of meteorological Conditions on Air Pollution
- Chapter-4: Control of Emission of Suspended Particulate Matter in Coal Fired Thermal power Stations
- Chapter-5: Control of Oxides of Nitrogen in Combustion of Fossil fuels in Power Generation and Industries
- Chapter-6: Control of Emission of Oxides of sulphur by Absorption Systems Internal to Boilers
- Chapter-7: Control of Emission of Oxides of sulphur(SO_x) for Flue Gases of Boilers
- Chapter-8: Air Pollution from Industries and Their Control
- Chapter-9: Air Pollution in Petroleum Refineries
- Chapter-10: Control of Mercury Emission from Thermal Power Stations and Industries
- Chapter-11: Air Pollution by Nuclides / Radioactivity - Safety and Control
- Chapter-12: Air Pollution by Municipal Solid Wastes, Biomedical Wastes and E-Wastes and Their Control
- Chapter-13: Control of Air Pollution from Mobile Sources and Standards Applicable
- Chapter-14: Damage due to Air Pollution to Electronic / Electrical Equipments and protective Measures
- Chapter-15: Emission Limits Imposed by Indian regulations
- Chapter-16: Measurements of Air Pollutants
- Chapter-17: Control of Noise Pollution
- Chapter-18: Control of Odours
- Chapter-19: Environmental Impact Assessment for Projects
- Chapter-20: Miscellaneous Topics

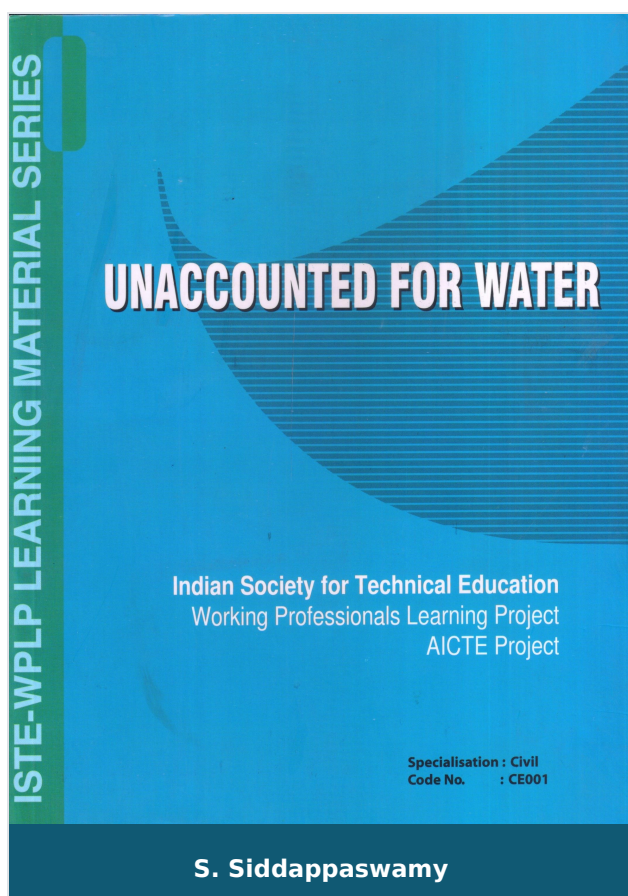
Author

Keshav Kant

Dr. Keshav Kant is a former Professor of Mechanical Engineering, I.I.T. Kanpur, who after superannuation from I.I.T. Kanpur in June 2005, served as professor and Head of Mechanical Engineering Department and later as the Director in a number of Private Engineering Colleges/ Institutes. He has three Monographs, five technical reports, 90 publications to his credit in National and International Journals and Proc. of National and International Conference.

Rajni Kant

Er. Rajni Kant, an Engineering Graduate from BHU in 1954, recieved an extensive training in the works of M/S Hitachi Ltd. Japan and also at large capacity power stations and projects of Georgia Power Company (USA). He has more than 50 years of experience to his credit in the aforesaid fields and has authored about 40 papers in various fields including Power Plant and Environmental Engineering which were published in National and International Journals and Proceeding of National and International Conferences.



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.

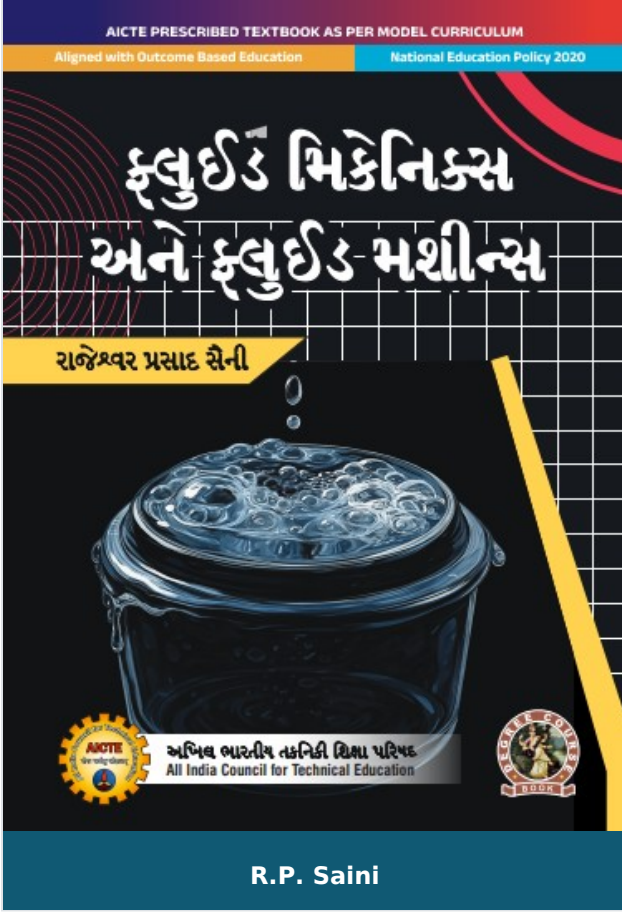
Table Of Contents

- S. Siddappaswamy
- S. Siddappaswamy

Author

S. Siddappaswamy

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



Fluid Mechanics & Fluid Machines

Author :	R.P. Saini
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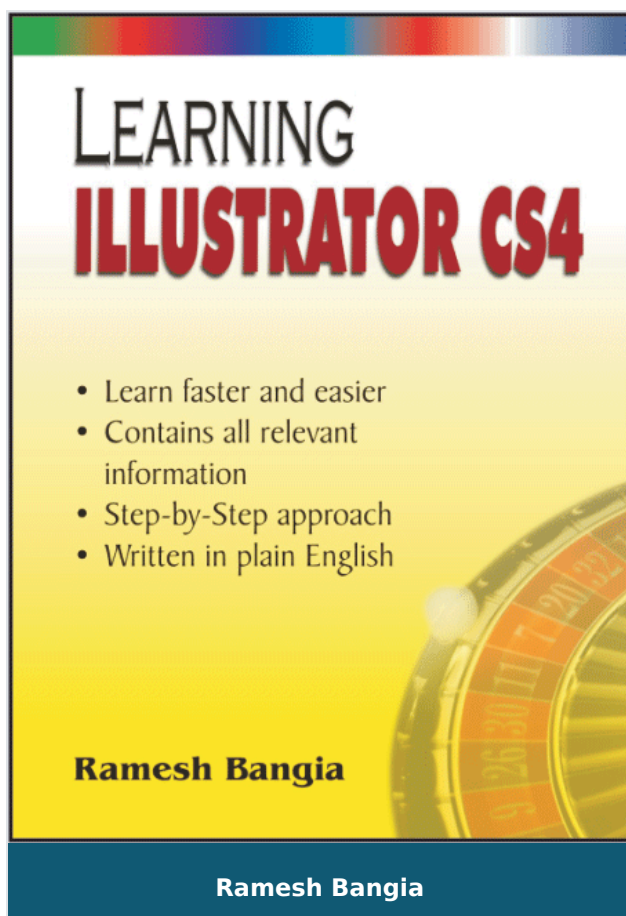
Product Description

Fluid Mechanics & Fluid Machines

Author

R.P. Saini

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



Learning Illustrator CS4

Author :	Ramesh Bangia
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Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 225.00
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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. Illustrator CS4 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.

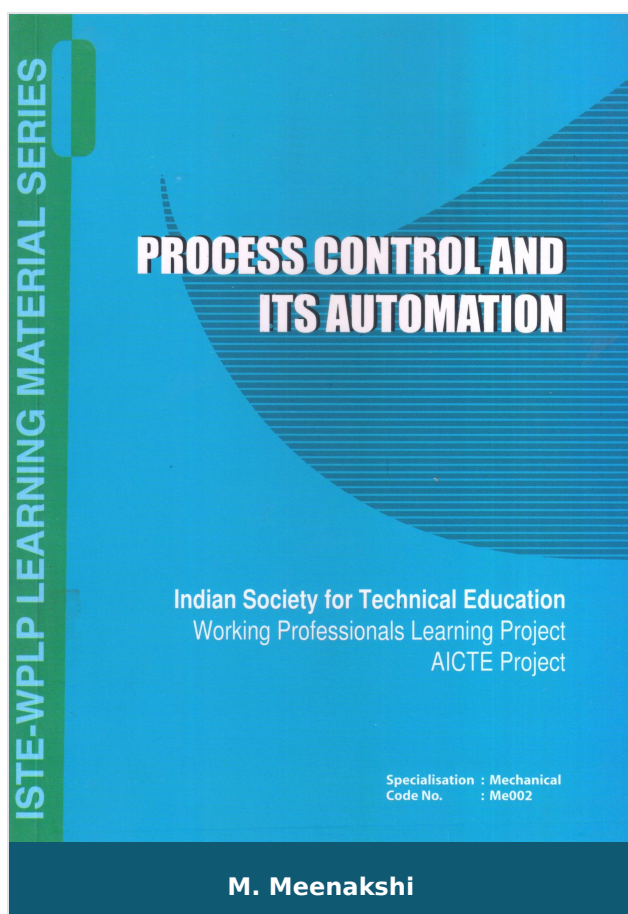
Table Of Contents

- Getting to know Illustrator CS 4
- Tools of Illustrator CS 4
- Handling text in Illustrator CS 4
- More Commands of Illustrator CS 4
- Keyword Shortcuts of Illustrator 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 East and African countries.



Process Control and ITS Automation

Author :	M. Meenakshi
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ISBN 10 :	9355382049
E-ISBN 13 :	978-93-55382-04-7
Edition :	1
Pages :	278
Type of book :	Physical
Year :	2009
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 389.00
Categories :	Civil Engineering, Book Store, ISTE Series
Condition Type :	New
Country Origin :	India

Product Description

A sound knowledge of the basic principle underlying any particular branch of engineering is fundamental to its practical application in industry and to its further development. A study of the elements of process dynamics and control now forms an essential part of the education of the chemical and process engineer and is of value also the students in allied fields of fluid process technology.

Process control technology has demonstrated great through the years. Today, the study of process control systems or automation in various engineering institutes and universities is confined to the theoretical aspects, which can hardly be applied to the real world problems. While focusing on the fundamentals, this book reflects the current advances in the technology associated with the process control, hence useful to the students or practicing engineers when they are faced with practical problems.

The main objective of this book is to impart solid application oriented knowledge of the technology spanning the industrial control field. This technology includes control instrumentation, and some specified systems like programmable logic controllers etc. The treatment of programmable logic controllers has also been expanded to reflect how this technology has increased its application based in modern industry. It also incorporates distributed digital control, which is an important field in all industrial control applications. This book also describes intelligent controllers covering model based controllers, fuzzy controllers and neuro controllers.

The book introduced the subject of automation, its historical development, basic functions and current trends.

Table Of Contents

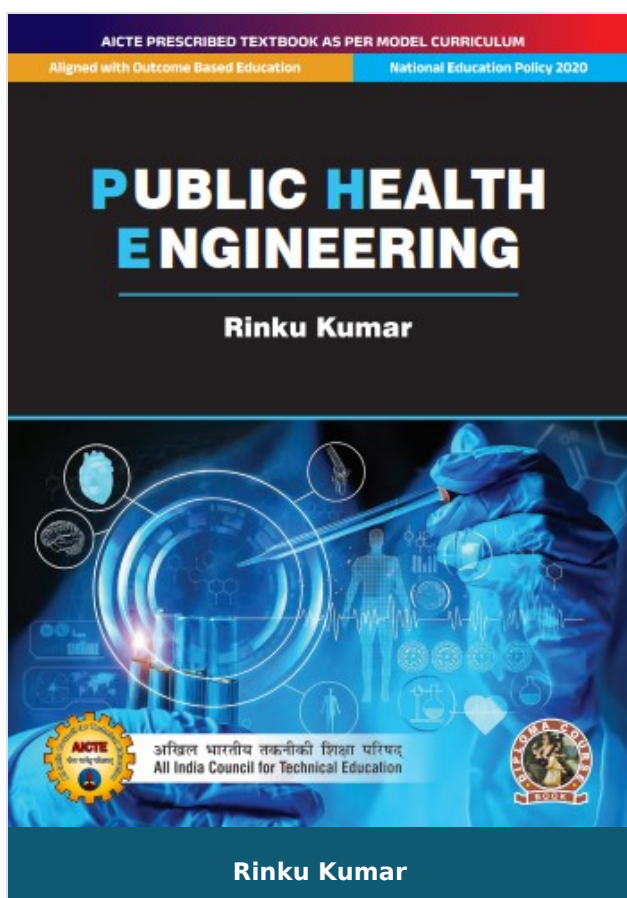
- FOREWORD
- PREFACE
- Introduction
- Fundamentals of Closed Loop Control Technology
- Controller Tuning Methods
- Compensator Design in The Frequency Domain
- Components of Control Loops and Isa Terminology
- Programmable Logic Controllers and Industrial Automation
- Distributed Digital Control
- Intelligent Controllers
- Plant Parameter Estimation Theory
- REFERENCES

Author

M. Meenakshi

Dr. M. Meenakshi is currently working as Professor and Head of the department of Instrumentation Technology, Dr. Ambedkar Institute Technology, Bangalore. She received B.E. degree in instrumentation Technology from S.J.C.E. Mysore, Mysore University, M. Tech degree in Electrical engineering, specialized in controls, guidance and instrumentation from I.I.T Madras and Ph.D form Aerospace Engineering Department, I.I.Sc Bangalore. She has teaching experience of around 21 years and published over 20 national conferences. She has presented several invitee lectures in various seminars and workshops. She has guided large number of students in their project works leading to B.E, M.Tech degrees. She has particulated in formulation of syllabi and curricula of several

universities.



Public Health Engineering

Author : Rinku Kumar

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M.R.P : Rs 348.00

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[English Books, Book Store](#)

Condition Type : New

Country Origin : India

Product Description

Public Health Engineering

This book familiarizes the students with the basics of public health engineering. The main aim of this book is to provide conceptual knowledge of techniques and processes for selecting water sources for domestic purpose and different treatment process related to treatment of sewage. These knowledge helps in deciding the water requirement of town or city. The main context of this book is aligned with the model curriculum of AICTE followed by the concept of outcome-based education according to the National Education Policy (NEP)2020.

Salient Features:

- The content of the book is aligned with the mapping of course outcomes, program outcomes and unit outcomes.
- At the beginning of each unit, unit outcomes are provided to help the students understand what is expected of them after completing the unit.
- The book consists of a lot of information about the sources of water for supply in town and make it easier to understand different sources to the students.
- The practical problems related to forecasting of population are discussed to enhance the understanding of the design period of different treatment units helps the field engineers.
- Different sewage techniques are discussed in details which helps the environmental engineering in deciding particular techniques based on characteristics of sewage.
- Some information about the latest IS code is also shared.
- QR codes are given in the book to access advanced information about the different topics.

- Solved numerical problems, short-answer, long-answer, and multiple-choice questions (MCQs) are given for practice at the end of each unit.

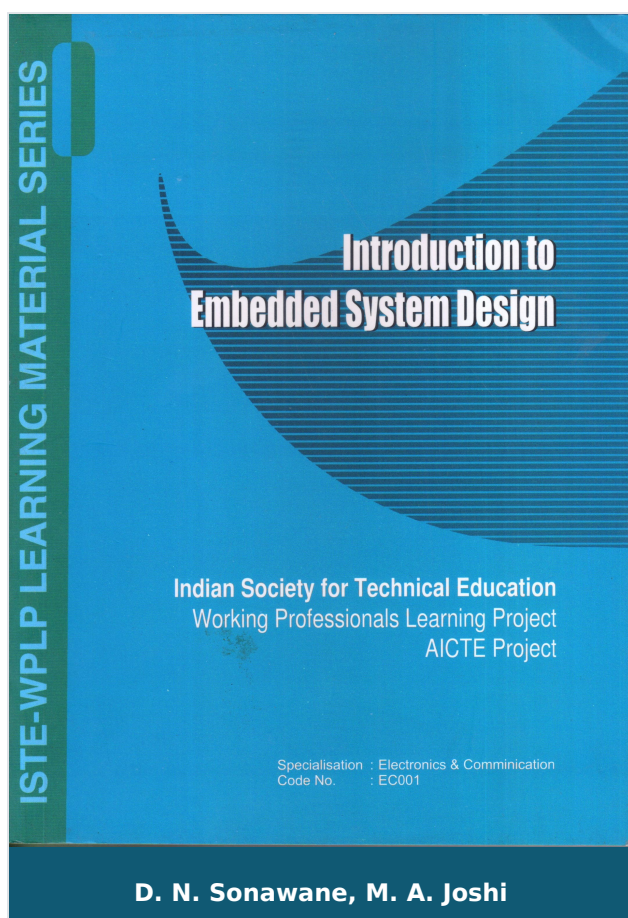
Table Of Contents

- Foreword
- Dedication
- Acknowledgement
- Preface
- Outcome Based Education
- Course Outcomes
- Guidelines for Teachers
- Guidelines for Students
- Abbreviations and Symbols
- List of Figures
- List of Tables
- Sources, Demand and Quality of Water
- Purification of Water
- Conveyance and Distribution of Water
- Domestic Sewage and System of Sewerages
- Characteristics and Treatment of Sewage
- References For Further Learning
- CO And PO Attainment Table
- Index

Author

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Introduction to Embedded System Design

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Product Description

This course material is a result of the dedication and encouragement of many individuals. Our sincere and heartfelt appreciation goes to all of them.

We are deeply indebted to Dr. B. S. Sonde, Ex.Vice Chancellor Goa University, who initially motivated and guided us for this work.

We also take this opportunity to thank our colleagues and students for their helpful suggestions during the course of this project.

The Teaching materials covers 14 chapters, 11 for Embedded systems part and 3 for Digital Signal Processing. Every slide gives points for teaching the contents accompanied by foot notes.

Embedded systems is a state of art subject having a number of Industrial applications. Starting from the basics of microcontrollers to real time operation and interfaces are the important topics covered. Digital signal processing is a subject, which deals with processing of signals. DSP processors can perform special signal processing functions in a fast and efficient manner.

It is essential to study the architecture of these processors and some basics of Signal processing.

We are sure that this material will definitely be useful as a teaching material for the teachers and new engineers in this field.

Table Of Contents

- FOREWORD
- PREFACE
- ABOUT THE AUTHORS
- Overview of Embedded System Design
- Architecture of MCS-51 Family Microcontroller
- MCS-51 On-chip Peripherals: Timers/ Counters
- MCS-51 On-chip Peripherals: Serial Communication
- MCS-51: Interrupts
- Real Time Interfaces with MCS-51: ADC, DAC (Parallel)
- Display Devices: 7- segment LED and LCD Interfacing
- Embedded System Design Using PIC 16FX series
- PIC 16FX Series Microcontrollers: Timers/ Controllers
- PIC 16FX Series Microcontrollers: PWM/CCP Module
- PIC 16FX Series Microcontrollers: ADC, USART Module
- Overview of Digital Signal Processing
- DSP Fundamentals: DFT and FFT
- Architecture of TMS 320XX Series DSP

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