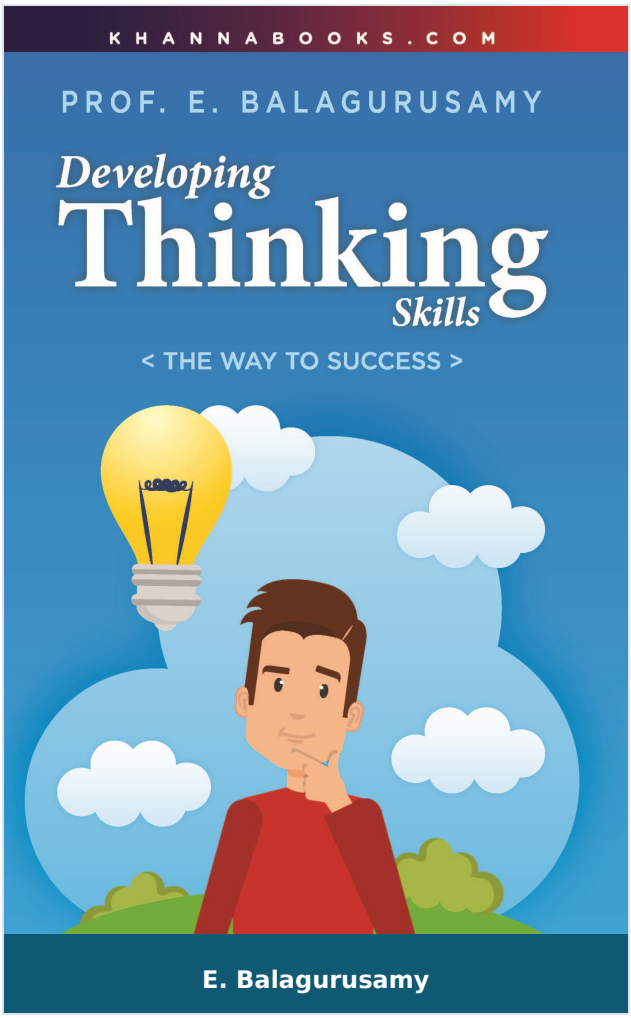


Developing Thinking Skills (The Way to Success)

Author :	E. Balagurusamy
ISBN 13 :	978-93-90779-08-6
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Product Description

Industries and business around the world are changing very fast as they are constantly disrupted with new technologies, new ideas and new approaches. It is therefore imperative for students to learn to manage the change that will inundate their lives. World organizations like world Economic Forum (WEF), International labor Organization (ILO), Organization for Economic Cooperation and Development (OECD) and International Society for Technology Development (ISTE) have recommended a number of skills that the 21st century youth must possess in order to succeed in their professional and personal lives. They include, among others, the following 7C thinking skills:

1. Creative Thinking

2. Critical Thinking

3. Computational Thinking

4. Competitive Thinking

5. Comprehensive Thinking

6. Communicative Thinking

7. Collaborative Thinking

This book is all about developing these skills among the readers. The book comprehensively covers all major aspects of thinking. It presents in a simple and lucid manner concepts, models, analysis and applications of various thinking styles. Wherever necessary, pictorial representations of concepts and models are provided to facilitate easy grasping and better understanding of the concepts discussed. This book focuses on “how to think rather than what to think”. Successful thinking is a mindset that enables us to reach our full potential and provides us with the mental discipline to create and achieve positive outcomes. By mastering thinking skills, we can learn how to think

differently and to solve problems at multiple levels of depth.

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Author

E. Balagurusamy

E. Balagurusamy 1- Prof. E. Balagurusamy is currently the Chairman of EBG Foundation, Coimbatore. He served as a Member of High-Level Committee on School Education of Tamil Nadu Government and Chairman of Committee for Development of Text Books on Science and Technology in Higher Education. He also served as a member (Education). Planning Commission of Tamil Nadu Government. He was earlier a Member of Union Public Service Commission and Chairman of Consortium for Educational Communications, New Delhi and Vice Chancellor of Anna University, Chennai, the largest technical

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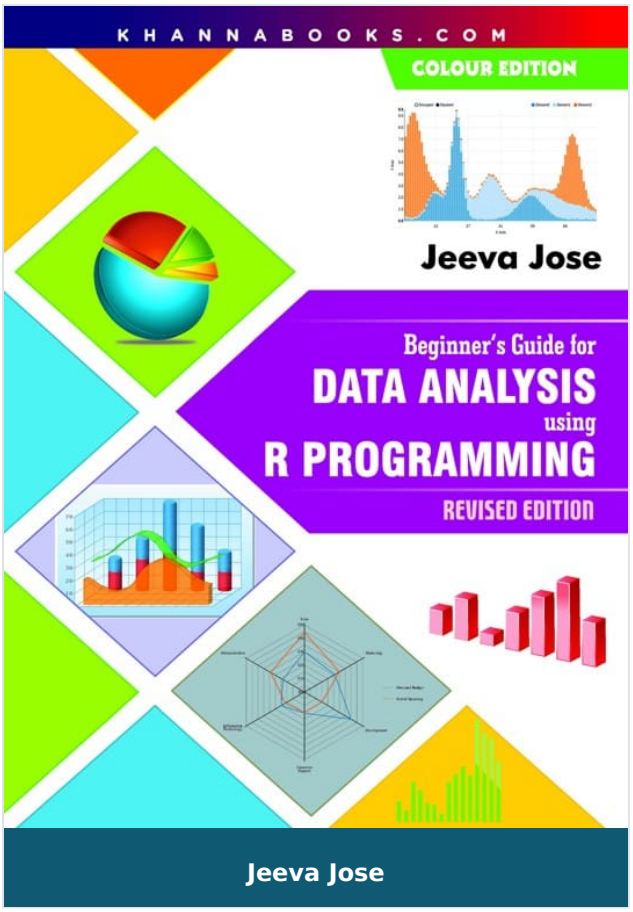
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university in India. A prolific writer, he has authored more than 40 Books on IT and Computer, many of them are being prescribed as texts in Universities and Colleges throughout India. Some of his books have been translated into Mandarin, Spanish, Korean and Russian Languages. Prof. Balagurusamy, an ethical leader, philanthropist and recipient of numerous awards and honors, has established EBG Foundation, a Charitable Trust, to serve the socially and economically deprived sections of the society. His biography “Nermaiyin Payanam” (A Journey of Honesty) was released by Mrs. Nirmala Sitharaman, Hon’ble Minister of Finance, Government of India November,2019. He hold an ME(Hons) in Electrical Engineering, PhD in Systems Engineering, both from IIT, Roorkee and a Diploma in Education from U.K.

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Beginner's Guide for Data Analysis using R Programming

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Product Description

R programming is an efficient tool for statistical analysis of data. Data science has become critical to each field and the popularity of R is skyrocketing. Organization as large and diverse as Google, Facebook, Microsoft, Bank of America, Ford Motor Company, Mozilla, Thomas Cook, The New York Times, The National Weather Service, Twitter, ANZ Bank, Uber, Airbnb etc. have turned to R for reporting, analyzing and visualization of data, this book is for students and professionals of Mathematics, Statistics, Physics, Chemistry, Biology, Social Science and Medicine, Business, Engineering, Software, Information Technology, Sales, Bio Informatics, Pharmacy and any one, where data needs to be analyzed and represented graphically.

Salient features of the book:

1. Explains R concept in a simple method.

2. Best self-study material and reference guide.

3. Teaches how to apply various statistical methods to data science.

4. Help statistician and professional to leverage strength by combining their domain expertise with data analysis capability of R.

5. More than 300 solved and tested program provided.

6. A comprehensive book covering all areas of R in detail.

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- Functions and Packages
- Charts and Graphs
- Connecting R to External Interfaces
- Elementary Statistics
- Tests of Hypotheses
- Non Parametric Tests
- Analysis of Variance
- Basic Multivariate & Analysis
- Advanced Multivariate Analysis
- Advanced Graphs

Author

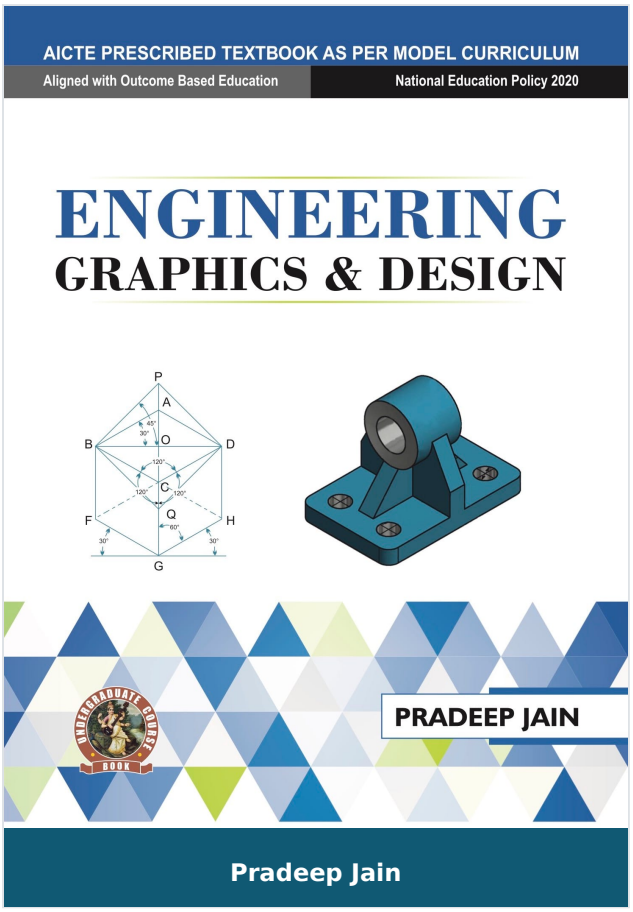
Jeeva Jose

Dr. Jeeva Jose completed Ph. D. in Computer Science from Mahatma Gandhi University, Kerala, India and is a faculty member at BPC College, Kerala. Her passion is teaching and areas of interests include world wide web, Data Mining and Cyber laws. She has been in higher education for the last 15 years and has completed three research projects funded by UGC and KSCSTE. She has published more than twenty research papers in various refereed journals and conference proceedings. She has edited three books and has given many invited talks in various conferences. She is a recipient of ACM-W Scholarship provided by Association for Computing Machinery, New York.

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Engineering Graphics & Design

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Condition Type :	New
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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.

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- Orthographic Projection
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- Sectional Views of Solids
- Isometric Projection
- Overview of Computer Graphics
- Customisation &CAD
- Annotation Layers and 3D Modelling
- Projects
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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.

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Parveen A.

Blockchain Design & Use Cases

Author :	Parveen A.
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Product Description

Blockchain Design & Use Cases

“BLOCKCHAIN DESIGN & USE CASES" is a comprehensive and expertly structured guide designed to equip readers with a mastery of the transformative technology that is blockchain. This book bridges theoretical concepts with practical use cases, highlighting blockchain's immense potential to revolutionize industries by ensuring transparency, security, and decentralization. The journey begins with foundational principles, tracing the evolution from digital money to Distributed Ledger Technology (DLT) and detailing key design primitives such as cryptographic hashing, digital signatures, and consensus mechanisms.

The core purpose is to provide readers with actionable knowledge, moving beyond mere theory to practical application. The text offers an in-depth focus on the enterprise-grade platform Hyperledger Fabric, covering its components, chaincode development, and the decomposition of its consensus process. Furthermore, it provides extensive coverage of real-world scenarios across critical sectors, including financial systems (settlements, KYC, capital markets), supply chain management (provenance, trade finance), and government use cases (digital identity, land records).

Targeted at a diverse audience, including students, developers, researchers, and business leaders alike, this text serves as both a detailed academic resource and a practical gateway for innovation. With thoughtfully designed exercises, summaries, and additional resources at the end of each unit, this book ensures readers are well-prepared to navigate, contribute to, and leverage the rapidly evolving blockchain ecosystem for the future.

Salient Features:

- **Foundational Concepts**: Begins with a strong base, covering the evolution from digital money to DLT, basic crypto primitives, and fundamental blockchain architecture.
- **Consensus Protocols**: Explores the requirements, scalability challenges, and specific mechanisms like Proof of Work (PoW) and those designed for permissioned blockchain networks.
- **Hyperledger Fabric**: Provides an in-depth analysis of this key enterprise framework, detailing its components, consensus decomposition, and chaincode design and implementation.
- **Finance Applications**: Dedicated coverage of blockchain use in financial systems for streamlining settlements, automating KYC/AML, and digitizing capital markets.
- **Supply Chain Focus**: Details practical applications in trade/supply chain, focusing on ensuring goods' provenance, supply chain finance, and invoice management and discounting.
- **Government Use Cases**: Investigates transformative public sector applications, including digital identity management, land records, and secure implementation in public distribution systems.
- **Security & Privacy**: Discusses advanced cryptographic primitives, permissions, and contemporary privacy measures like Zero-Knowledge Proofs to secure data on the ledger.
- **Pedagogical Tools**: Each unit is reinforced with solved problems (Beginner to Advanced), exercises, summaries, and "Teacher's Know More" sections for comprehensive learning.

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- Introduction to blockchain
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- Hyperledger fabric
- Use cases 1 & 2
- Use case 3

Author

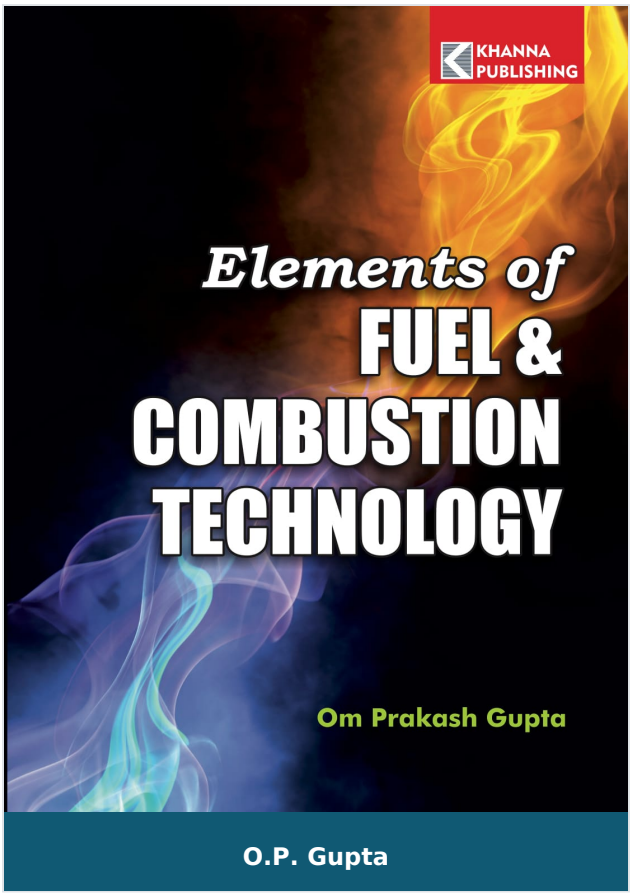
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Parveen A. , Associate Professor, Dept of CSE, Sathyabhama Institute of Science and Technology R. Nivedha, Associate Professor, Dept of CSE, Sathyabhama Institute of Science and Technology

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Elements of Fuel & Combustion Technology

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Product Description

This book contains detailed description of solid, liquid, gaseous fuels, combustion and furnaces. Beside short questions and answers and multiple choice questions & answers and multiple choice questions; answers drawn from the examination papers of various engineering Colleges and professional bodies examinations are also included.

The book will be useful for degree & diploma curriculum of various branches of Engineering and for various associate membership examinations conducted by professional bodies like Institution of Engineers (AMIE), Indian Institute of Metals(AMIIM), Indian Institute of Chemical Engineers(AMIICHE), Institute of Chemicals etc.

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- Coal Tar Fuels (C.T.F)
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- Appendix-C: Multi-Choice Questions and Answers Fuel and Combustion Technology
- Appendix-D:Glossary of terms related to Fuels and Combustion Technology

Author

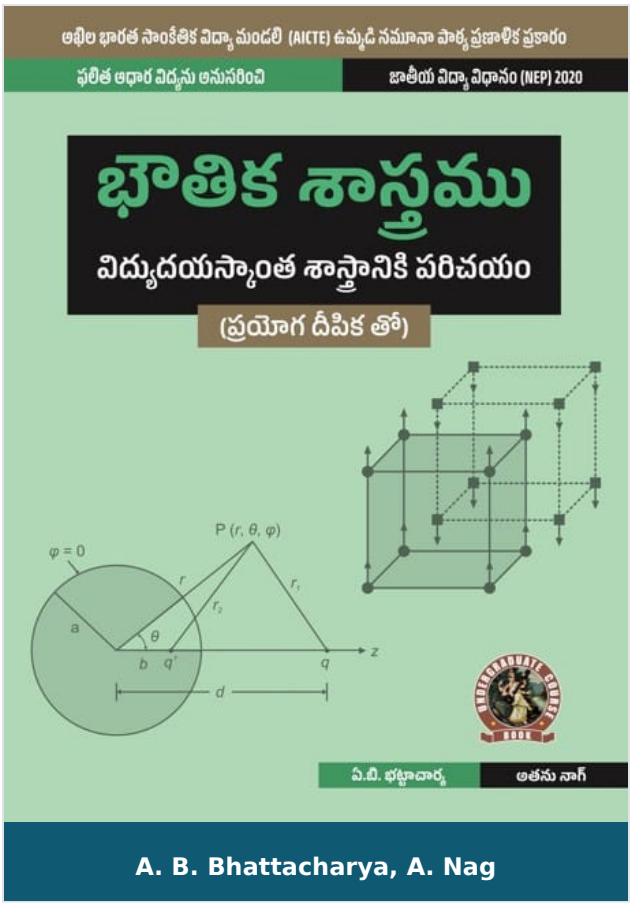
O.P. Gupta

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.

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A. B. Bhattacharya, A. Nag

Physics (Introduction to Electromagnetic Theory) with Lab Manual

Author :	A. B. Bhattacharya, A. Nag
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Product Description

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

Some Salient Features of the Book:

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

2. 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.

3. Some essential information for the users under the heading “know More” for clarifying some basic

4. Information as well as comprehensive synopsis of formulae for a quick revision of the basic principles.

5. 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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Author

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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

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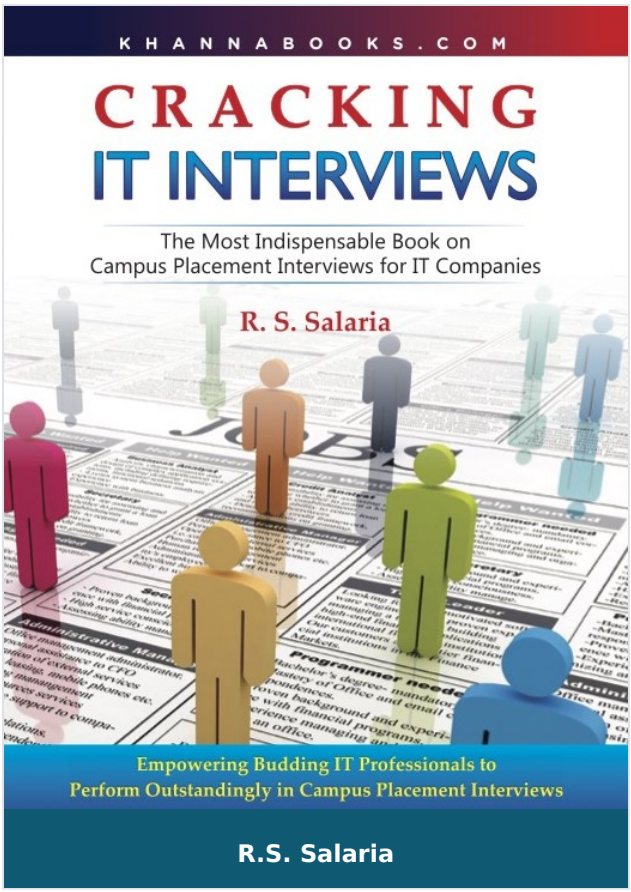
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A. Nag Dr. Atanu Nag did his M. Sc. in 2007 and Ph. D. in 2013 from the University of Kalyani. He has published over 50 Journal papers and 5 books for Science & Engineering students. Presently he is the Head and Associate Professor in the Department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

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Cracking IT Interviews

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Product Description

It is a dream of every budding engineer to make it big in the corporate IT world. This book is designed to guide and empower the budding engineers to achieve their much cherished dream. Since it is the interview process where the employability of the budding engineer is judged, therefore, keeping this aspect in mind, the first chapter is designed to guide the budding engineer to the most basic aspects of the interview process, and how meticulously they should plan and prepare for the interview.

Further, majority of the IT companies don't expect that the budding engineers should be well equipped with the advanced techniques/technologies, but must have strong foundation in the basics and concepts of the concerned subjects. In addition, they should be able to demonstrate the burning desire to excel and passion to learn. keeping these aspects in mind, subsequent six chapters are designed to impart basic knowledge of the important topics through frequently asked questions in each topic.

Any budding engineer, who can master about 70-75% questions covered in the book can crack technical round of any IT company with a bang.

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- Basic Computer Concepts
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Author

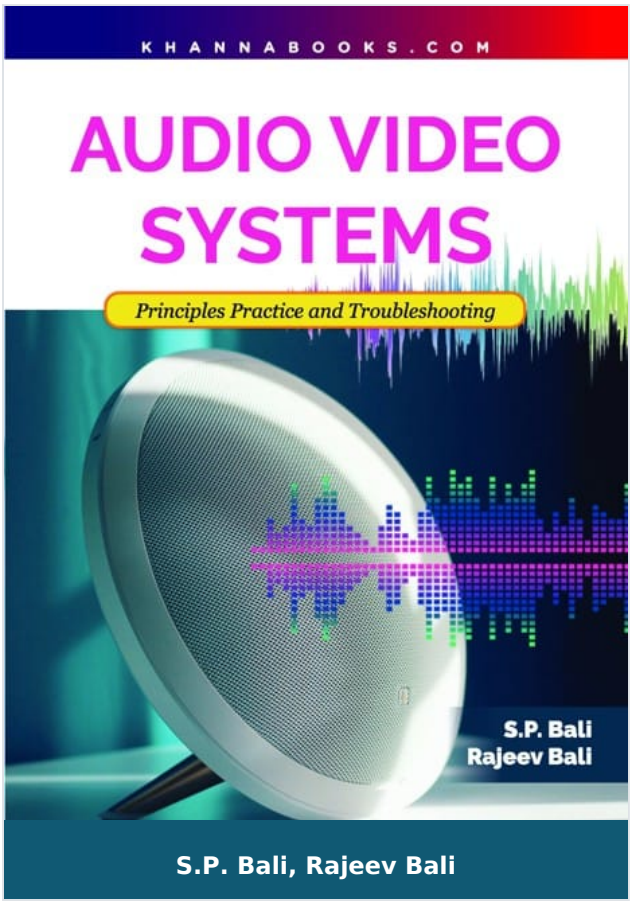
R.S. Salaria

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

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S.P. Bali, Rajeev Bali

Audio Video Systems

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Product Description

Comprehensive coverage of audio systems. Illustrated method of treatment-Illustration intended to bring home an idea and to be build understanding step by step. Operation, tuning and setting up procedures of components are explained in detail. Ample conventional questions, objective type and fill in the blanks are included. confirms to syllabus of various universities.

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- Theatre Sound System
- Video Systems
- The Philosophy of Troubleshooting
- Preventive Maintenaqnce
- Acoustical Measurements
- Performance Tests
- Troubleshooting Procedures
- Index

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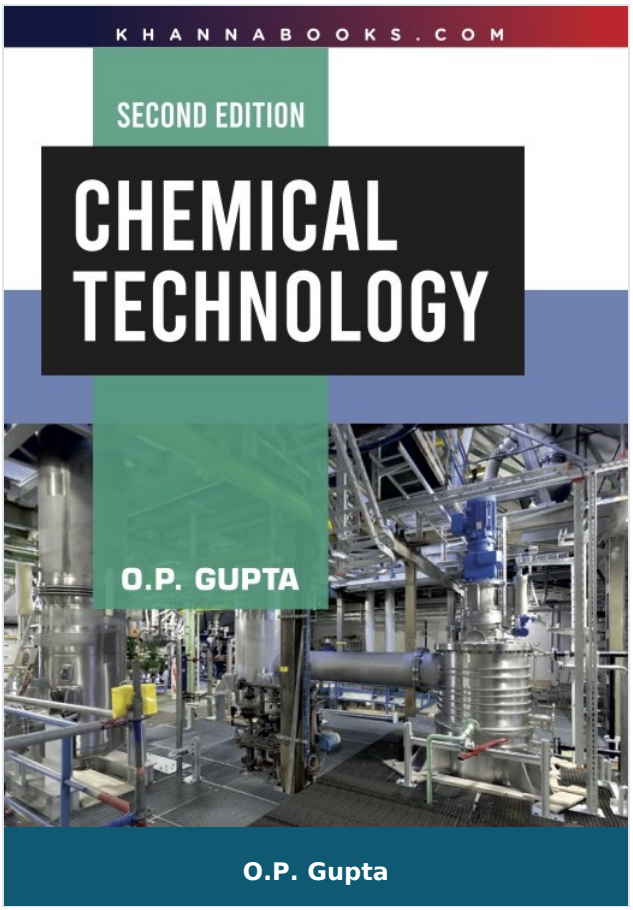
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- Chapter-5: Glass and Ceramics
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- Chapter-15: Multiple choice Questions & Answers on Chemical Process Technology

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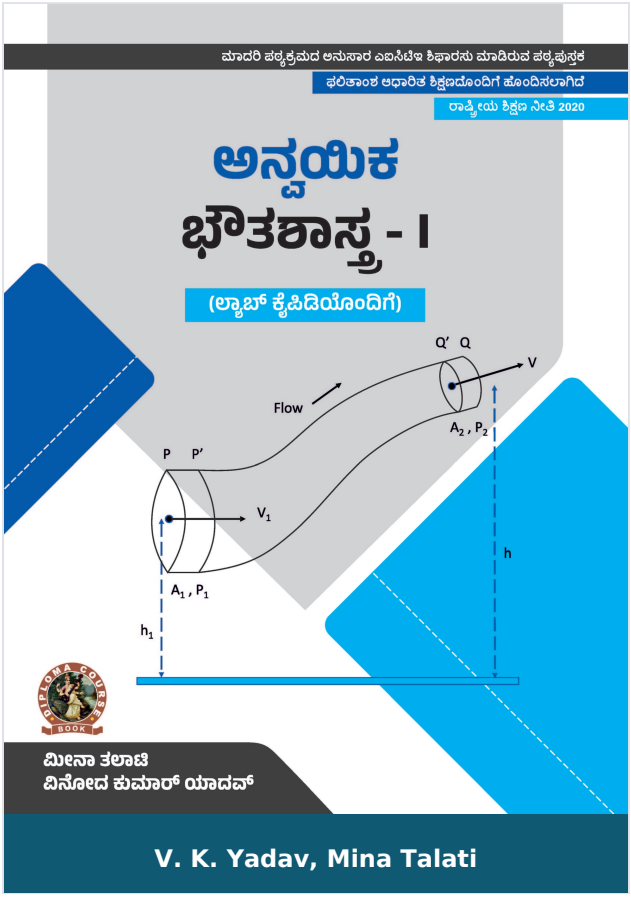
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(Technical), he has also visited england and france on a study tour sponsored by United Nations Development Programme (UNDP) to study the scope of energy conservation in steel plants in 1987.

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Applied Physics-I (with Lab Manual)

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“Applied Physic-l” 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.

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Author

V. K. Yadav

V. K. Yadav

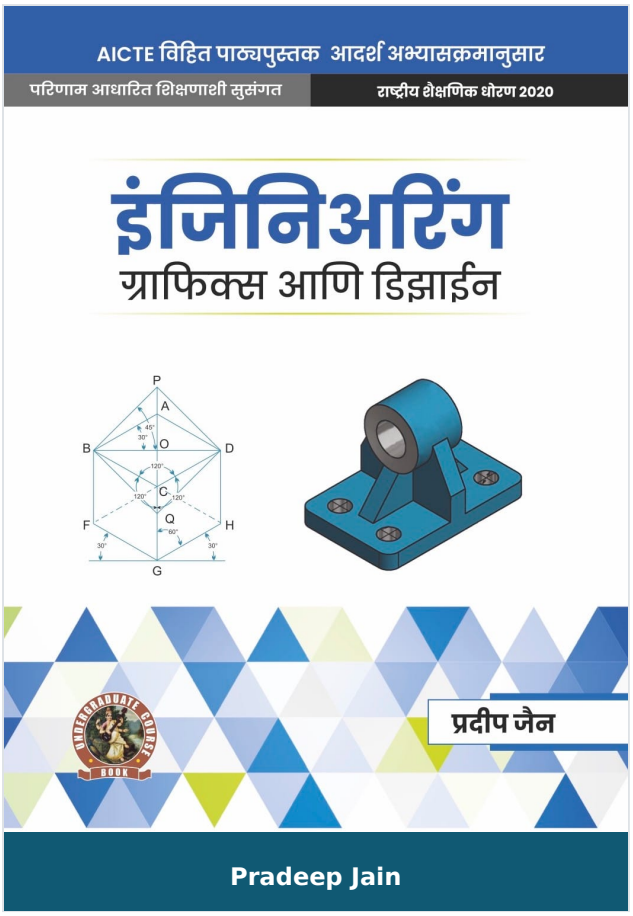
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Engineering Graphics & Design

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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.

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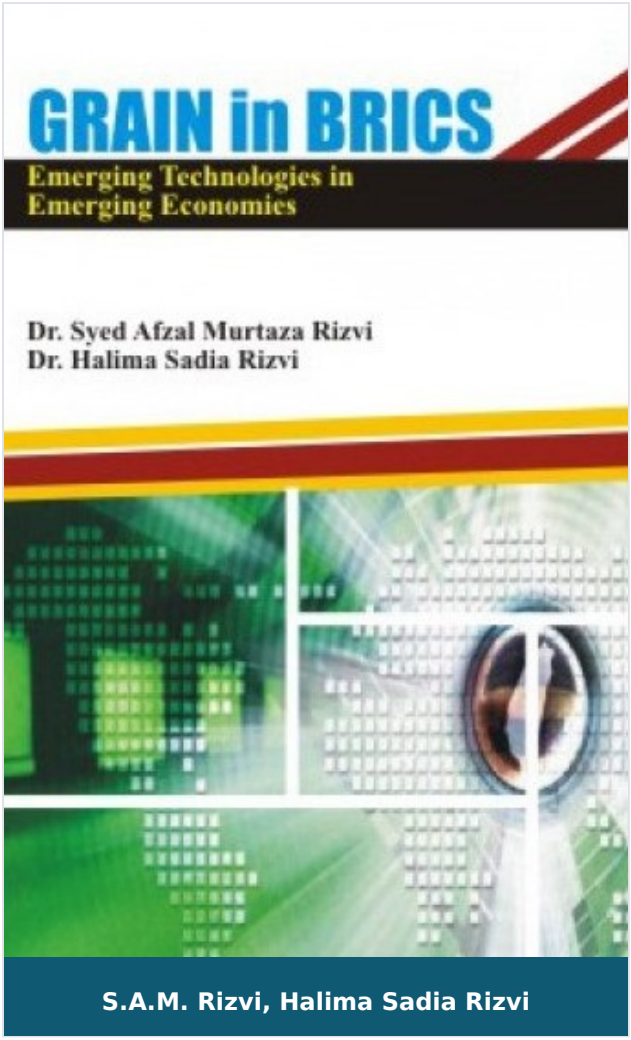
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GRAIN in BRICS

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In its popular saying 'life's battle do not go to the strongest or the fastest man, soon or late the man who wins is the one who who thinks he can. The idea of doing (think, and can) has been instrumental not only to individuals but also to nations as well. The book advocates that the national employing effectively emerging technologies (GRAIN) will lead to emerging economics (BRICS). Besides GRAIN in BRICS also inherits a huge bundle of culture, civilization, natural resources and work ethics explaining how the proper utilization of the emerging strong economic development. The book intimately looks these finer aspects of human development, the power of ideas, the introduction of the innovative technologies, their application, the utilization of resources, the difficulties faced and the challenges overcome by them and the entire process of slow and steady move towards the goal. This book is a useful ready study and reference material not only to the students of economics and management but to all those pursuing their studies in various technical knowledge as well, Its a readers delight to obtain an encyclopedia of information at one go.

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of Various Universities and Engineering Colleges.

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