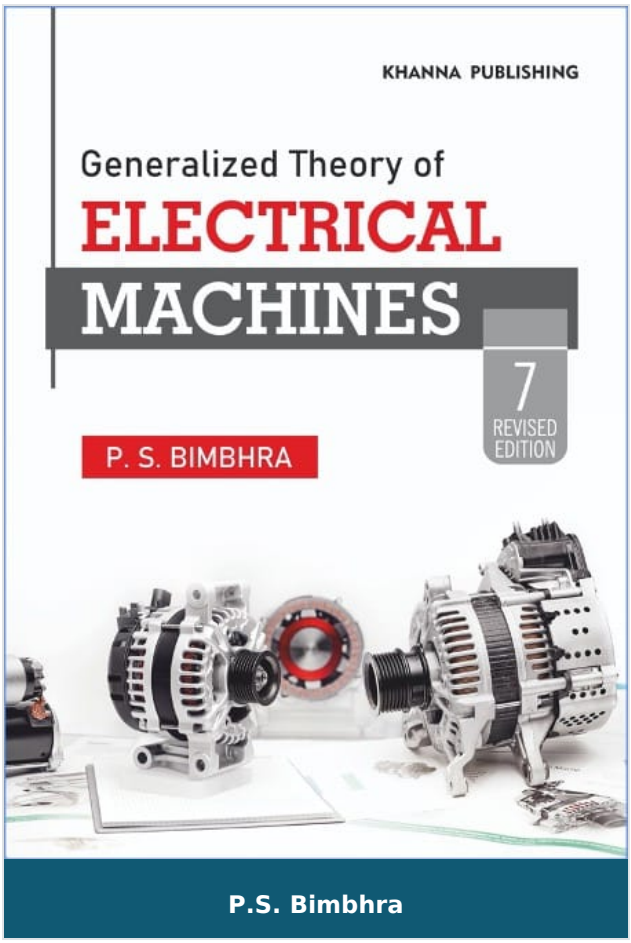


Generalized Theory of Electrical Machines

Author :	P.S. Bimbhra
ISBN 13 :	978-93-91505-08-0
ISBN 10 :	9391505082
E-ISBN 13 :	978-93-91505-08-0
Edition :	Seventh Revised
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Product Description

This textbook “Generalized Theory of Electrical Machines” is based on the latest syllabus of the Universities and Educational Institutes. In this edition, some materials of the book has been rewritten so as to make the presentation easily comprehensible. More illustrative examples mainly from IAS, IES and GATE and other competitive examinations have been added and problems material with answers, at the end of each chapter, has been considerably enlarged.

Salient Features:

1. Elements of Generalized Theory
2. Linear Transformations in Machines
3. D.C. Machines
4. Polyphase Synchronous Machines
5. Polyphase Induction Machines
6. Single Phase Motors
7. A.C. Commutator Machines
8. Transformers
9. Special Machines
10. Appendices
11. References

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- SINGLE PHASE MOTORS
- A.C. COMMUTATOR MACHINES
- TRANSFORMERS
- SPECIAL MACHINES
- APPENDIX
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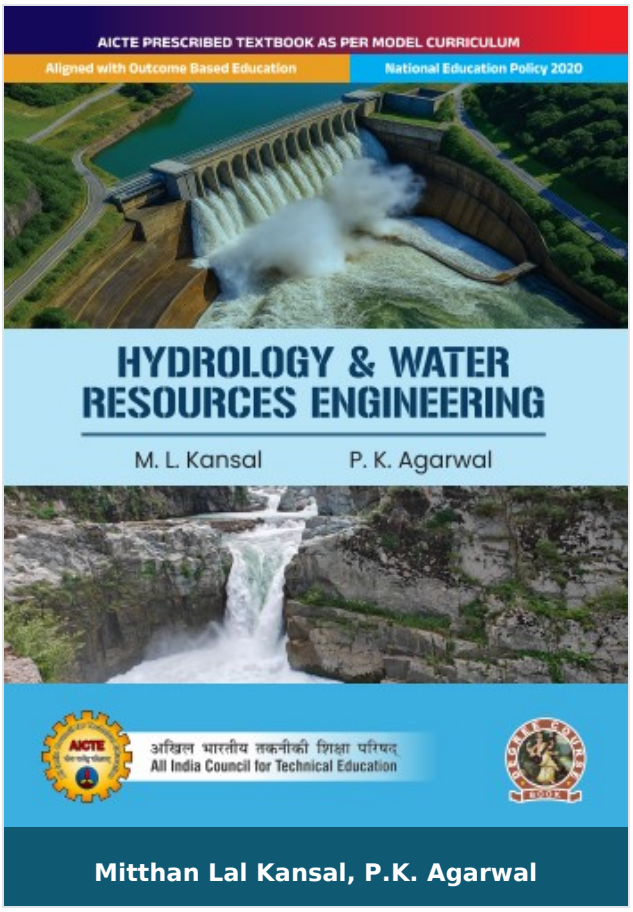
P.S. Bimbhra

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.

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Hydrology & Water Resources Engineering

Author :	Mitthan Lal Kansal, P.K. Agarwal
ISBN 13 :	978-93-55385-55-0
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Edition :	First
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Publisher :	Khanna Publishing House
M.R.P :	Rs 899.00
Categories :	AICTE Prescribed Textbooks, English Books, Book Store
Condition Type :	New
Country Origin :	India

Product Description

Hydrology & Water Resources Engineering

This textbook on Hydrology and Water Resources is designed as per the new syllabus prescribed by the AICTE The book covers all aspects of the hydrological cycle like precipitation and its abstraction, surface runoff, subsurface water, well hydrology, dams and spillways, water withdrawals, uses, and the distribution systems The book is a complete resource with wide range of concepts that emphasise on learning through basic concepts and practical problems This meets the requirements of an undergraduate degree program of Civil Engineering in India

Salient features:

- The program, course, and unit results are mapped out in the book’s content.
- The book provides comprehensive information on the related topics.
- Subject material has been prepared keeping in mind the teachers and the students A balance of theory, numerical, and the practical aspects are maintained in a chronological order.
- Equations, tables, and figures are added to make the topics easier to understand.
- After every chapter, revision questions are provided to practice.
- Systematic steps are utilized to solve both solved and unresolved problems, such as numerical examples.
- The book ends with a list of references that a reader can refer for further advance knowledge on various topics.

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Author

Mitthan Lal Kansal

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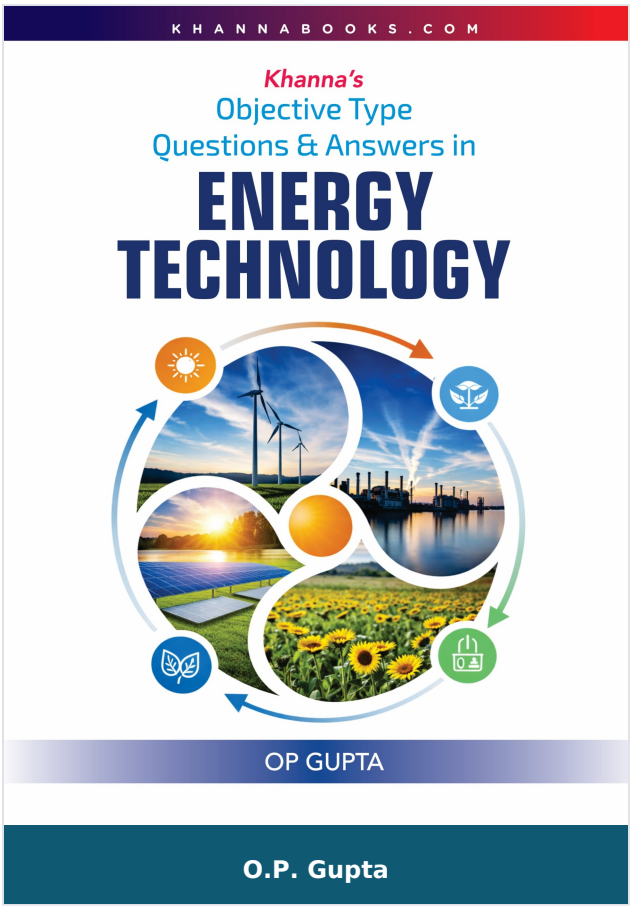
P.K. Agarwal

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Khanna's Objective Type Questions & Answers in Energy Technology

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

Product Description

Objective Type Questions and Answers in Energy Technology is a comprehensive academic resource designed to bridge the gap between theoretical knowledge and practical application in the field of energy. Authored by Om Prakash Gupta, a veteran professional with extensive experience at the Bokaro Steel Plant, the book serves as an essential guide for mastering the complexities of energy systems, fuels, and conservation. Its core theme revolves around providing a structured approach to understanding both conventional and renewable energy technologies through a vast collection of multiple-choice and short-answer questions.

The book's primary purpose is to assist students and professionals in preparing for high-stakes examinations, covering a diverse array of topics from thermal power generation and industrial boilers to cutting-edge renewable sources like solar, wind, and nuclear fusion. It is specifically tailored for diploma, degree, and postgraduate engineering students, as well as candidates appearing for professional membership examinations such as AMIE, AMIIM, and AMIICHE. Additionally, it serves as a valuable reference for aspiring Energy Managers and Auditors preparing for Bureau of Energy Efficiency (BEE) certifications. With its clear explanations and wide-reaching scope, this book offers immense practical value for anyone looking to excel in the energy sector.

Salient Features

• Exhaustive Topic Coverage: The book spans 33 comprehensive chapters, covering everything from basic energy scenarios and combustion technology to advanced topics like Magneto Hydro Dynamic (MHD) generators.

• Dual-Section Format: The content is strategically divided into Section A, featuring extensive objective-type questions for rapid self-assessment, and Section B, providing detailed short-answer responses.

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• Professional Exam Alignment: Content is specifically curated to meet the syllabi requirements of competitive engineering exams and professional certifications like the BEE Energy Auditor examination.

• Renewable Energy Focus: Detailed sections are dedicated to the latest developments in solar, wind, ocean, geothermal, and biomass energy, reflecting modern shifts toward sustainability.

• Industrial Utility Insights: Includes practical knowledge on industrial components such as furnaces, refractories, compressed air systems, and cooling towers, essential for field professionals.

• Energy Audit Emphasis: Provides specialized questions on energy conservation and auditing, helping readers understand the regulatory and practical frameworks of energy management.

• Practical Problem Solving: Features worked-out calculations for critical metrics like specific energy consumption and boiler efficiency to enhance quantitative skills.

• Environmental Impact Integration: Addresses the critical relationship between energy use and the environment, including topics on global warming, greenhouse gases, and emission trading.

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- Refrigeration System
- DG Set System
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- Energy Efficient Technology In Electrical System
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- Solar Energy
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- Geothermal Energy
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- Electric Power Generation
- Energy Conversation & Audit
- Energy & Environmental Impact
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- Section- B
- Short Answer Type Question

Author

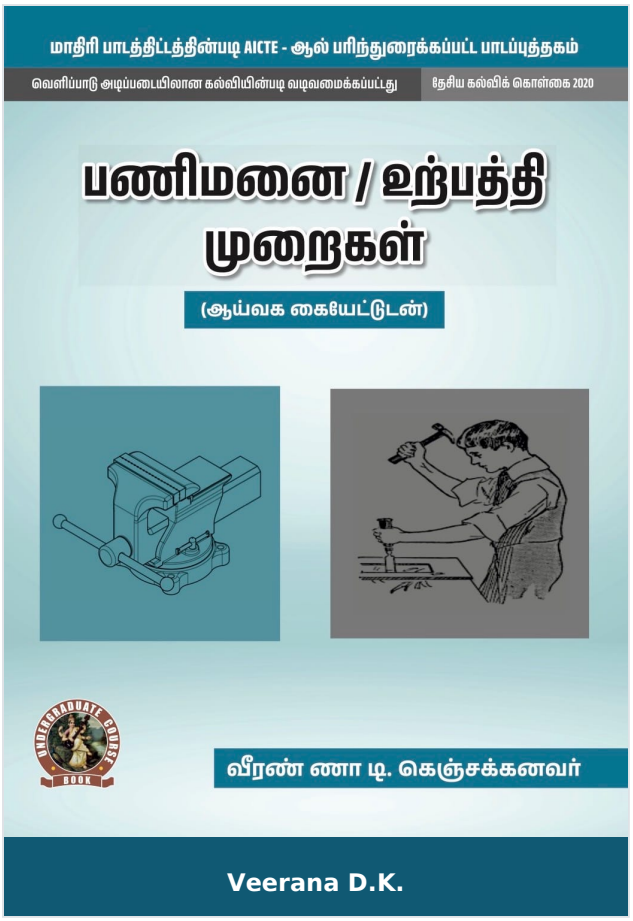
O.P. Gupta

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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Workshop / Manufacturing Practices (with Lab Manual)

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

Product Description

The textbook on “Workshop/ Manufacturing Practices” is designed to cater the needs of young minds of 21 century. The AICTE model curriculum and National Education Policy has driven a new wave in the technical education. The textbook is designed not only to cater the need of the syllabus but also to look things in a different perspective. The Workshop is the place where the core of learning about different materials, equipment, tools and techniques takes place. Basically the workshop used to prepare the small components by hand tools. Sometimes they may be parts of the large machines or may may be parts for replacement/repairs. In this text book an attempt has been made to connect the conventional tools usage to advanced machine tools usage. The relevant practical examples are quoted to make the readers more comfortable with product and processes. The blooms taxonomy is fallowed in construction of each chapters and exercises. The objective and multiple questions with higher order thinking may help the readers to not only to face the semester end exam even they may help in competitive and other examinations.

Salient Features:

1. Manufacturing Methods
2. CNC Machining, Additive manufacturing
3. Fitting operations & power tools
4. Electrical & Electronic
5. Carpentry
6. Plastic mounding, glass cutting
7. Metal casting
8. Welding (arc welding & gas welding), brazing

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9. Laboratory experiments and models

Appendices

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- Manufacturing Methods
- CNC Machining, Additive manufacturing, Fitting operations & power tools
- Electrical & Electronic
- Carpentry, Plastic moulding, glass cutting
- Metal casting, welding (arc welding & gas welding), brazing
- Part- B: Workshop Practice Laboratory
- Appendices
- References

Author

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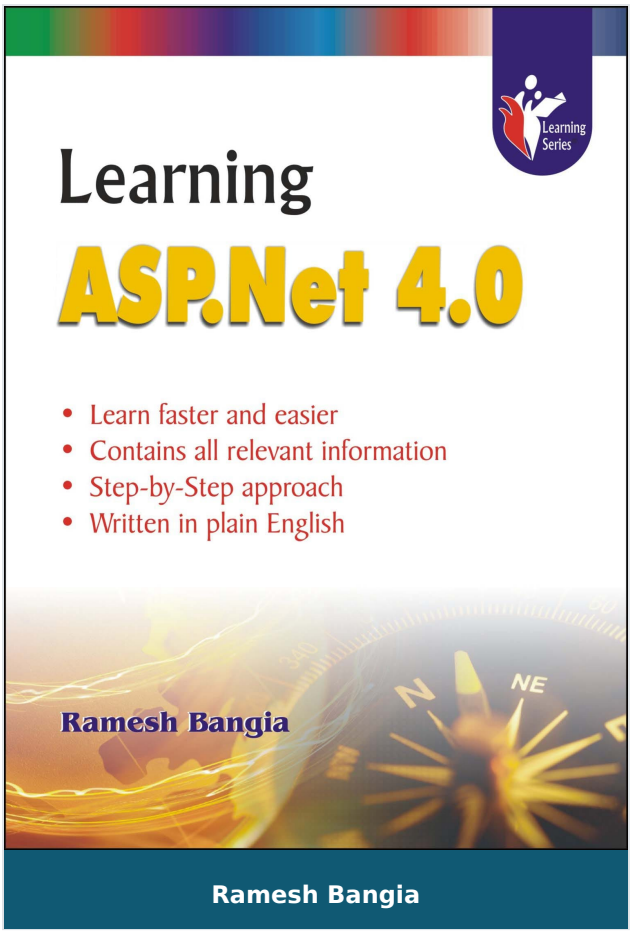
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Learning ASP.Net 4.0

Author :	Ramesh Bangia
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Publisher :	Khanna Publishing House
M.R.P :	Rs 225.00
Categories :	Book Store, Learning Series, BASIC COMPUTER BOOKS
Condition Type :	New
Country Origin :	India

Product Description

The complete Learning Series has been designed in a very systematic and logical manner. Each topic has been developed from the basic concepts. Practically every major point in the text is illustrated with suitable examples and screen shots. This will help the students in understanding the basic theory and train them in solving every problem systematically, and confidently. A large number of unsolved as well as solved exercises have also been included in the book. The language of the text of the book is lucid, direct and easy-to understand. Each chapter is laced with various diagrams wherever possible. Functions has been explained in full and some of them have been explained in the form of examples. Tips for working faster using the keyboard shortcuts are also provided.

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- Using Validation Controls
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Author

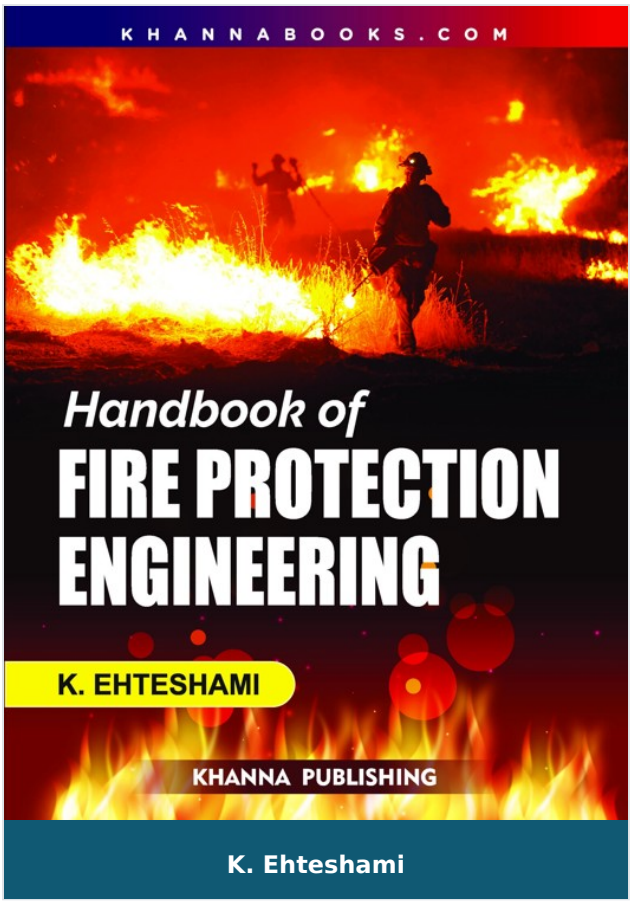
Ramesh Bangia

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.

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Handbook of Fire Protection Engineering

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Product Description

This book "Handbook of Fire Protection Engineering" 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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- 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

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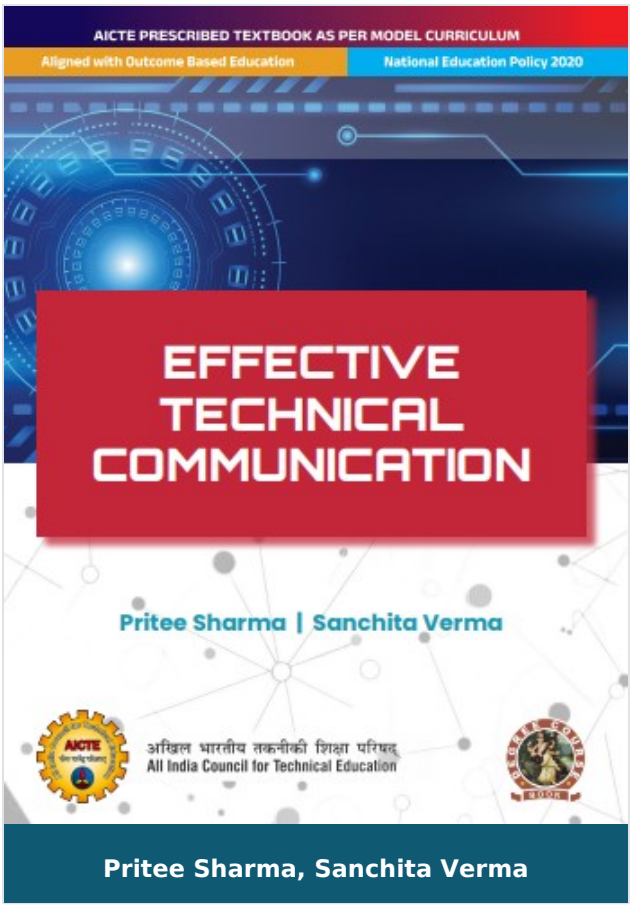
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K. Ehteshami Keyoumars Ehteshami was bron to a khan family from Bakhtiari tribe located in Zagros mountains in southwest Iran. He finished Elementary School in Shar kord, Iran and for High School, he attended Alborz High School, a private Kschool; 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.

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Effective Technical Communication

Author :	Pritee Sharma, Sanchita Verma
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Product Description

Effective Technical Communication

This book is a comprehensive guide into the sphere of technical communication. In the contemporary time, the workplace has become global, and communication is increasingly becoming more challenging and complex. This book serves as an essential guide to understand and develop technical skills in organizational communication.

Starting with the basics of communication process, this book delves into business communication, e-correspondence and various facets of planning and preparing a document for technical communication purposes.

Salient Features:

- Detailed alignment of content with course outcomes, program outcomes and specific unit outcomes
- each unit begins with clear learning objectives and pre-reading activity, preparing the reader to acquire necessary skills and knowledge.
- The book is enriched with latest information, interesting facts and QR codes linking to valuable e-resources for further information.
- An interesting blend of student and teacher centric materials, presented in a logical and coherent manner.
- Appropriate use of figures, tables and formats for better understanding of the concepts.
- Know more sections in each unit, encouraging readers to explore beyond the standard syllabus.
- Exhaustive exercises including MCQs and subjective questions provided at the end of each chapter.

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- This book is not just an academic tool, but a bridge to the contemporary professional world of technical communication making it a must have anyone stepping into the realm of organizational communication.

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- E-communication
- Planning and preparing documents for technical communication
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- Index

Author

Pritee Sharma

Prof. Pritee Sharma Professor School of Humanities and Social Sciences IIT Indore Dr.

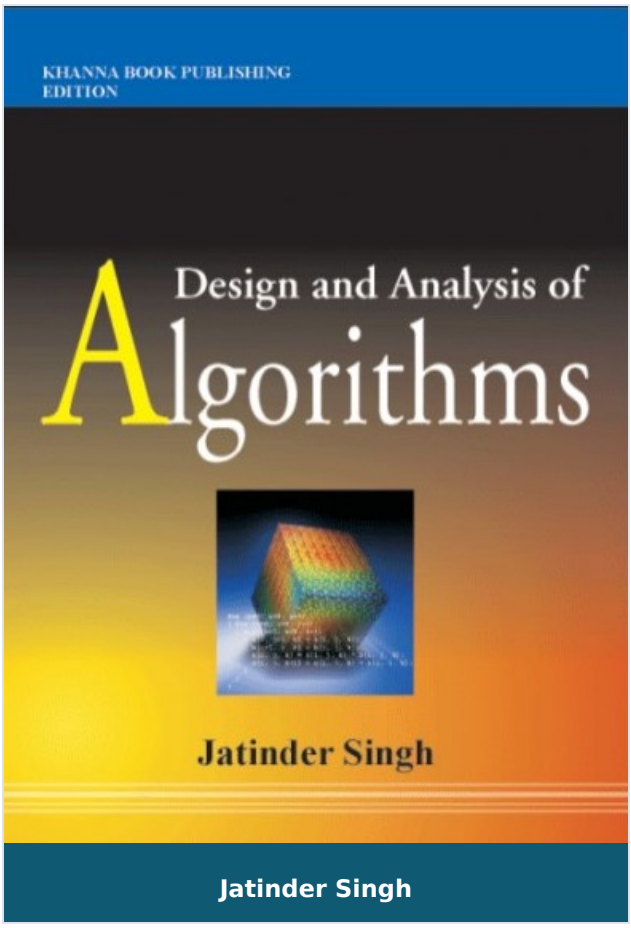
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Dr. Sanchita Verma Assistant Professor Adjunct (Former) School of Humanities and Social Sciences IIT Indore

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Jatinder Singh

Design & Analysis of Algorithms

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- Randomization
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Lekshmi S. Raveendran, Minu Susan Jacob, Selvapriya

Artificial Intelligence Search Methods & Reasoning

Author :	Lekshmi S. Raveendran, Minu Susan Jacob, Selvapriya
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Product Description

Artificial Intelligence Search Methods and Reasoning serves as an essential guide to the foundational principles and core algorithmic strategies that power modern intelligent systems. This book uniquely blends the basic cognitive science behind AI—exploring concepts of intelligence, memory, computation, and learning—with the practical, rigorous algorithms used for problem-solving in complex environments. Its core theme is to demystify how intelligent agents perceive, reason, and act by systematically searching for optimal solutions.

The primary purpose of this resource is to equip learners with a deep, practical understanding of both uninformed (e.g., BFS, DFS) and informed search techniques (e.g., A*, Greedy Best-First Search), adversarial search, and constraint satisfaction problems (CSPs). The text further extends into crucial domains like knowledge representation using logical agents (propositional and first-order logic) and probabilistic reasoning (Bayesian networks, Hidden Markov Models). It culminates in a detailed examination of various learning algorithms, including supervised, unsupervised, reinforcement, and ensemble methods.

The target audience for this book includes undergraduate and graduate students in Computer Science, Artificial Intelligence, and Electrical Engineering, as well as researchers and professionals seeking a robust, algorithm-focused foundation in AI theory and implementation. It offers practical value through numerous case studies, such as the N-Queens Problem, the Wumpus World, and the application of Nature-Inspired Computation like Ant Colony Optimization for the Traveling Salesman Problem. It is a vital resource for building intelligent systems capable of autonomous decision-making.

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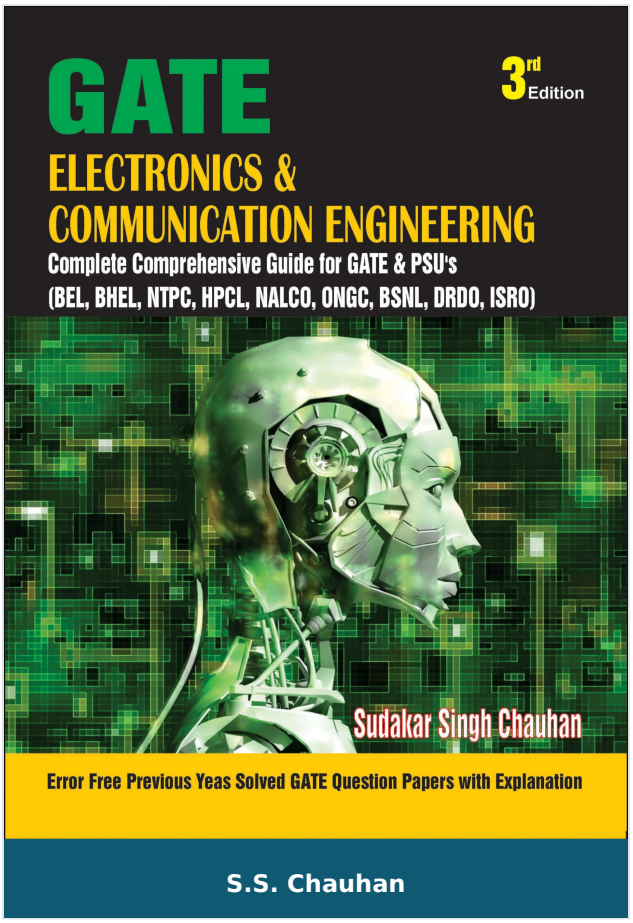
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Product Description

This book contains topic wise solved 20 years paper of GATE in electronics & communication engineering and 5 fully solved new questions for GATE examination to provide to approach and relevancy for the GATE examination. Efforts have been made to provide error free answer & tricky solutions and explanations. It has been kept in consideration that the book should fulfill the need of GATE examination standard and syllabus.

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Haryana, India. He worked in BSNL (BSNL_JTO) as a Switch Engineer and later on resigned so that he can contribute his knowledge & experience for the betterment of young generation. He was involved in GATE preparation classes and had taught several core courses like Electronics Devices & Analog Circuits, Digital Electronics, Signals & Systems, Control Systems, Microprocessor, Analog and Digital Communication etc.

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