



Workshop / Manufacturing Practices (with Lab Manual)

Author :	Veerana D.K.
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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 moulding, glass cutting
7. Metal casting
8. Welding (arc welding & gas welding), brazing

9. Laboratory experiments and models

Appendices

References

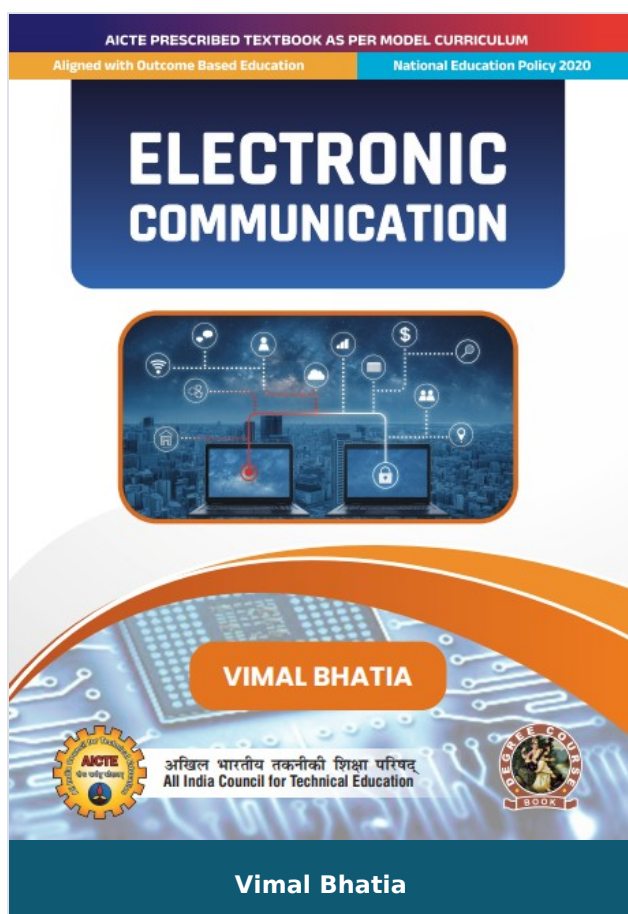
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- CNC Machining, Additive manufacturing, Fitting operations & power tools
- Electrical & Electronic
- Carpentry, Plastic moulding, glass cutting
- Metal casting, welding (arc welding & gas welding), brazing
- Part- B: Workshop Practice Laboratory
-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

Author

Veerana D.K.

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: I Manufacturing Methods I CNC Machining, Additive manufacturing I Fitting operations & power tools I Electrical & Electronic I Carpentry I Plastic moulding, glass cutting I Metal casting I Welding (arc welding & gas welding), brazing I Laboratory experiments and models I Appendices I References



Electronic Communication

Author :	Vimal Bhatia
ISBN 13 :	978-93-55384-65-2
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Edition :	First
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Condition Type :	New
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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

Electronic Communication

This book familiarizes the students to different domains of electronics communication. Main purpose of this book is to help students and researchers to understand basics of electronics communication. The main content of this book is aligned with the model curriculum of AICTE followed by concept of outcome-based education as per National Education Policy (NEP) 2020.

Salient Features:

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

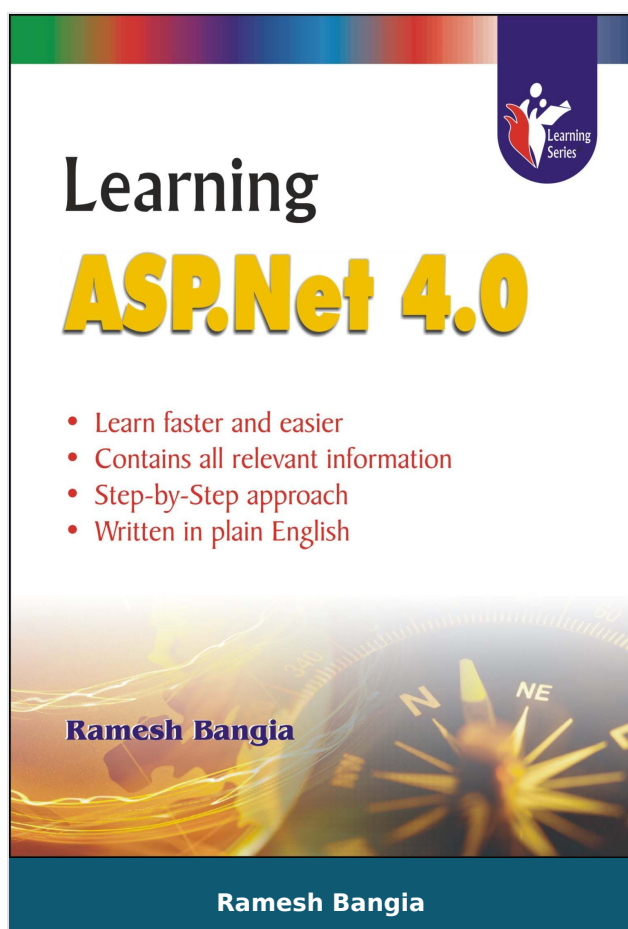
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- Noise
- Pulse Modulation
- Baseband receiver
- Passband digital Transmission
- Passband receiver
- Appendices
- Index

Author

Vimal Bhatia

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



Learning ASP.Net 4.0

Author :	Ramesh Bangia
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Edition :	1
Pages :	232
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Language :	English
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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- Introduction to ASP.NET
- Understanding standard controls
- Using the Navigation Controls
- Using Validation Controls
- Designing websites with Themes
- Overview of Data Access
- 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.



Environmental Science

Author :	Subrat Roy
ISBN 13 :	978-93-55380-18-0
ISBN 10 :	9355380186
E-ISBN 13 :	978-93-55380-18-0
Edition :	First
Pages :	132
Type of book :	Physical
Year :	2023
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 395.00
Categories :	AICTE Prescribed Textbooks, Hindi Books, Book Store, Ebooks
Condition Type :	New
Country Origin :	India

Product Description

“Environmental Science” is an audit course for the first year Diploma program in Engineering & Technology. Syllabus of this book is strictly aligned as per model curriculum of AICTE, and academic content is amalgamated with the concept of outcome-based education.

Book covers four units- Ecosystem, Air and Noise Pollution, Renewable Sources of Energy and Solid waste management, ISO 14000 & Environmental Management, Every unit contains as 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 aligned with the mapping of Course Outcomes, Programs Outcomes and Unit Outcomes.
2. Book provides lots of recent information, interesting facts, QR Code for E-resources, QR Code for use of ICT, projects, group discussion etc.
3. Student and teacher centric subject materials included in book with balanced and chronological manner.
4. Figures and tables are insert to improve clarity of the topics.
5. Objective questions, Short questions and long answer exercise given for practice of students after every unit.

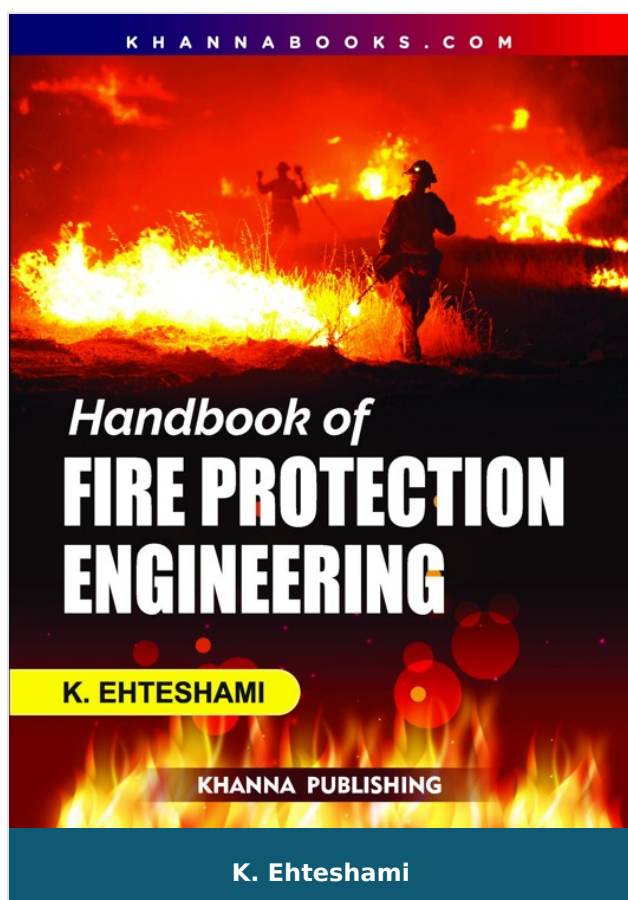
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- Foreword,
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- Air and Noise pollution
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- Soil waste Management, ISO 14000& Environmental management.
- Important Day Related to Environment
- CO and Po Attainment Table
- Index.

Author

Subrat Roy

Subrat Roy



Handbook of Fire Protection Engineering

Author :	K. Ehteshami
ISBN 13 :	978-93-86173-77-5
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Edition :	First
Pages :	320
Type of book :	Physical
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Publisher :	Khanna Publishing House
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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.

Table Of Contents

- 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
- Introduction to Hydraulic
- Calculations
- Hydraulically Designed Loop and Grid
- Systems
- Fire Protection for Homes and Mobile
- Homes
- Fire Protection for Mid-Rise Buildings

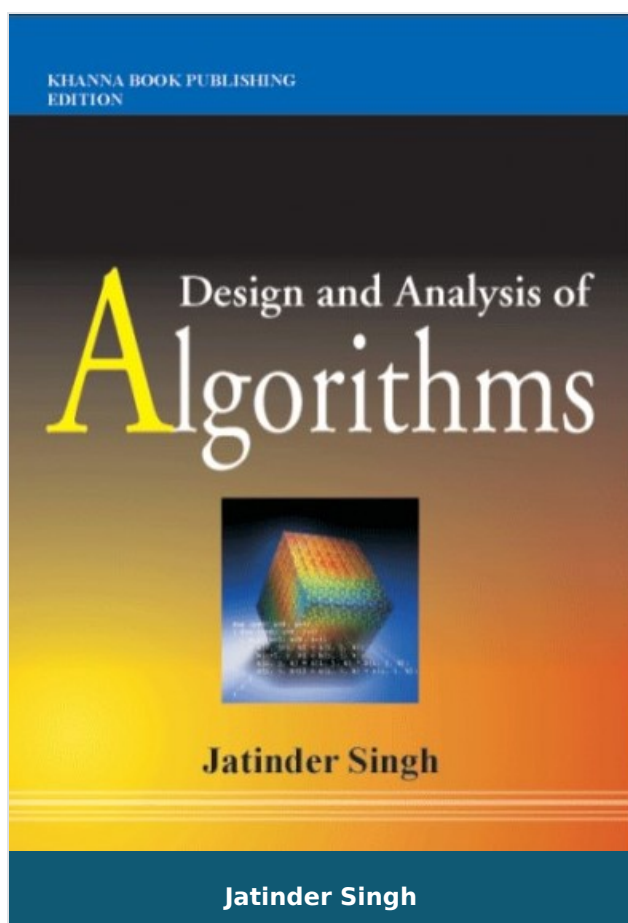
- Fire Protection for High-Rise Buildings
- Fuel Use and Storage
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- Fire protection Signaling Systems
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- Fire Protection for Data Processing
- Centers
- Hand-Held Extinguishers

- 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.



Design & Analysis of Algorithms

Author :	Jatinder Singh
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Edition :	1
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Year :	2011
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 350.00
Categories :	Computer Science Engineering, Book Store
Condition Type :	New
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Product Description

This book is an ideal text to provide in depth knowledge on design and analysis of algorithm. The purpose of the book is to make the students understand the fundamentals of design and analysis of algorithm conveniently. It is meant to be used as a text book for BSc/BCA/MCA/MSc/ B.E./B. Tech/MSc/MS/M. Tech and diploma courses, and as a reference book.

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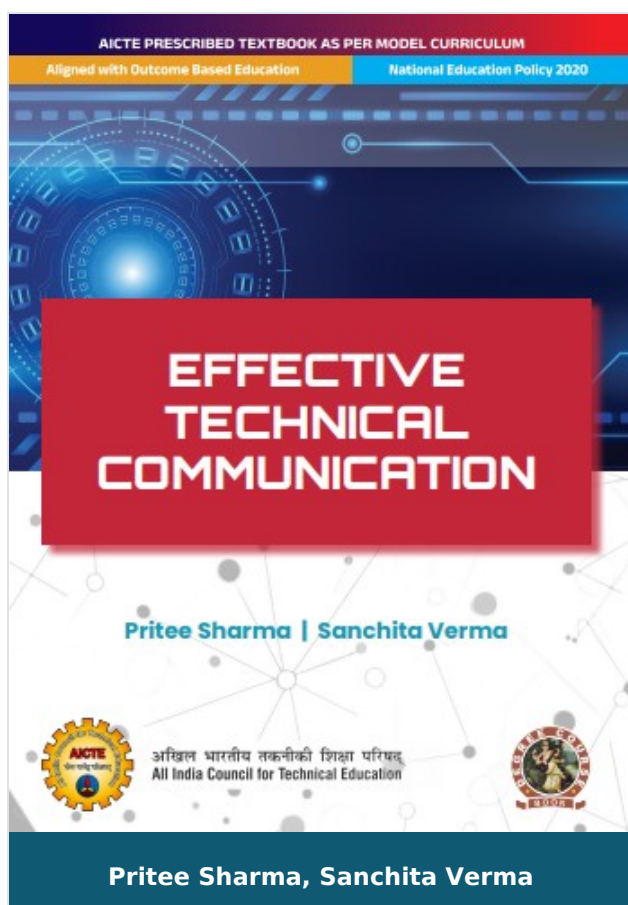
- UNIT - 1
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- Binary Search Trees
- Disjoint Sets
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- Backtracking
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- All-Pairs Shortest Paths
- Dijkstra's Algorithm
- Minimum-Cost Spanning Trees
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- Randomization
- Amortized Analysis of Data Structure

Author

Jatinder Singh

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Effective Technical Communication

Author : Pritee Sharma, Sanchita Verma

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Publisher : Khanna Publishing House

M.R.P : Rs 348.00

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

Condition Type : New

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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.

- 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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Author

Pritee Sharma

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

Sanchita Verma

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



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.

Salient Features:

- **Foundational AI Concepts:** Provides a unique introduction to the cognitive roots of AI, detailing the science behind intelligence, human memory models, and their translation into computational systems.
- **Exhaustive Search Algorithms:** Offers comprehensive coverage of Uninformed Search methods (BFS, DFS, IDDFS, UCS, Bidirectional Search) & advanced Informed Search strategies, including heuristics & A*.
- **Logic and Reasoning:** Systematically explores the role of knowledge and its representation using propositional and First-Order Logic, enabling agents to perform complex inference via Forward and Backward Chaining.
- **Probabilistic Approaches:** Dedicated unit on planning and reasoning under uncertainty, covering essential topics like Bayes' Rule, Bayesian Networks, Hidden Markov Models, and Kalman Filters.
- **Constraint Solving & Games:** Detailed breakdown of Constraint Satisfaction Problems (CSPs), including a case study on the N-Queens problem, alongside an exploration of Adversarial Search strategies for competitive environments.
- **Modern Learning Paradigms:** Includes extensive chapters on learning intelligence, covering Supervised, Unsupervised, and Ensemble Learning techniques (e.g., Boosting/AdaBoost), vital for contemporary AI applications.
- **Real-World Case Studies:** Features practical application examples like solving the Wumpus World problem and a special unit on Nature-Inspired Computation, demonstrating Ant Colony Optimization for the Traveling Salesman Problem (TSP).
- **Intelligent Agent Design:** Focuses on the Rational Agent approach, detailing the PEAS framework (Performance, Environment, Actuators, Sensors) and exploring agent rationality, learning, and autonomy.

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- Searching Towards Solution
- Knowledge: Role and Representation
- Approaches Behind Planning and Reasoning
- Learning an Communication

Author

Lekshmi S. Raveendran

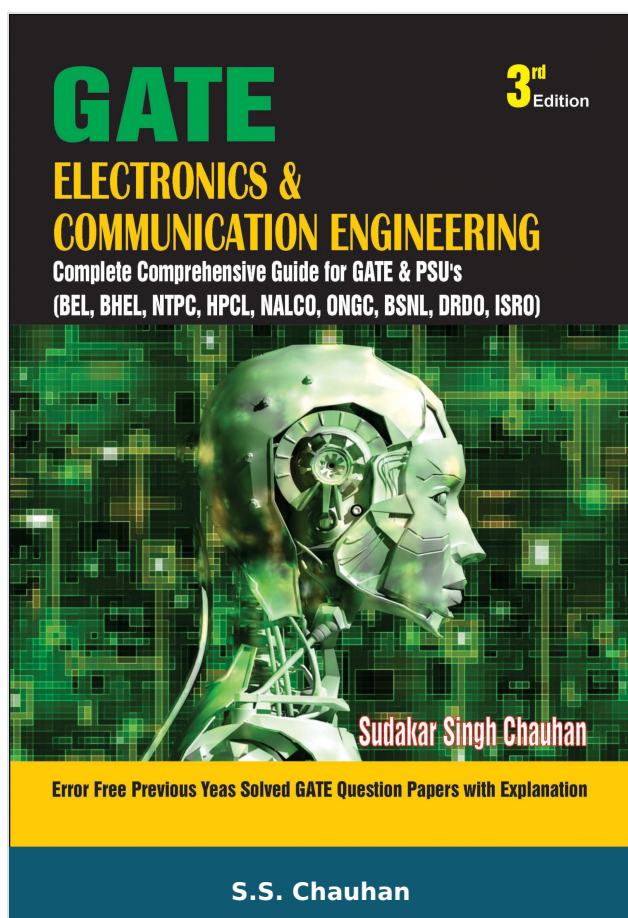
Lekshmi S. Raveendran

Minu Susan Jacob

Minu Susan Jacob

Selvapriya

Selvapriya



GATE Electronics & Communication Engineering

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

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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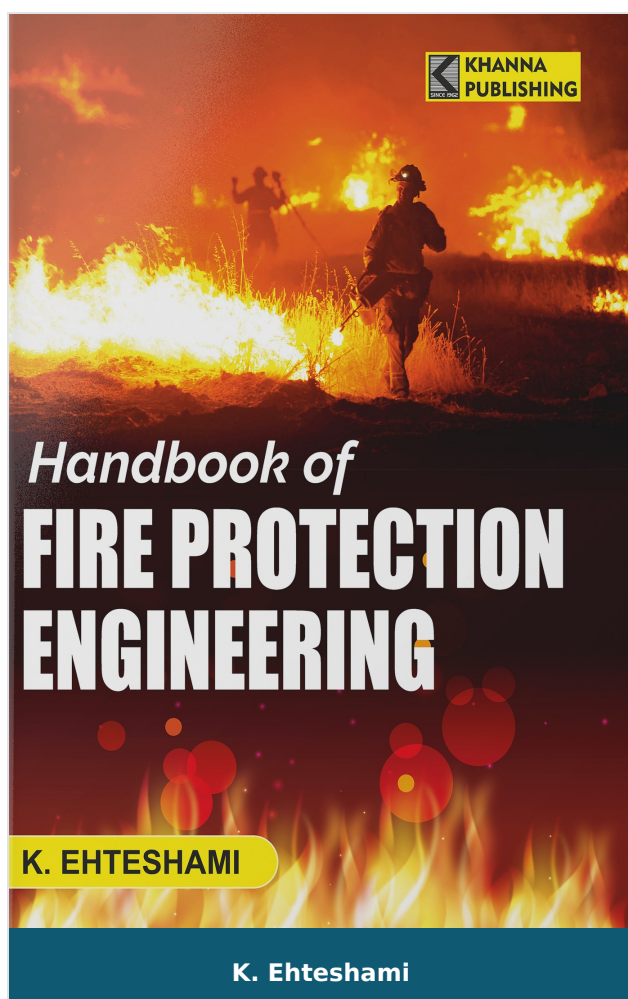
- Network Theory
- Electronic Devices & Analog Circuits
- Digital Circuits
- Microprocessors
- Control System
- Signals & System
- Communication System
- Electromagnetic Field Theory
- Engineering Mathematics
- General Aptitude
- Gate 2013 Solved Paper
- Gate 2014 Solved Paper
- Gate 2015 Solved Paper
- Model Test Paper-1
- Model Test Paper-2
- Model Test Paper-3
- Model Test Paper-4
- Model Test Paper-5

Author

S.S. Chauhan

S.S. Chauhan Sudakar Singh Chauhan is presently working as an Assistant Professor in the department of Electronics and Communication Engineering at NIT Kurukshetra,

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.



Handbook of Fire Protection Engineering

Author :	K. Ehteshami
ISBN 13 :	978-93-89139-18-1
ISBN 10 :	938913918X
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Pages :	320
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- Preaction System
- Wet Pipe System
- Explosion Protection System
- Light Hazard Occupancies
- Ordinary Hazard Occupancies
- Extra Hazard Occupancies
- Introduction to Hydraulic Calculations
- Hydraulically Designed Loop and Grid Systems
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- 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.