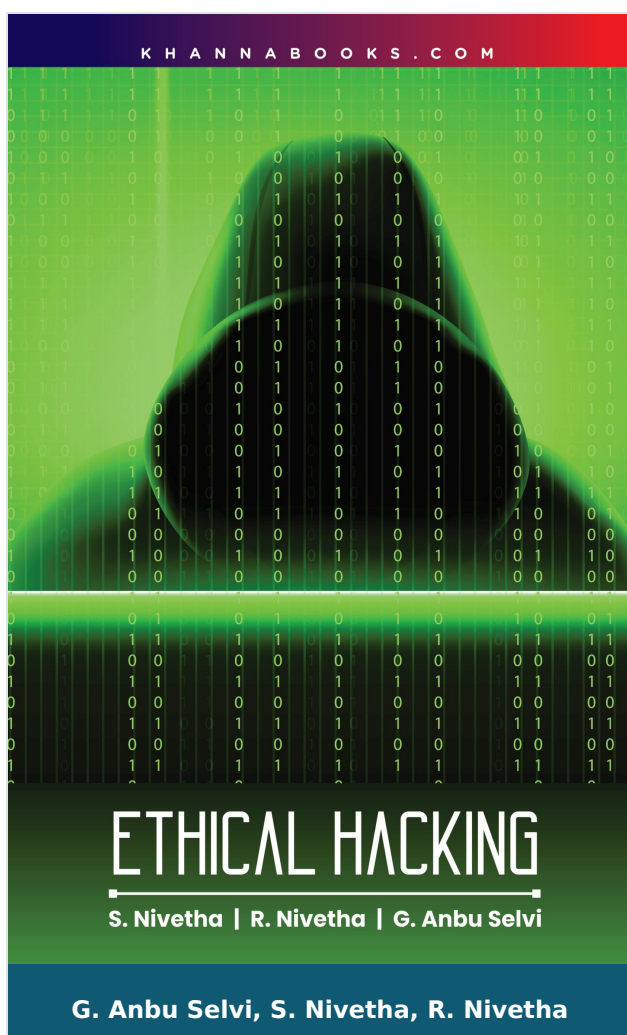




## Ethical Hacking

|                         |                                                                                                                                 |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| <b>Author :</b>         | G. Anbu Selvi, S. Nivetha, R. Nivetha                                                                                           |
| <b>ISBN 13 :</b>        | 978-93-55387-61-5                                                                                                               |
| <b>ISBN 10 :</b>        | 935538761X                                                                                                                      |
| <b>E-ISBN 13 :</b>      | 978-93-55387-61-5                                                                                                               |
| <b>Edition :</b>        | First                                                                                                                           |
| <b>Pages :</b>          | 116                                                                                                                             |
| <b>Type of book :</b>   | Physical                                                                                                                        |
| <b>Year :</b>           | 2026                                                                                                                            |
| <b>Language :</b>       | English                                                                                                                         |
| <b>Publisher :</b>      | Khanna Publishing House                                                                                                         |
| <b>M.R.P :</b>          | Rs 248.00                                                                                                                       |
| <b>Categories :</b>     | <a href="#">Computer Science Engineering,</a><br><a href="#">New Arrivals, Book Store,</a><br><a href="#">Sathyabama Series</a> |
| <b>Condition Type :</b> | New                                                                                                                             |
| <b>Country Origin :</b> | India                                                                                                                           |

## Product Description

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In the rapidly evolving digital landscape, where cyber threats are increasing in complexity and frequency, Ethical Hacking stands as an indispensable guide for mastering proactive cybersecurity defense. This book is meticulously designed to introduce readers to the fundamental concepts and practical methodologies of Ethical Hacking and Penetration Testing. It is structured to align with a dedicated cybersecurity curriculum, making it an ideal resource for students in Computer Science and related fields, as well as cybersecurity enthusiasts and IT professionals aiming to enhance their skills.

The core theme of the text is to transform the reader into an authorized "White Hat" hacker, equipping them with the technical expertise and ethical mindset required to fortify digital infrastructures. It achieves this by delving into crucial, real-world topics such as the phases of ethical hacking, detailed penetration testing methodologies, information gathering, enumeration, vulnerability scanning, and network sniffing. Beyond theoretical knowledge, the book emphasizes hands-on experience, featuring practical exercises and case studies that allow readers to apply knowledge in live cybersecurity scenarios.

By exploring various tools and techniques, readers learn to think like security analysts, adopt a proactive approach to cyber threats, and serve as the critical first line of defense in protecting systems and data integrity. This comprehensive guide provides the strong foundation necessary for anyone aspiring to a career as an ethical hacker, penetration tester, or cybersecurity analyst.

### Salient Features:

- **Structured Pen Testing:** Covers the end-to-end methodology, including planning, reconnaissance, discovery, active intrusion, and final analysis for comprehensive security audits.

- **Essential Tool Mastery:** Provides practical guidance on using critical industry tools such as Nmap, Nessus Vulnerability Scanner, Wireshark, and Acunetix for hands-on experience.
- **Assessment and Mitigation:** Details the process of vulnerability assessment and risk assessment, including scoping, scanning, reporting (using CVSS scores), and prioritizing crucial fixes.
- **Intelligence and Reconnaissance:** Explores both active and passive information gathering (Footprinting) to collect data without direct interaction, forming the blueprint of a target network infrastructure.
- **Network Defense Deep Dive:** Dedicated coverage of network attacks, including ARP Spoofing, Denial of Service (DoS), DNS/DHCP Spoofing, and how to defend against these crucial vectors.
- **Ethical Hacking Mindset:** Clearly distinguishes White Hat from Black Hat activities, emphasizing the legal and ethical standards required for authorized penetration testing.
- **Practical Case Studies:** Includes case studies and practical exercises throughout the units to reinforce learning and ensure readers can apply their technical knowledge in real-life scenarios.

## Table Of Contents

---

- Introduction to Ethical Hacking
- Information Gathering
- Enumeration and Port Scanning
- Vulnerability Scanning
- Network Sniffing
- Summary
- Video Resources Link (You tube Videos)

## Author

---

### **G. Anbu Selvi**

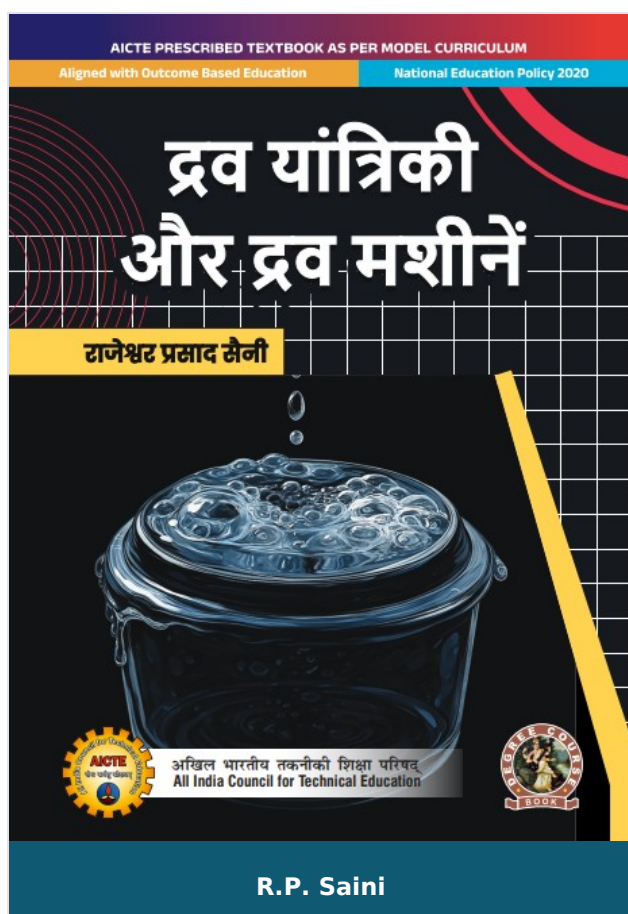
G. Anbu Selvi Associate Professor, Dept of CSE, Sathyabhama Institute of Science and Technology  
R.Nivedha Associate Professor, Dept of CSE, Sathyabhama Institute of Science and Technology

### **S. Nivetha**

S. Nivetha

### **R. Nivetha**

R. Nivetha



## Fluid Mechanics & Fluid Machines

|                         |                                                                     |
|-------------------------|---------------------------------------------------------------------|
| <b>Author :</b>         | R.P. Saini                                                          |
| <b>ISBN 13 :</b>        | 978-93-55388-97-1                                                   |
| <b>ISBN 10 :</b>        | 9355388977                                                          |
| <b>E-ISBN 13 :</b>      | 978-93-55388-97-1                                                   |
| <b>Edition :</b>        | First                                                               |
| <b>Pages :</b>          | 240                                                                 |
| <b>Type of book :</b>   | Physical                                                            |
| <b>Year :</b>           | 2026                                                                |
| <b>Language :</b>       | English                                                             |
| <b>Publisher :</b>      | Khanna Publishing House                                             |
| <b>M.R.P :</b>          | Rs 358.00                                                           |
| <b>Categories :</b>     | <a href="#">AICTE Prescribed Textbooks, Hindi Books, Book Store</a> |
| <b>Condition Type :</b> | New                                                                 |
| <b>Country Origin :</b> | India                                                               |

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## Product Description

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Fluid Mechanics & Fluid Machines

## Author

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**R.P. Saini**

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



## Computational Intelligence

**Author :** D. Menaka, J. Jeysri

**ISBN 13 :** 978-93-55382-76-4

**ISBN 10 :** 9355382766

**E-ISBN 13 :** 978-93-55382-76-4

**Edition :** First

**Pages :** 76

**Type of book :** Physical

**Year :** 2025

**Language :** English

**Publisher :** Khanna Publishing House

**M.R.P :** Rs 148.00

**Categories :** [New Arrivals, Book Store,](#)  
[Sathyabama Series](#)

**Condition Type :** New

**Country Origin :** India

## Product Description

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### Computational Intelligence

Computational Intelligence serves as a comprehensive and insightful guide into a field that stands at the forefront of the rapidly evolving digital era, powering advancements from data analytics to autonomous systems. This book is dedicated to providing a structured yet accessible overview of Computational Intelligence (CI), a powerful paradigm that solves complex real-world problems by leveraging techniques inspired by natural intelligence. The core theme is the integration of diverse concepts, including artificial intelligence, machine learning, neural networks, evolutionary computing, and fuzzy logic.

The text offers a careful balance between theoretical depth and practical relevance, ensuring that complex methodologies are made clear and engaging for a wide audience, which includes students, educators, researchers, and professionals. Chapters cover fundamental principles, key algorithms, and recent advancements, empowering readers to not only understand but also implement intelligent computational models. To foster practical knowledge, the book integrates real-world case studies and examples that demonstrate the application of CI techniques across crucial domains such as healthcare, finance, robotics, and optimization. By focusing on algorithmic design and real-time applications, this academically rigorous work inspires innovation and provides the tools necessary to contribute effectively to the future of intelligent computing.

### Salient Features:

- **Foundational AI Concepts:** Covers the principles of Artificial Intelligence, including its foundations, different types of AI, and the architecture and operation of various intelligent agents.

- **Neural Networks & Deep Learning:** Details the structure of Artificial Neural Networks (ANNs), Single/Multi-Layer Perceptrons, and modern Deep Learning algorithms, covering both supervised and unsupervised learning.
- **Fuzzy Logic & Hybrid Systems:** Explores Fuzzy Logic, Fuzzy Set Theory, and Fuzzy Reasoning, culminating in advanced hybrid models like Neuro-Fuzzy and Cooperative Fuzzy Neural Networks (CFNN).
- **Evolutionary Algorithms:** Provides an introduction to Genetic Algorithms, detailing concepts like search space, reproduction, and selection methods essential for optimization problems.
- **Swarm Intelligence Techniques:** Dedicated coverage of optimization algorithms inspired by collective behavior, including Particle Swarm Optimization (PSO) and Ant Colony Optimization (ACO) variants.
- **Practical Search Strategies:** Explains key Problem-Solving Agents and algorithms, differentiating between Uninformed and Informed search strategies used for efficient goal-directed problem-solving.
- **Real-World Case Studies:** Integrates practical applications and case studies across vital sectors like healthcare, finance, robotics, and logistics, demonstrating the implementation of AI techniques.
- **Ethical & Future Trends:** Discusses the ethical considerations and challenges of AI, alongside future trends like Explainable AI (XAI) and Quantum AI, preparing readers for responsible deployment.

## Table Of Contents

---

- Artificial Intelligence
- Artificial Neural Networks
- Fuzzy Systems
- Genetic Algorithms
- Swarm Intelligence

## Author

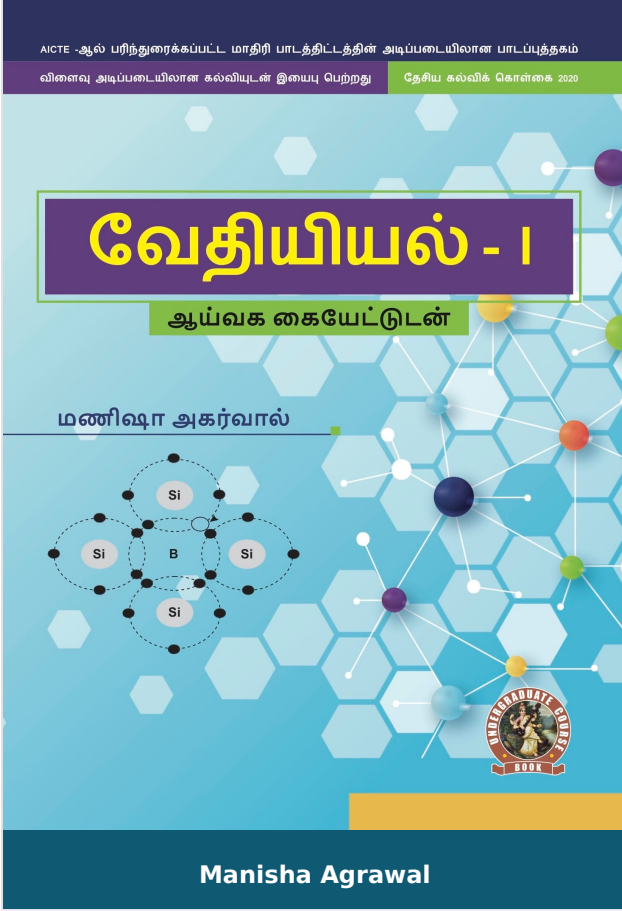
---

### **D. Menaka**

D. Menaka, Associate Professor, Dept of CSE, Sathyabhama Institute of Science and Technology

### **J. Jeyshri**

J. Jeyshri Associate Professor, Dept of CSE, Sathyabhama Institute of Science and Technology



## Chemistry I (with Lab Manual)

|                         |                                                                                                |
|-------------------------|------------------------------------------------------------------------------------------------|
| <b>Author :</b>         | Manisha Agrawal                                                                                |
| <b>ISBN 13 :</b>        | 978-93-91505-66-0                                                                              |
| <b>ISBN 10 :</b>        | 939150566X                                                                                     |
| <b>E-ISBN 13 :</b>      | 978-93-91505-66-0                                                                              |
| <b>Edition :</b>        | First                                                                                          |
| <b>Pages :</b>          | 260                                                                                            |
| <b>Type of book :</b>   | Physical                                                                                       |
| <b>Year :</b>           | 2022                                                                                           |
| <b>Language :</b>       | English                                                                                        |
| <b>Publisher :</b>      | Khanna Publishing House                                                                        |
| <b>M.R.P :</b>          | Rs 395.00                                                                                      |
| <b>Categories :</b>     | <a href="#">AICTE Prescribed Textbooks,</a><br><a href="#">Tamil Books, Book Store, Ebooks</a> |
| <b>Condition Type :</b> | New                                                                                            |
| <b>Country Origin :</b> | India                                                                                          |

## Product Description

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“Chemistry-I” is a compulsory paper for the first year Undergraduate course 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 seven topics- Atomic and molecular structure, Spectroscopic Technique and applications, Inter-molecular Forces and Potential Energy Surfaces, Use of Free Energy in Chemical Equilibrium, Periodic Properties, Stereo-chemistry, Organic Reactions and Synthesis of Drug Molecules. Each topic is written in easy and lucid manner. Every chapter contains a set of exercise at the end of each unit to test student’s comprehension.

### Salient Features:

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. Students and teacher centric subject materials included in book with balanced and chronological manner.
4. Figures, tables, chemical equations and comparative charts are inserted to improve clarity of the topics.
5. Short questions, objective questions and long answer exercises are given for practice of students after every chapter.
6. Solved and unsolved problems including numerical examples are solved with systematic steps.

## Table Of Contents

---

- Foreword
- Acknowledgement
- Preface
- Outcome Based Education
- Course Outcomes
- Abbreviations and Symbols
- List of Figures
- List of Tables
- Guidelines for Teacher
- Guidelines for Students
- Atomic and
- Molecular Structure
- Spectroscopic
- Techniques and Applications
- Intermolecular
- Forces and Potential Energy Surfaces
- Use of Free
- Energy in Chemical Equilibria
- Periodic
- Properties
- Stereochemistry
- and Organic Reactions
- Organic

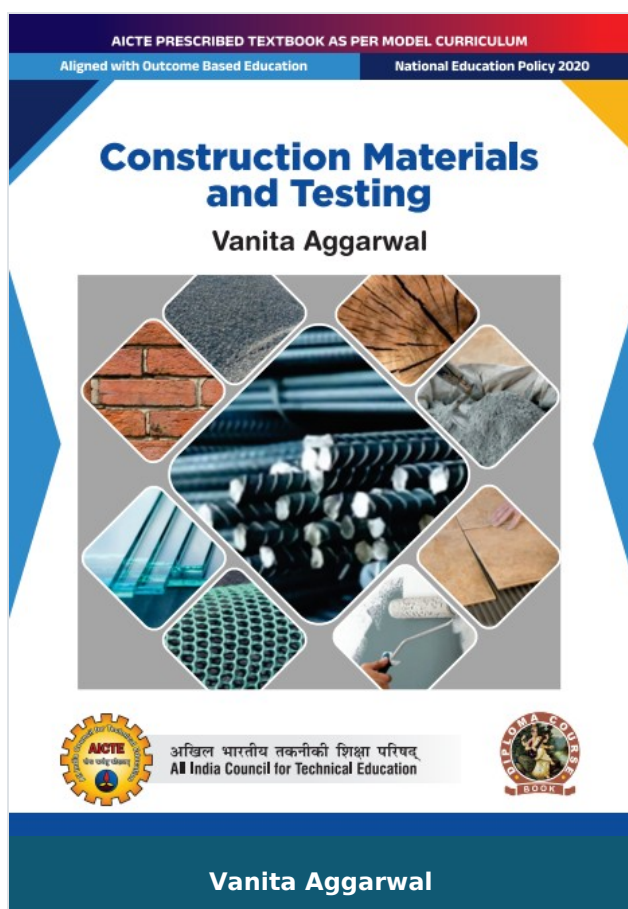
- Reactions Synthesis of Drug Molecules
- Annexure
- Appendices

## Author

---

### Manisha Agrawal

Manisha Agrawal Dr. Manisha Agarwal is Dean, Basic Sciences at Chhattisgarh Swami Vivekanand Technical University Bhilai. Professor and head, Department of Chemistry at Rungta College of Engineering & Technology, Bhilai, (C.G.). She completed Ph. D. from Pt. Ravishankar Shukla University, Raipur in 1999. Since then she has been engaged in teaching and research. Dr. Manisha has authored several papers which have been published in SCI indexed International and National journals. She has organised more than 10 Conferences and workshops as convener among them four were International Conferences. She has credited five books as author, three patents as inventor and applicant and six Research Project Grants as Principal Investigator from Government Funding agencies like AICTE, CCOST and CSVTU. She has supervised 5 M. Phil. Students, 12 BE and Diploma students. Presently 6 research scholars are perusing Ph. D. under her supervision.



## Construction Materials and Testing

|                         |                                                                                          |
|-------------------------|------------------------------------------------------------------------------------------|
| <b>Author :</b>         | Vanita Aggarwal                                                                          |
| <b>ISBN 13 :</b>        | 978-93-55383-33-4                                                                        |
| <b>ISBN 10 :</b>        | 9355383339                                                                               |
| <b>E-ISBN 13 :</b>      | 978-93-55383-33-4                                                                        |
| <b>Edition :</b>        | First                                                                                    |
| <b>Pages :</b>          | 136                                                                                      |
| <b>Type of book :</b>   | Physical                                                                                 |
| <b>Year :</b>           | 2026                                                                                     |
| <b>Language :</b>       | English                                                                                  |
| <b>Publisher :</b>      | Khanna Publishing House                                                                  |
| <b>M.R.P :</b>          | Rs 248.00                                                                                |
| <b>Categories :</b>     | <a href="#">AICTE Prescribed Textbooks,</a><br><a href="#">English Books, Book Store</a> |
| <b>Condition Type :</b> | New                                                                                      |
| <b>Country Origin :</b> | India                                                                                    |

## Product Description

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### Construction Materials and Testing

This book familiarizes the students with different types of Construction Materials. It provides exposure of conventional as well as advanced materials to Civil Engineering students. The content includes details of a relative comparison, merits and demerits, and challenges of different types of materials used in construction and their application in real life projects.

The main aim of this book is to enable students to reach the most suitable material for use in different scenarios. The content of this book is aligned with the model curriculum of AICTE followed by concept of outcomes-based education as per the National Education policy (NEP)2020.

Salient features:

- Content of the book aligned with the mapping course outcomes, programs and Units Outcomes.
- In the beginning of each unit learning outcomes are listed to make the student understand what is expected out of him/her after completing that unit.
- Book provides lots of recent information, interesting facts, QR code for E-resources, QR code for use of ICT, projects, group discussion etc.
- Student and teacher centric subject materials included in book with balanced and chronological manner.
- Figures, tables, and software screen shots are inserted to improve clarity of the topics.
- Apart from essential information a 'know more' section is also provided in each unit to extend the learning beyond syllabus.

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

## Table Of Contents

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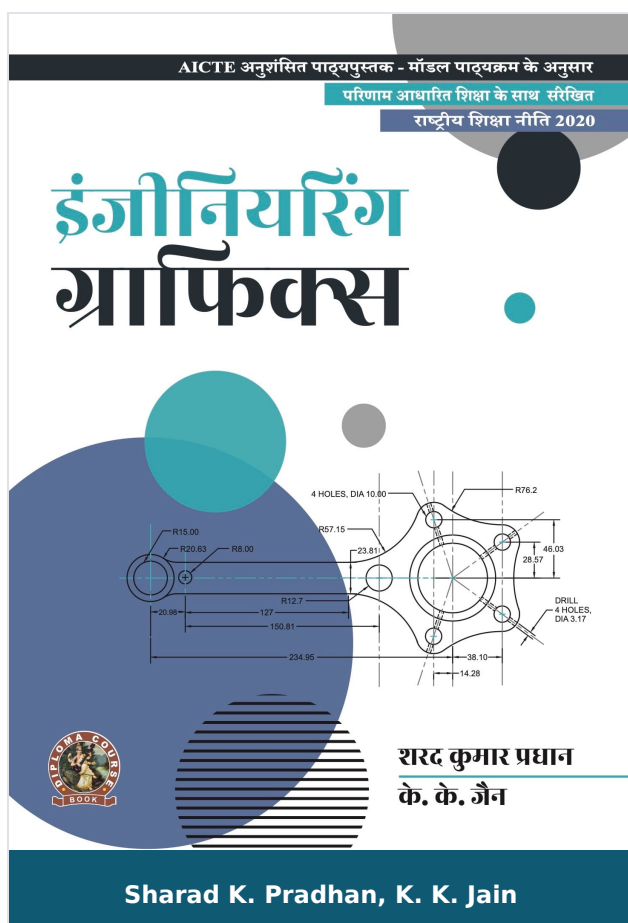
- Foreword
- Acknowledgement
- Preface
- Outcome Based Education
- Course Outcomes
- Guidelines for Teachers
- Guidelines for Students
- Abbreviations and Symbols
- List of Figures
- List of Tables
- Overview of Construction Materials
- Natural Construction Materials
- Artificial Construction Materials
- Special Construction Materials
- Processed Construction Materials
- CO and PO Attainment Table
- References for Further Learning
- Index

## Author

---

### Vanita Aggarwal

Dr. Vanita Aggarwal Professor And Head Department of Civil Engineering Maharishi Markandeshwar (Deemed to be University) Mullana (Ambala), Haryana



## Engineering Graphics

|                         |                                                                             |
|-------------------------|-----------------------------------------------------------------------------|
| <b>Author :</b>         | Sharad K. Pradhan, K. K. Jain                                               |
| <b>ISBN 13 :</b>        | 978-93-55381-89-7                                                           |
| <b>ISBN 10 :</b>        | 9355381891                                                                  |
| <b>E-ISBN 13 :</b>      | 978-93-55381-89-7                                                           |
| <b>Edition :</b>        | First                                                                       |
| <b>Pages :</b>          | 276                                                                         |
| <b>Type of book :</b>   | Physical                                                                    |
| <b>Year :</b>           | 2023                                                                        |
| <b>Language :</b>       | English                                                                     |
| <b>Publisher :</b>      | Khanna Publishing House                                                     |
| <b>M.R.P :</b>          | Rs 395.00                                                                   |
| <b>Categories :</b>     | <a href="#">AICTE Prescribed Textbooks, Hindi Books, Book Store, Ebooks</a> |
| <b>Condition Type :</b> | New                                                                         |
| <b>Country Origin :</b> | India                                                                       |

## Product Description

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“ Engineering Graphics” is a compulsory paper for the first year Diploma course 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 six topics- Basic Elements of drawing , Orthographic Projections, Isometric Projections, Free Hand Sketcher of Engineering Elements, Computer Aided Drafting Interface, Computer Aided Drafting. 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 Outcomes, Programs Outcomes and Unit Outcomes.
2. 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.
3. Book provides lots of recent information, interesting facts, Codes for E-resources, QR Code for use of ICT, projects, group discussion etc.
4. Student and teacher centric subject materials included in book with balanced and chronological manner.
5. Figures, tables and software screen shots are inserted to improve clarity of the topics.
6. Apart from essential information a 'Know More' section is also provided in each unit to extend the learning beyond syllabus.
7. Short questions, objective questions and long answer exercises are given for practice of students after every chapter.

8. Solved and unsolved problems including numerical examples are solved with systematic steps.

## Table Of Contents

---

- Foreword, Acknowledgement, Preface, Outcome Based Educations, Course Outcomes, Abbreviations and Symbols, List of Figures, List of tables Guidelines for Teachers, Guidelines for Students
- Basic Elements of Drawing
- Orthographic Projections
- Isometric Projections
- Free Hand Sketches of Engineering Elements
- Computer Aided Drafting Interface
- Computer Aided Drafting

## Author

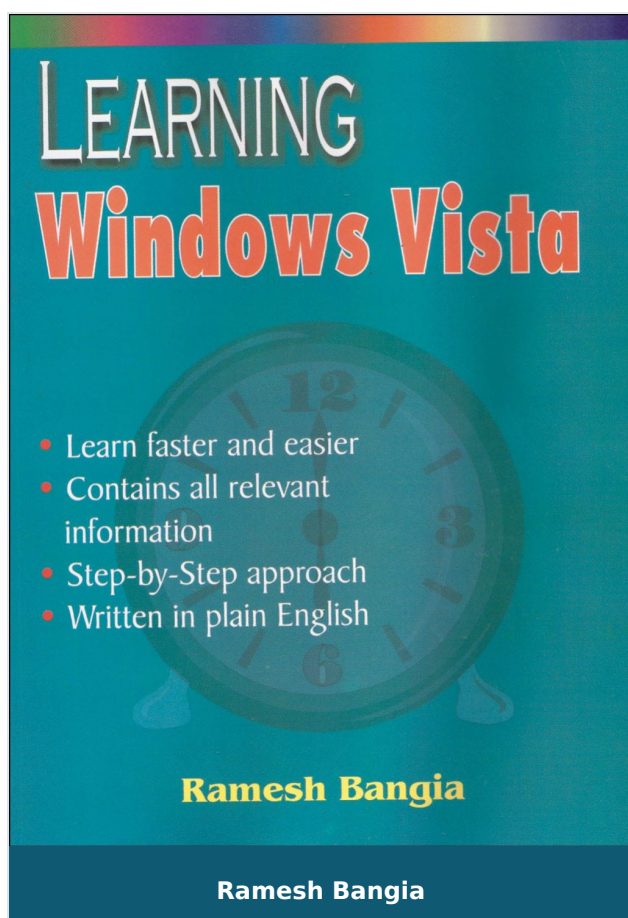
---

**Sharad K. Pradhan**

Sharad K. Pradhan

**K. K. Jain**

K. K. Jain



## Learning Windows Vista

|                         |                                                                       |
|-------------------------|-----------------------------------------------------------------------|
| <b>Author :</b>         | Ramesh Bangia                                                         |
| <b>ISBN 13 :</b>        | 078-81-90611-64-0                                                     |
| <b>ISBN 10 :</b>        | 019061164X                                                            |
| <b>E-ISBN 13 :</b>      | 078-81-90611-64-0                                                     |
| <b>Edition :</b>        | 1                                                                     |
| <b>Pages :</b>          | 192                                                                   |
| <b>Type of book :</b>   | Physical                                                              |
| <b>Year :</b>           | 2007                                                                  |
| <b>Language :</b>       | English                                                               |
| <b>Publisher :</b>      | Khanna Publishing House                                               |
| <b>M.R.P :</b>          | Rs 225.00                                                             |
| <b>Categories :</b>     | <a href="#">Computer Books - English, Book Store, Learning Series</a> |
| <b>Condition Type :</b> | New                                                                   |
| <b>Country Origin :</b> | India                                                                 |

## Product Description

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Learning of a Software is both easy and difficult. It depends upon what level you are planning to learn. If you are learning only for the working use, than it is very easy. But when you try to go deep into it, then you realise how difficult it is to master it.

Windows Vista 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

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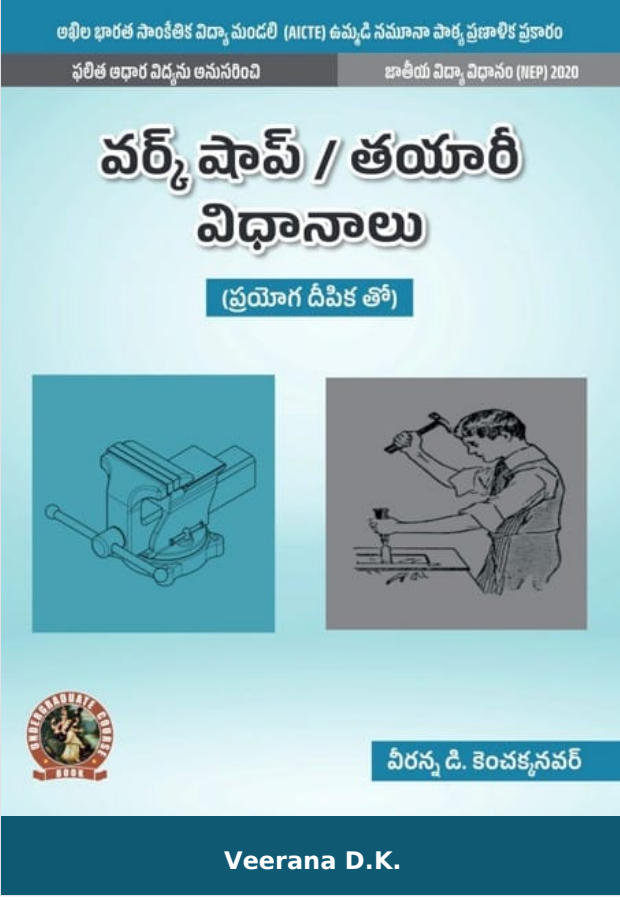
- Introduction to Windows Vista
- Accessories of Windows Vista
- Control Panel of Windows Vista
- Configuring your system with Windows Vista
- Maintain and Protect our System with Windows Vista
- Additional Commands of Windows Vista
- Keyboard Shortcuts
- Questions

## 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.



## Workshop / Manufacturing Practices

|                         |                                                                                                 |
|-------------------------|-------------------------------------------------------------------------------------------------|
| <b>Author :</b>         | Veerana D.K.                                                                                    |
| <b>ISBN 13 :</b>        | 978-93-91505-80-6                                                                               |
| <b>ISBN 10 :</b>        | 9391505805                                                                                      |
| <b>E-ISBN 13 :</b>      | 978-93-91505-80-6                                                                               |
| <b>Edition :</b>        | 1                                                                                               |
| <b>Pages :</b>          | 208                                                                                             |
| <b>Type of book :</b>   | Physical                                                                                        |
| <b>Year :</b>           | 2025                                                                                            |
| <b>Language :</b>       | English                                                                                         |
| <b>Publisher :</b>      | Khanna Publishing House                                                                         |
| <b>M.R.P :</b>          | Rs 295.00                                                                                       |
| <b>Categories :</b>     | <a href="#">AICTE Prescribed Textbooks,</a><br><a href="#">Telugu Books, Book Store, Ebooks</a> |
| <b>Condition Type :</b> | New                                                                                             |
| <b>Country Origin :</b> | India                                                                                           |

## Product Description

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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

10. Appendices

11. References

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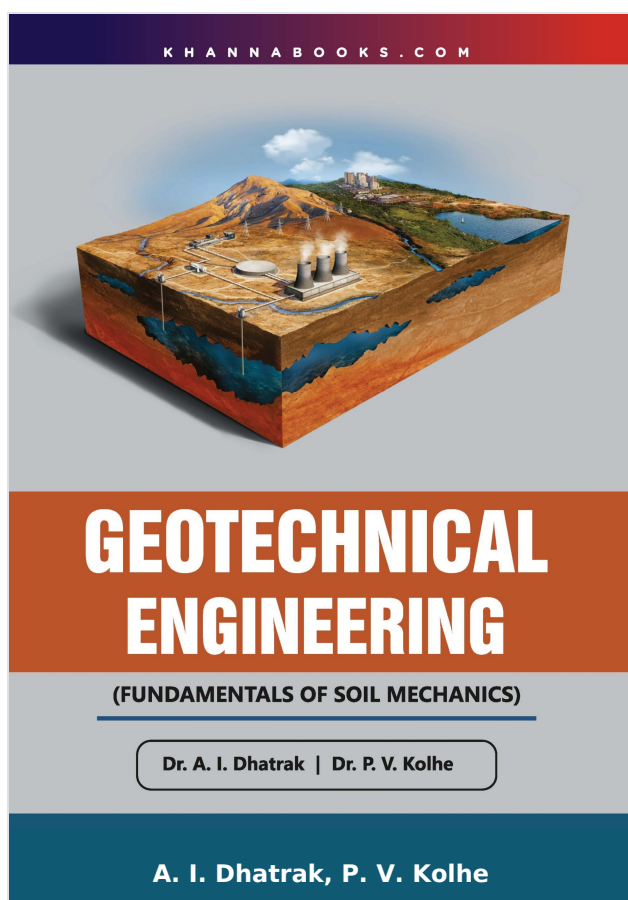
- Foreword
- Acknowledgement
- Preface
- Outcome Based Education
- Course Outcomes
- Abbreviations and Symbols
- List of Figures
- List of Tables
- Guidelines for Teacher
- Guidelines for Students
- Part- A: Manufacturing Practices
- Manufacturing Methods.
- CNC Machining, Additive manufacturing, Fitting operations & power tools.
- Electrical & Electronic.
- Carpentry, Plastic molding, 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



## Geotechnical Engineering (Fundamentals of Soil Mechanics)

**Author :** A. I. Dhatrak, P. V. Kolhe

**ISBN 13 :** 978-93-55386-62-5

**ISBN 10 :** 9355386821

**E-ISBN 13 :** 978-93-55386-62-5

**Edition :** First

**Pages :** 252

**Type of book :** Physical

**Year :** 2026

**Language :** English

**Publisher :** Khanna Publishing House

**M.R.P :** Rs 398.00

**Categories :** [Civil Engineering, New Arrivals, Book Store](#)

**Condition Type :** New

**Country Origin :** India

**Khanna Publishing House**

4C/4344, Ansari Road, Daryaganj, New Delhi-110002

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

## Product Description

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### Geotechnical Engineering (Fundamentals of Soil Mechanics)

This book offers comprehensive information about the fundamental concepts of soil behavior and geotechnical engineering for students, educators and professionals. It explains the types, classification and properties of soil along with its procedure in a clear detailed manner. Covering historical development. Formation, three phase diagram, index as well as engineering properties such as compaction, permeability, seepage analysis, stresses, consolidation and shear strength, the book draws from international standards such as ASTM, KIS. One of the key strengths is clear explanation of complex concepts using real world examples and historical case studies making it a valuable reference across various geotechnical engineering solutions.

#### Salient Features

- It provides fundamental information about the soil formation and its classification.
- It includes detailed information about the index and engineering properties which controls the behaviour of soil.
- It is rich in solved examples and case studies which make it more clear and easy to understand.
- It provides detailed procedure for testing the soil as per Indian standard.
- It includes data from ASTM, BIS and other international standard.
- It includes applications of soil engineering in the field of Civil Engineering.

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- Soil Properties and Its Determination
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- Seepage Analysis
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## Author

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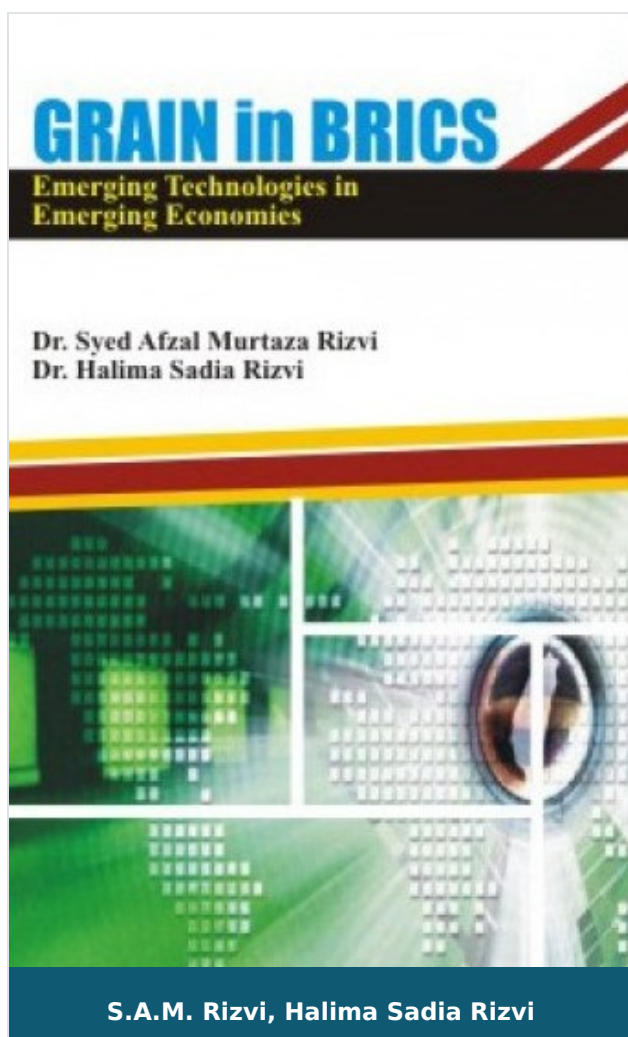
### A. I. Dhatrak

Dr. A.I. Dhatrak (BE, ME, PhD) is an Associate professor at Government college of Engineering, Amravati with over 37 years of teaching experience. He is working as National Executive Council Member for ISTE, New Delhi since 2006. He holds senior positions including chairman – IGS Amravati Chapter, Member BOS at Amravati University, and Ex – Dean Academics at GCOEA. His research interests primarily focus on geotechnical Engineering and Water Resources Engineering along with consultancy

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## GRAIN in BRICS

**Author :** S.A.M. Rizvi, Halima Sadia Rizvi

**ISBN 13 :** 978-93-80016-12-2

**ISBN 10 :** 9380016122

**E-ISBN 13 :** 978-93-80016-12-2

**Edition :** First

**Pages :** 186

**Type of book :** Physical

**Year :** 2010

**Language :** English

**Publisher :** Khanna Publishing House

**M.R.P :** Rs 335.00

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

**Condition Type :** New

**Country Origin :** India

## Product Description

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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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## Author

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### **S.A.M. Rizvi**

Dr. S.A.M. Rizvi is a Ph.D in Computer Science & Engineering, and an internationally recognized Computer Scientist of repute, having more than 25 years of experience out of which seven years as Professor of Computer Science and Academic Administrator in India and Abroad prior to his joining Jamia Millia Islamia, New Delhi, as an Associate Professor and Former Head in the Department of Computer Science. He has taught in (Credit Hour) USA, Australian, UAE and Indian Educational Systems. An Institution Builder, he has to his credit of being Instrumental in establishing Engineering Colleges, Deemed University and attaining these institution the highest level of National and International Accreditation. Dr. Rizvi is an Expert in Software Engineering with numerous publications of research papers and textbooks in the area of Computer Science and its applications. He has been instrumental in designing courses as Chairman and member of BOS and Academic Bodies

of Various Universities and Engineering Colleges.

**Halima Sadia Rizvi**

Dr. Halima Sadia Rizvi is Associate Professor in the Department of Economics at Jamia Millia Islamia New Delhi. A versatile Teacher with in-depth knowledge of the subject of Economics specializes in International Economics and Human Development. A rank holder at Master's Level from Bangalore University, Dr. Rizvi is recipient of Scholarships, fellowships and awards. Dr. Rizvi is an effective speaker and popular Teacher having taught in both India and abroad, viz., at the Universities of Australia, UK and Credit-Hour semester system of USA, besides Goa, Chennai and Delhi in India. A keen researcher has published her articles in peer reviewed and refereed national and International journals. Her work has been immensely appreciated at National and International Conferences; she has extensively traveled in Europe, middle East, Iran and Pakistan.



## Paper Technology and System Design

|                         |                                                                |
|-------------------------|----------------------------------------------------------------|
| <b>Author :</b>         | Susanta Kumar                                                  |
| <b>ISBN 13 :</b>        | 978-93-55389-00-8                                              |
| <b>ISBN 10 :</b>        | 9355389000                                                     |
| <b>E-ISBN 13 :</b>      | 978-93-55389-00-8                                              |
| <b>Edition :</b>        | First                                                          |
| <b>Pages :</b>          | 376                                                            |
| <b>Type of book :</b>   | Physical                                                       |
| <b>Year :</b>           | 2026                                                           |
| <b>Language :</b>       | English                                                        |
| <b>Publisher :</b>      | Khanna Publishing House                                        |
| <b>M.R.P :</b>          | Rs 495.00                                                      |
| <b>Categories :</b>     | <a href="#">Chemical Engineering, New Arrivals, Book Store</a> |
| <b>Condition Type :</b> | New                                                            |
| <b>Country Origin :</b> | India                                                          |

## Product Description

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### Paper Technology and System Design

#### Salient Features of the book

- Highlights the valuable role of knowledge in papermaking techniques and basic engineering.
- Explores advanced technologies and the latest developments in paper manufacturing.
- Draws from the authors' hands-on experience in design and operation of paper plants
- Covers the evolution of plant and machinery from the 18th century to the present day.
- Details process parameters and technical know how presented plant wise with block diagrams.

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- Water Treatment
- Effluent Treatment
- Energy Optimization in Pulp and Paper sector
- Laboratory and testing method
- Instrumentation
- Project cost Estimate
- Printing Process Ink Paper and Nano Technology

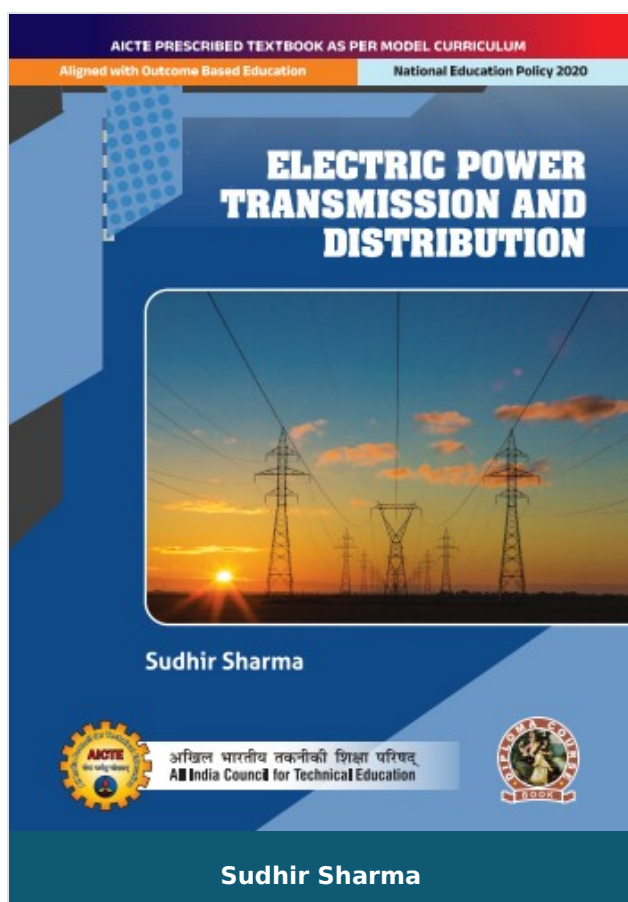
## Author

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### **Susanta Kumar**

Susanta Kumar De was born in Calcutta. He was qualified B. Sc and Paper Technology from city and guilds London Institute. He was the member of Faculty, paper setter and examiner of paper technology in the printing Engineering Department of Jadavpur University Calcutta from the year 1970 to 2002. He served 27 years in the paper and process department of Development Consultants Private Limited (DCPL) from the year

1970 to 1996. He became Chief Engineer of P & P Cell DCPL and also worked 10 years in different paper mills in India and abroad from the year 1959. His main assignment in DCPL was system design. Basic engineering operation, commission of different paper and board mill including write up techno-economic feasibility reports. He took active part particularly in the department of stock preparation paper machine and finishing department of Kerala Newsprint (250 TPD). Nowgon and Cachher paper mills, (150 TPD each), Century Board Mill, (100 TPD) Egg Tray and Apple Project (30 TPD). During his service in DCPL he was the project co-ordinator of Tribeni Tissue Mill, W.B for Energy Study and Audit. He was deputed to capital pulp and Paper mill Bangladesh from Indo German Paper Project as technical advisor for installation of imported tissue machine and MG. Kraft Machine in the Year 1997 to 1999. He was the member of India Technical Association of pulp and Paper and participated various Seminars at the time of his service Period



## Electric Power Transmission and Distribution

|                         |                                                                                          |
|-------------------------|------------------------------------------------------------------------------------------|
| <b>Author :</b>         | Sudhir Sharma                                                                            |
| <b>ISBN 13 :</b>        | 978-93-55385-90-1                                                                        |
| <b>ISBN 10 :</b>        | 9355385900                                                                               |
| <b>E-ISBN 13 :</b>      | 978-93-55385-90-1                                                                        |
| <b>Edition :</b>        | First                                                                                    |
| <b>Pages :</b>          | 212                                                                                      |
| <b>Type of book :</b>   | Physical                                                                                 |
| <b>Year :</b>           | 2026                                                                                     |
| <b>Language :</b>       | English                                                                                  |
| <b>Publisher :</b>      | Khanna Publishing House                                                                  |
| <b>M.R.P :</b>          | Rs 398.00                                                                                |
| <b>Categories :</b>     | <a href="#">AICTE Prescribed Textbooks,</a><br><a href="#">English Books, Book Store</a> |
| <b>Condition Type :</b> | New                                                                                      |
| <b>Country Origin :</b> | India                                                                                    |

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4C/4344, Ansari Road, Daryaganj, New Delhi-110002

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## Product Description

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### Electric Power Transmission and Distribution

Electric power transmission and distribution is a comprehensive textbook designed specifically for three-year electrical engineering diploma students studying in AICTE approved polytechnics. The book aims to thorough understanding of the principles and concepts involved in the transmission and distribution of electric power.

Salient features:

- Content of the book aligned with the mapping course outcomes, programs and Units Outcomes.
- In the beginning of each unit learning outcomes are listed to make the student understand what is expected out of him/her after completing that unit.
- Book provides lots of recent information, interesting facts, QR code for E-resources, QR code for use of ICT, projects, group discussion etc.
- Student and teacher centric subject materials included in book with balanced and chronological manner.
- Figures, tables, and software screen shots are inserted to improve clarity of the topics.
- Apart from essential information a 'know more' section is also provided in each unit to extend the learning beyond syllabus.
- Short questions, objective questions and long answer exercises are given for practice of students after every chapter.
- Solved and unsolved problems including numerical examples are solved with systematic steps.

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- Extra high voltage transmission
- AC distribution system
- Components of transmission and distribution lines
- CO and PO Attainment table

## Author

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### **Sudhir Sharma**

Dr. Sudhir Sharma Associate Professor and Head of Department, Electrical Engineering  
Department