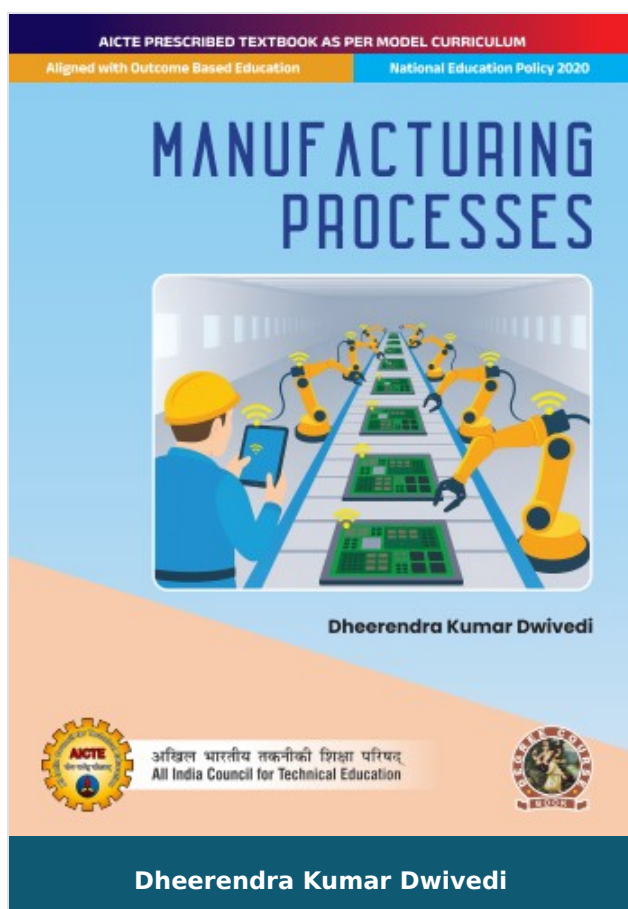




Manufacturing Processes

Author : Dheerendra Kumar Dwivedi

ISBN 13 : 978-93-55387-23-3

ISBN 10 : 9355387237

E-ISBN 13 : 978-93-55387-23-3

Edition : First

Pages : 344

Type of book : Physical

Year : 2026

Language : English

Publisher : Khanna Publishing House

M.R.P : Rs 598.00

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

Condition Type : New

Country Origin : India

Product Description

Manufacturing Processes

This textbook on Manufacturing Processes is designed as per the new syllabus prescribed by the AICTE. The book covers a wide range of topics from geometry and material relationship with manufacturing processes, manufacturing processes to make products of metal, polymer, ceramics and composite material. Fundamentals of conventional, non-conventional and additive manufacturing processes have been presented using detailed schematic diagrams. Additionally mathematical models related to conventional manufacturing processes (casting, forming, machining) have elaborated with supporting solved and unsolved numerical questions. The book provides fundamental understanding on the ways a product of a given material and geometry can be manufactured. This book should satisfy appetite of anyone working or interested to learn manufacturing technologies including students of undergraduate degree program of Mechanical, Manufacturing and Production Engineering in India and abroad.

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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- Foreword
- Acknowledgement
- Preface
- Outcome Based Education
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- Abbreviations and Symbols
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- Guidelines for Students
- Manufacturing processes and classification
- Material shaping processes
- Material removal processes
- Unconventional manufacturing processes
- Additive manufacturing processes
- Joining and fastening processes
- Mathematical Models for Manufacturing processes
- CO and PO Attainment Table
- Index

Author

Dheerendra Kumar Dwivedi

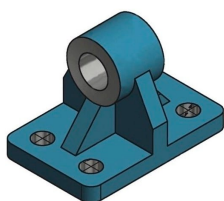
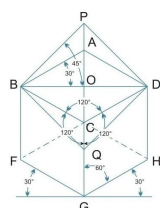
Dr. Dheerendra Kumar Dwivedi Professor, Department of Mechanical and Industrial Engineering Indian Institute of Technology Roorkee

AICTE अनुशंसित पाठ्यपुस्तक - मॉडल पाठ्यक्रम के अनुसार

परिणाम आधारित शिक्षा के साथ संरेखित

राष्ट्रीय शिक्षा नीति 2020

इंजीनियरिंग ग्राफिक्स एवं डिजाइन



प्रदीप जैन

Pradeep Jain

Engineering Graphics & Design

Author : Pradeep Jain

ISBN 13 : 978-93-55381-07-1

ISBN 10 : 9355381077

E-ISBN 13 : 978-93-55381-07-1

Edition : First

Pages : 268

Type of book : Physical

Year : 2023

Language : English

Publisher : Khanna Publishing House

M.R.P : Rs 495.00

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

Condition Type : New

Country Origin : India

Khanna Publishing House

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

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

Product Description

This textbook “Engineering Graphics and Design” is based on the latest outcome based model curriculum of the AICTE. The book covers complete syllabus catering requirements of all major technical universities and institutes and provides insights into traditional engineering graphics as well as treats of the subject using 2D and 3D design software. It offers technical details, current standard, real world examples and clearly explains theory and technique in highly visual and concise format. The topic covered in this book are arranged into 9 chapters comprising self-explanatory diagrams and solved examples.

Salient Features:

1. Introduction of Engineering Drawing
2. Orthographic Projection
3. Projection of Solids
4. Section of Solids and Development of Surfaces
5. Isometric Projection
6. Overview of Computer Graphics
7. CAD Drawing
8. Solid Modelling
9. Team Design Project.

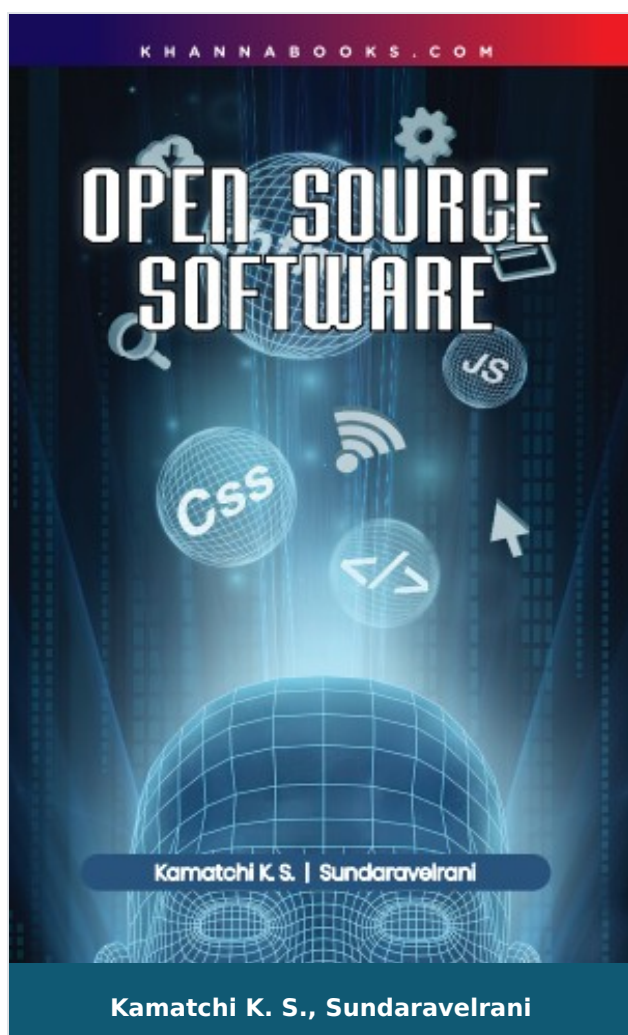
Table Of Contents

- Foreword
- Acknowledgement
- Preface
- Outcome Based Education
- Course Outcomes
- Abbreviations and Symbols
- List of Figures
- List of Tables
- Guidelines for Teacher
- Guidelines for Students
- Introduction of Engineering Drawing
- Orthographic Projection
- Projection of Solids
- Sectional Views of Solids
- Isometric Projection
- Overview of Computer Graphics
- Customisation & CAD
- Annotation Layers and 3D Modelling
- Projects
- Reference
- CO and Po Attainment Table
- Index.

Author

Pradeep Jain

Pradeep Jain has 15 years of experience in teaching and industry in CAD/CAM. presently he is working as an associate professor in the Department of Mechanical Engineering, Ajay Kumar Garg Engineering College, Ghaziabad. He is providing training and consultancy in CAD/ CAM field.



Open Source Software

Author : Kamatchi K. S., Sundaravelrani

ISBN 13 : 978-93-55386-33-5

ISBN 10 : 9355386338

E-ISBN 13 : 978-93-55386-33-5

Edition : First

Pages : 216

Type of book : Physical

Year : 2025

Language : English

Publisher : Khanna Publishing House

M.R.P : Rs 298.00

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

Condition Type : New

Country Origin : India

Product Description

Open Source Software

Open-Source Software (OSS) has fundamentally transformed the modern technological landscape, becoming the backbone of computing by driving innovation, collaboration, and democratizing access to powerful tools.

Open Source Software is a comprehensive guide designed to equip both seasoned developers and newcomers with the theoretical and practical knowledge needed to thrive in the open-source ecosystem. The book starts with an in-depth exploration of the legal landscape, clarifying complex topics such as copyright, patents, and licensing (including GPL, MIT, and Apache) to ensure legal compliance in open-source projects.

The technical journey delves into the foundational tools, including the indispensable GNU/Linux operating system and its core utilities, compilers, and linkers. It masters open-source programming techniques such as version control (Git), code reviews, and effective development toolchains. Ultimately, this text empowers you to contribute to and leverage OSS systems, transforming you from a user into a vital participant in the global open collaboration movement.

Salient Features:

- **Legal and Licensing Mastery:** Comprehensive coverage of Intellectual Property (IP) Rights and the core concepts of Free Software (the four freedoms). Detailed analysis of copyleft licenses (GPL, AGPL) versus permissive licenses (MIT, Apache, BSD).
- **GNU/Linux System Essentials:** Installation and configuration of GNU/Linux distributions, including mastering basic shell commands for file/directory management.

- **Server Configuration:** Practical instruction on setting up and managing open-source Email (Postfix), Web (Apache), File (NFS), and Proxy Services.
- **Programming and Debugging Tools:** Deep understanding of GNU LIBC Libraries, Compilers, and Linkers, along with powerful tools for Memory Debugging/Profiling (Mpatrol and Valgrind).
- **Scripting and Automation:** Hands-on introduction to Bash, SED, and AWK scripting for system automation and data manipulation.
- **GUI Application Development:** Introduction to cross-platform GUI Programming using open-source frameworks like Qt and GTK+, including techniques for Localization.
- **FOSS Philosophy and Trends:** Examination of the FOSS philosophy and trends, including its global and Indian adoption and potential.

Table Of Contents

- Overview Of Free/Open Source Software
- Linux
- Open Source Tools and Technologies for Hardware and E-Mail server
- Understanding GNU LIBC Libraries, compilers and linker
- Open-source Programming Techniques
- Exercise

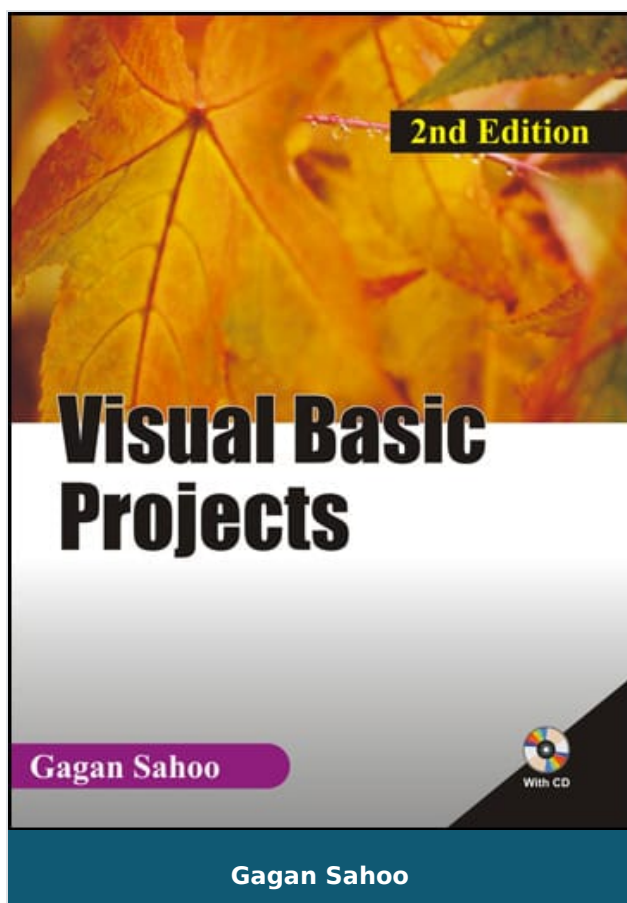
Author

Kamatchi K. S.

P. Jeyanthi, Sankari M., Kamatchi K. S.

Sundaravelrani

Sundaravelrani



Visual Basic Projects

Author :	Gagan Sahoo
ISBN 13 :	978-81-87325-12-3
ISBN 10 :	8187325127
E-ISBN 13 :	978-81-87325-12-3
Edition :	Second
Pages :	524
Type of book :	Physical
Year :	2013
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 350.00
Categories :	Computer Science Engineering, Project Books, Book Store
Condition Type :	New
Country Origin :	India

Product Description

In this book projects are drawn from various fields with step by step execution. Complete coding and listing is available on CD for Lab Exams.

Table Of Contents

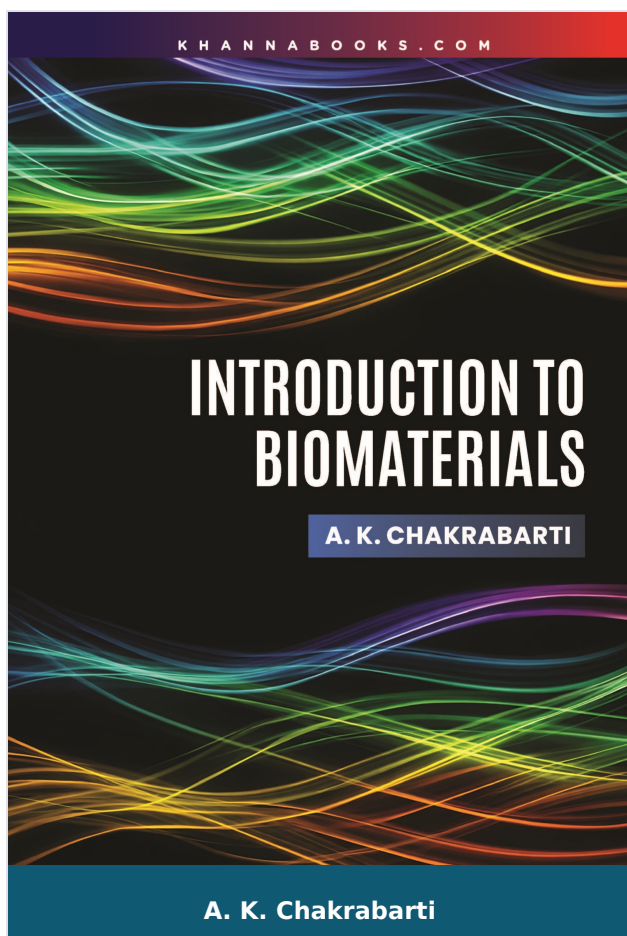
- Pay Manager
- Banking System
- School Management System
- Accounts Receivable System
- Amusement Park System
- Nursing Home Automation System
- Sales Management System
- Math Test
- Chart Master
- Notepad Editor
- Screen Blanker
- Tank Fighting
- Tic Tac Toe
- Star War Game.

Author

Gagan Sahoo

Gagan Sahoo This well -organized and comprehensive book offers a detailed coverage on Visual Basic Programming concept. It contains a rich collection of examples, exercises and project based concepts. This book concentrates on the principles of good software engineering and stresses program clarity. without assuming and background knowlwdge of programming, this book teaches VB language using carefully graded approach. The book covers easy-to understand steps, from simple programs to sophisticated ones that demonstrate VBs power for programming development. Using this book you can create

different application starting from desktop application; database Handling to Internet based programming. The book contains 100's source codes in different chapters in CD. He has more than 15 Years of experience in the computer field working as a software developer, director of software development. He is a well-known author of various computer books including, VB, C++, Java. Since last 10 years, he has lots of experience in different computer project works. He has written number of project books including Foxpro, C, C++, Vb, etc. He associates Mr. Arvind Kumar working as co-author in various technical projects in .NET technology. He has been Programming in various .NET project and tested so many code on Microsoft's .NET environment. His prime development of Beginner's Guide to VB, C# 2005 (with .NET 3.0), ASP.NET, VB.NET, etc. Which was written to fulfill the need and development guide for the students and developers.



Introduction To Biomaterials

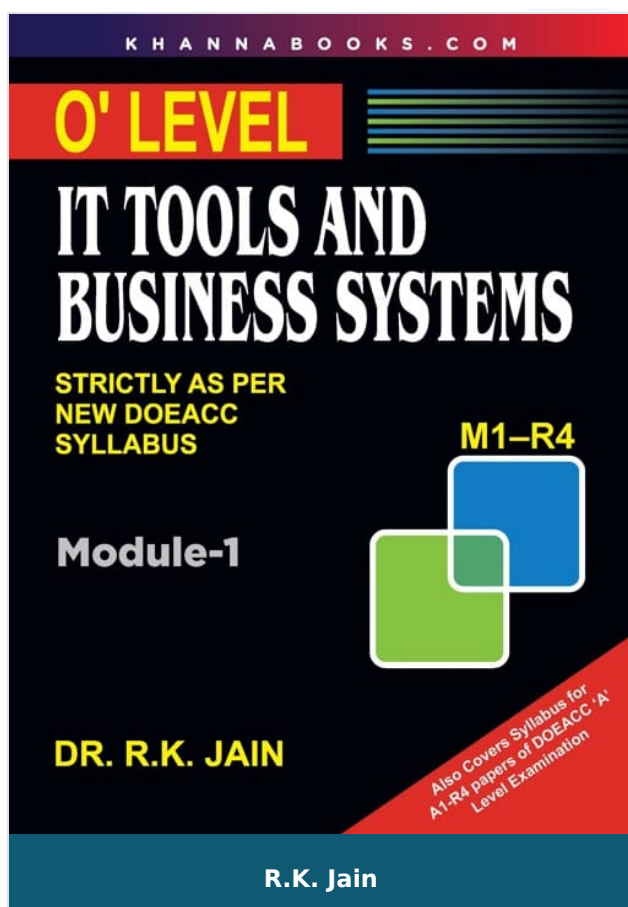
Author :	A. K. Chakrabarti
ISBN 13 :	978-93-74548-69-1
ISBN 10 :	9374548690
E-ISBN 13 :	978-93-74548-69-1
Edition :	First
Pages :	116
Type of book :	Physical
Year :	2026
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 245.00
Categories :	Chemical Engineering, New Arrivals, Book Store
Condition Type :	New
Country Origin :	India

Product Description

Introduction To Biomaterials

Author

A. K. Chakrabarti



IT Tools and Business Systems

Author :	R.K. Jain
ISBN 13 :	978-93-80016-61-0
ISBN 10 :	9380016611
E-ISBN 13 :	978-93-80016-61-0
Edition :	1
Pages :	352
Type of book :	Physical
Year :	2024
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 450.00
Categories :	NIELIT / DOEACC Books, Computer Science Engineering, Book Store
Condition Type :	New
Country Origin :	India

Product Description

Written strictly according to the syllabus for M1-R4 paper of 'O' Level as prescribed by DOEACC examination, it covers various topics of basic internet technology like word Processing, spreadsheet presentation and database operations. Each topics is covered in a separate chapter and has questions as described by DOEACC guidelines. Students reading this book and solving all the questions given with the chapters and the sample papers at the end of it are sure of getting through the exams. Special features of the book are review question at the end of each chapter, Sample papers at the end of the book, Glossary and index is provided too, wherever necessary topics are explained with screen shots.

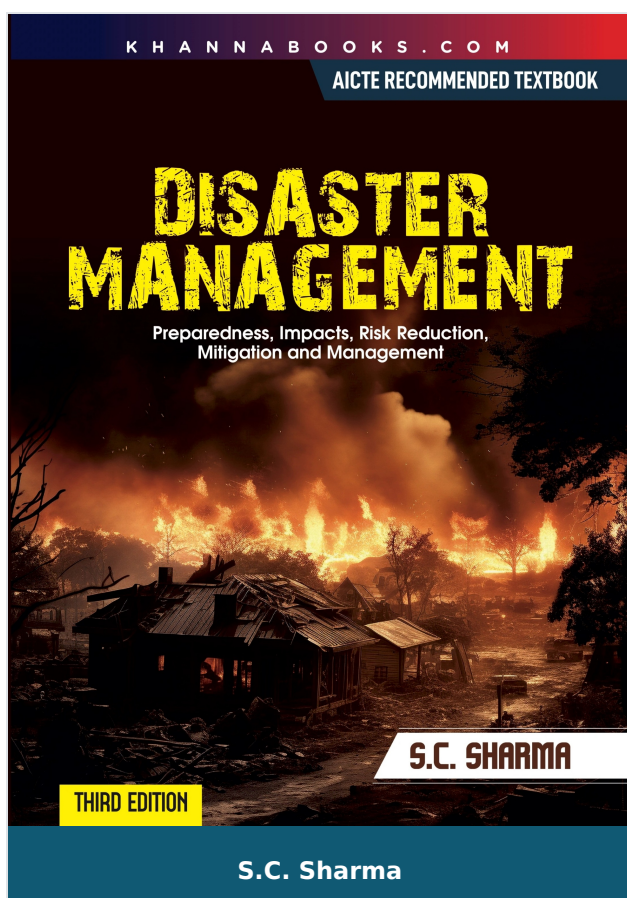
Table Of Contents

- Computer Appreciation
- Computer Organization
- Input and Output Devices
- Multimedia and other Software
- Operating System Microsoft Windows
- Linux Operating System
- Word Processing
- Spreadsheets
- Presentations
- Databases
- Information Technology and Society
- Sample Paper
- Glossary

Author

R.K. Jain

Dr. R.K. Jain studied at IIT Powai and submitted his thesis for Ph.D at IIT Delhi. He has held various important posts in the past. At present he is advisor to various universities on setting up of a computer department and setting up of the syllabus for the same. With his knowledge of the various computer topics, he is an ideal choice for writing these kinds of books.



Disaster Management

Author :	S.C. Sharma
ISBN 13 :	978-93-55383-96-9
ISBN 10 :	9355383967
E-ISBN 13 :	978-93-55383-96-9
Edition :	3
Pages :	248
Type of book :	Physical
Year :	2025
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 325.00
Categories :	Civil Engineering, New Arrivals, Civil Engineering, Book Store
Condition Type :	New
Country Origin :	India

Product Description

This book on "Disaster Management" deals with different types of disasters, their basic concepts, impacts, preparedness, capacity building, prevention, mitigation, response relief, hazards, vulnerability, and disaster prone areas in India.

This books deals natural disaster like, earthquakes, floods, cyclones, avalanches, droughts, forest fires, volcanic eruptions, landslides, extreme temperature etc. and also man-made disaster like, industrial accidents, fires, refugee situation, chemical and industrial hazard, nuclear radiation, major power breakdown, desertification etc.

The book cover the syllabi of different Universities and model syllabus of AICTE.

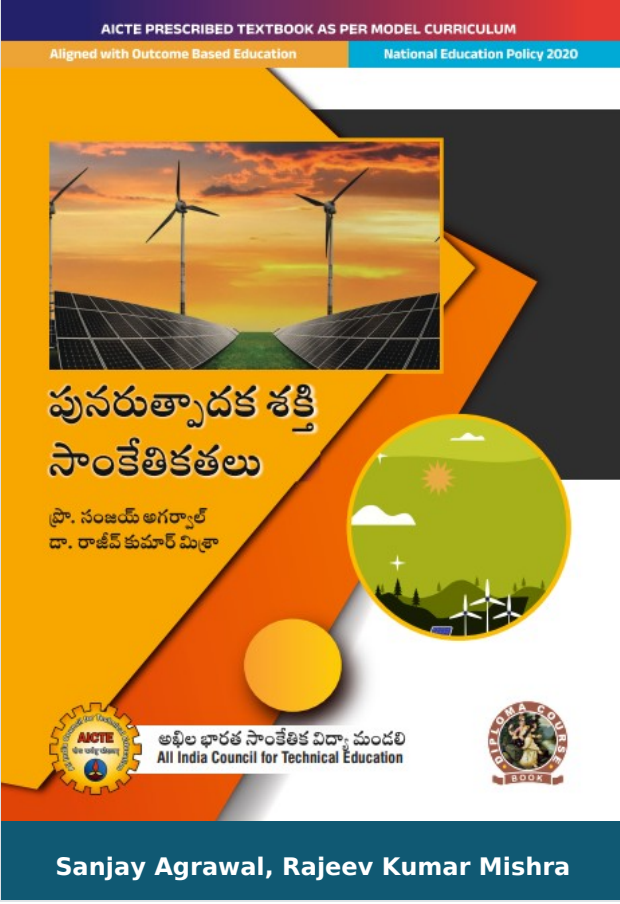
Table Of Contents

- Introduction to disaster Management (Concepts and Definition)
- Disaster Classification
- Natural Disasters
- Man-Made Disasters
- Disaster Preparedness and Management
- Disaster Mitigation
- Disaster Prone (Hazard Vulnerable) Areas In India
- Risk Assessment and its Management
- Disaster Impacts
- Environmental Challenges
- Disaster, Environment and Development
- Legislation and Government Role on Disaster Risk Reduction.

Author

S.C. Sharma

S.C. Sharma after graduation in 1966 joined as lecturer in Mechanical Engineering. He had been associated for more than 4 decades in various fields including learning and management of projects in India and abroad in different capacities. While working Hydro power projects for more than 15 years he has actively associated with various environmental and rehabilitation & resettlement issues and successfully resolved various complicated issues. He has also worked as consultant for matters related to safety, environment and R & R. He has written about a dozen books on subjects related to engineering and management including management of projects.



Renewable Energy Technologies

Author : Sanjay Agrawal, Rajeev Kumar Mishra

ISBN 13 : 978-93-55385-74-1

ISBN 10 : 9355385749

E-ISBN 13 : 978-93-55385-74-1

Edition : First

Pages : 312

Type of book : Physical

Year : 2026

Language : English

Publisher : Khanna Publishing House

M.R.P : Rs 498.00

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

Condition Type : New

Country Origin : India

Product Description

Renewable Energy Technologies

The Book “Renewable Energy Technologies” is an up-to-date textbook based on the latest syllabus provided by AICTE. The book begins with the present status of conventional and renewable energy availability and consumption in India and World. It then goes on discussing different types of renewable energy resources like solar PV and concentrated solar power, wind power generation, hydropower plants and biomass-based power plants. Other renewable energy sources such as tidal energy, wave energy, OTEC, geothermal energy, hydrogen energy and fuel cell are also introduced. Practical based on the chapter is also provided at the of every chapter.

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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- Guidelines for Students
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- List of Tables
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- Large Wind Power Plants
- Small Wind Turbines
- Micro-Hydro Power Plants
- Biomass-Based Power Plants
- Other Renewable Energy Sources
- CO and PO Attainment Table

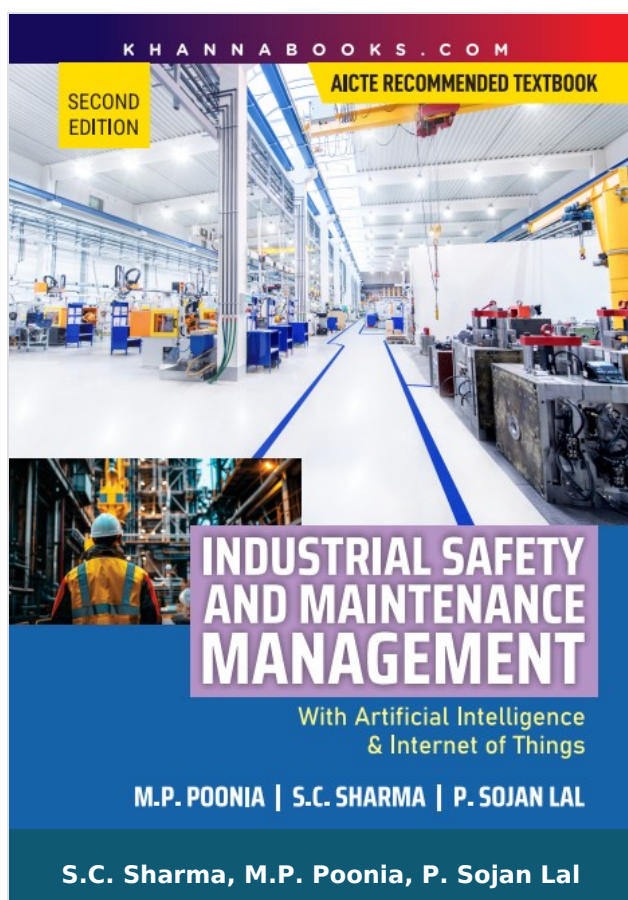
Author

Sanjay Agrawal

Prof. Sanjay Agrawal Vice Chancellor and Professor Department of Electrical Engineering,
Swami Vivekanand Technical University, Bhilai, Chhattisgarh Dr.

Rajeev Kumar Mishra

Dr. Rajeev Kumar Mishra Associate Professor, Department of Applied Sciences (Physics),
Galgotias College of Engineering and Technology, Greater Noida, Uttar Pradesh



Industrial Safety and Maintenance Management (With Artificial Intelligence & Internet of Things)

Author : S.C. Sharma, M.P. Poonia, P. Sojan Lal

ISBN 13 : 978-93-55389-48-0

ISBN 10 : 9355389485

E-ISBN 13 : 978-93-55389-48-0

Edition : Second

Pages : 452

Type of book : Physical

Year : 2026

Language : English

Publisher : Khanna Publishing House

M.R.P : Rs 550.00

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

Condition Type : New

Country Origin : India

Product Description

In the age of industrialization having main focus on increased production, higher productivity, stringent quality, minimizing cost etc., it has become essential to have more knowledge on industrial safety and various hazards with their remedial measures. Maintenance aspects are also gaining importance, as they have substantial impact on production, productivity, workers safety and their health and working environment. Neglect of safety in an industry at any stage. from concept to design, erection, commissioning, operation and maintenance of plant and machinery may lead to loss of life, production and money. It is hoped that this book will be very useful for the engineering student and professionals. The book covers the AICTE model curriculum and the syllabi of various other Indian university on the subject.

Table Of Contents

- PART - 1: INDUSTRIAL SAFETY
- Safety Concept
- Accidents and Their Prevention
- Accident Investigation and Reporting
- Safety Management
- She Audit and Safety Management Techniques
- Hazards
- Occupation Health and Hygiene
- Ergonomics (Human Engineering)
- Safety Performance
- Fire and Explosions
- Fire Prevention, Protection and Control
- Electrical Safety
- Common Hazards in Construction Industry
- Hazards in Industry and Safe Working Practice
- Safety in Materials Handling and Storage
- Personal Protection Equipment (PPE)
- Occupation Health and Safety Management System
- First Aid and Medical Care
- PART - 2: MAINTENANCE MANAGEMENT
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- Maintenance Strategies/Types
- Reliability Engineering

- Maintenance, Availability and Failure Analysis
- Replacements Economics
- Maintenance and Repairs of Defects/Failures
- INDEX

Author

S.C. Sharma

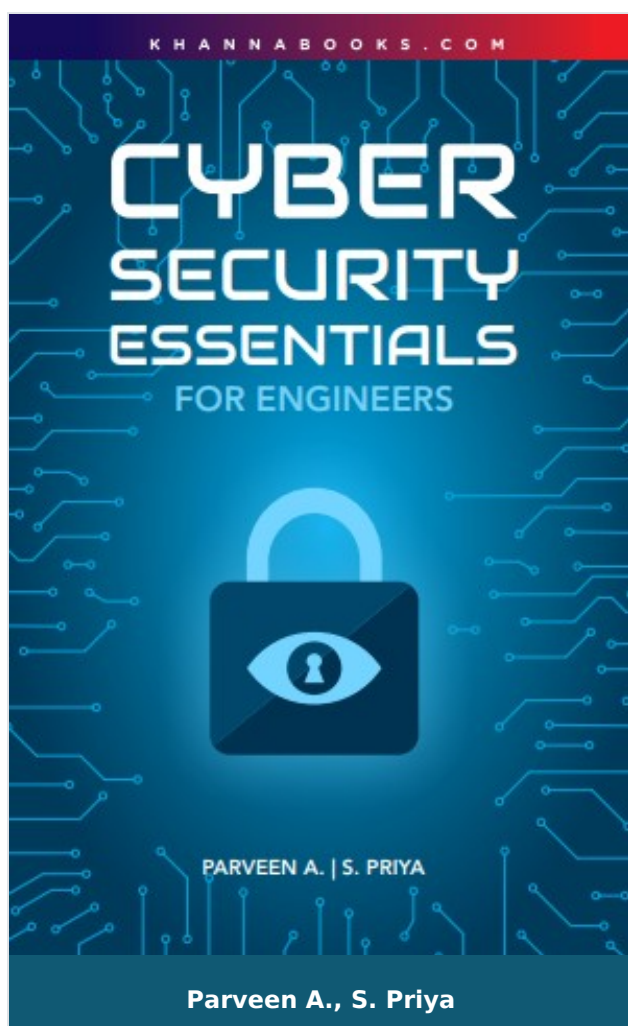
S.C. Sharma after graduation in 1966 joined as lecturer in Mechanical Engineering. He had been associated for more than 4 decades in various fields including learning and management of projects in India and abroad in different capacities. While working Hydro power projects for more than 15 years he has actively associated with various environmental and rehabilitation & resettlement issues and successfully resolved various complicated issues. He has also worked as consultant for matters related to safety, environment and R & R. He has written about a dozen books on subjects related to engineering and management including management of projects.

M.P. Poonia

Dr. M.P. Poonia is presently serving as Vice Chairman, All India Council for Technical Education (AICTE). Prior to this, he remained as Director, National Institute of Technical Teachers' Training and Research (NITTTR), Chandigarh. Dr. Poonia is the recipient of Bharat Mata Award conferred by Indian Institute of Oriental Heritage (an International Institute of Oriental Studies and Research, Kolkata). Dr. M.P.Poonia is specialized in the field of Mechanical Engineering. He possesses a vast experience of 30 years. He has published 80 research papers in National and International Journals and published 8 books with M/s. Khanna Book Publishing Company.

P. Sojan Lal

P. Sojan Lal was awarded PH. D. from Cochin University of Science and technology, kerala, India. He is Professor, department of computer science and engineering, MBITS, kerala, India and Research supervisor for PH. D. programs of University of petroleum & Energy Studies, Dehardun, India as well as school of computer science, Mahatma Gandhi University, kerala, India. He has 29 Years of academic and industrial experience with 60 publications inclusive of two technical books. His joint publications are recorded with world records India (2014) for most number of papers in several international technical journals within short duration. He has also obtained MBA from starthclyde Business School, Scotland, UK and is a fellow of the Institution of engineers (FIE-India). He was the district Operationg Board member for ASME, Middle east and Africa region. He is a member of ISTE, ASME, IEEE, CSI and engineering Council (UK). He is listed in marquis who's who in the world since 2009 as the biographical reference representing the world's most accomplished individuals.



Cyber Security Essentials For Engineers

Author : Parveen A., S. Priya

ISBN 13 : 978-93-55388-52-0

ISBN 10 : 9355388527

E-ISBN 13 : 978-93-55388-52-0

Edition : First

Pages : 72

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

Cyber Security Essentials For Engineers

In today's interconnected world, security is not an add-on; it is an essential engineering discipline. Cybersecurity Essentials for Engineers is the practical, hands-on guide built specifically for engineers, developers, and IT professionals who need to do more than define security—they need to build it.

This book provides a robust foundation, starting with the core security principles: Confidentiality, Integrity, and Availability (CIA Triad), supplemented by critical mechanisms like Authentication and Non-repudiation. It then dives into the technical details of securing communications, exploring the evolution of protocols like SSL/TLS, WPA2, S/MIME, and PGP.

Moving beyond theory, the text focuses on real-world implementation, teaching you to analyze cipher suite negotiations, identify potential attack vectors, and navigate the crucial trade-offs between security and system performance. Packed with practical insights, ethical hacking exercises, and case studies, this resource ensures you are equipped to design, implement, and maintain truly resilient digital systems.

Salient Features:

- **Engineering-Centric Foundation:** Master the CIA Triad (Confidentiality, Integrity, Availability) and the importance of robust Authentication and Non-repudiation mechanisms.
- **Protocol Mastery:** Detailed examination of secure communication protocols, tracing their evolution from early standards (SHTTP, WEP, SET) to modern essentials (SSL/TLS, WPA, WPA2).
- **Secure Email and Trust Models:** In-depth coverage of S/MIME, PEM, and PGP, contrasting the PKI and Web of Trust models and addressing key management

challenges.

- **Practical Attack Analysis:** Learn through packet analysis and ethical hacking exercises to understand implementation details and uncover real-world vulnerabilities.
- **Performance vs. Security:** Explore the critical trade-offs between high security, performance, and usability in system design.
- **Dispelling Myths:** Directly addresses and corrects common security misconceptions, such as "encryption alone guarantees security" or "hiding the SSID is enough."
- **Best Practices:** Emphasizes the need for strong passwords/passphrases and the continuous imperative to stay current with emerging threats and protocol updates.

Table Of Contents

- Preface
- Introduction to Cybersecurity
- Cybersecurity – Threats & Attacks
- Security Tools & Technologies
- Cryptography
- Protocols for Secure Communication

Author

Parveen A.

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

S. Priya

S. Priya Associate Professor, Dept of CSE, Sathyabhama Institute of Science and Technology