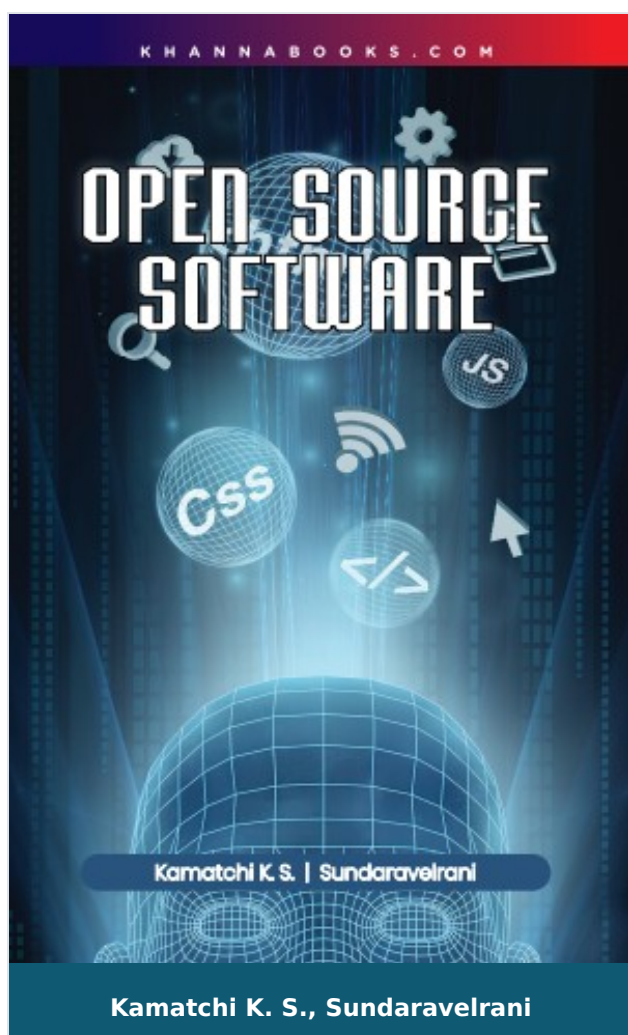




Open Source Software

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

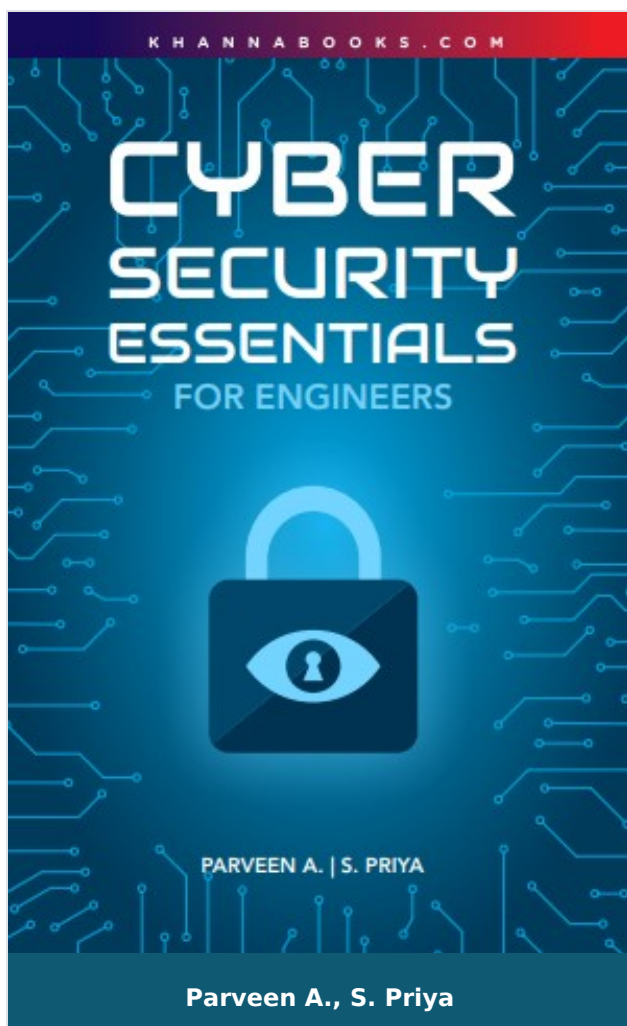
Author

Kamatchi K. S.

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

Sundaravelrani

Sundaravelrani



Cyber Security Essentials For Engineers

Author : Parveen A., S. Priya

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

ISBN 10 : 9355388527

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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

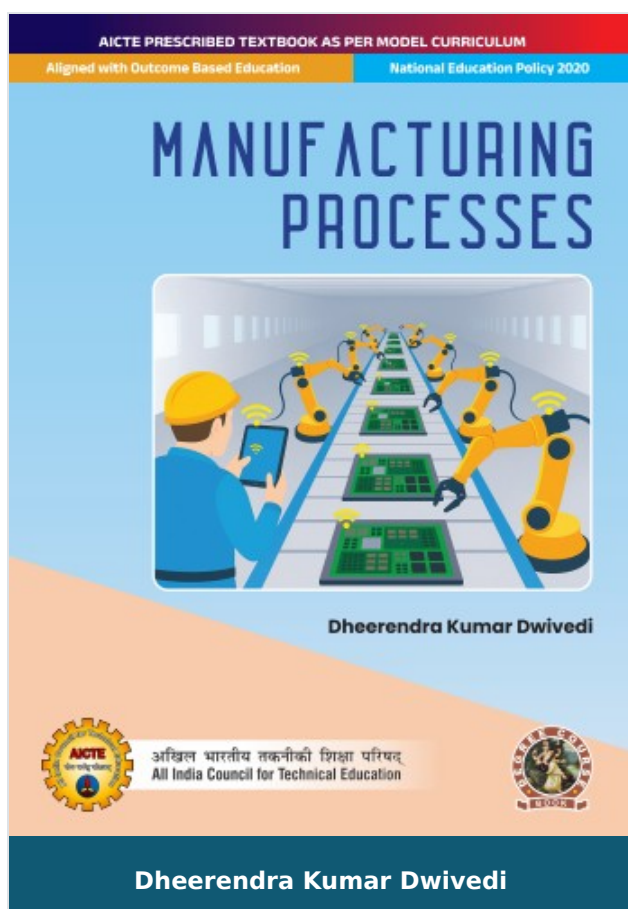
Author

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



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

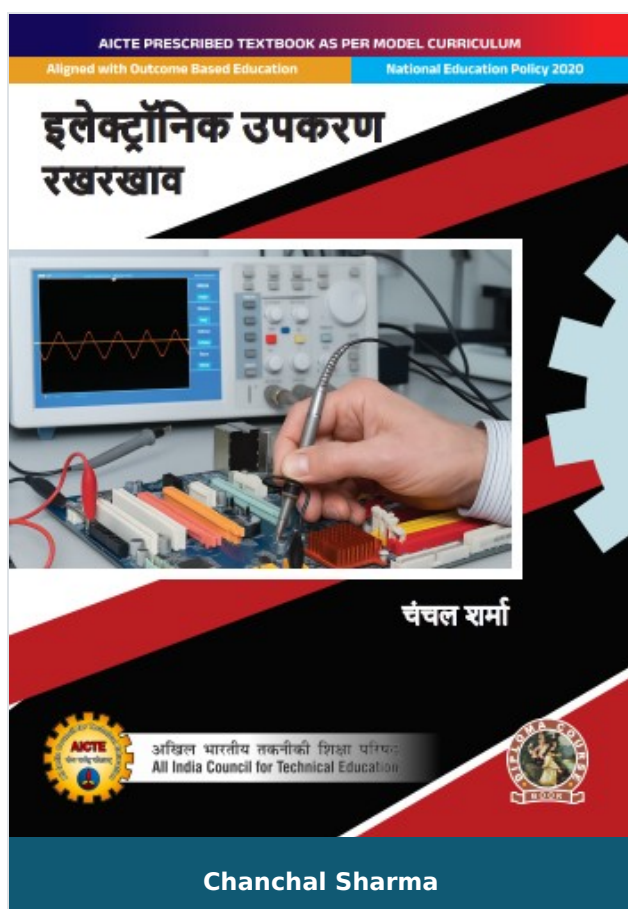
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- Foreword
- Acknowledgement
- Preface
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- Course Outcomes
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- Guidelines for Teachers
- Guidelines for Students
- Manufacturing processes and classification
- 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



Electronic Equipment Maintenance

Author :	Chanchal Sharma
ISBN 13 :	978-93-55383-29-7
ISBN 10 :	9355383290
E-ISBN 13 :	978-93-55383-29-7
Edition :	First
Pages :	220
Type of book :	Physical
Year :	2026
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 325.00
Categories :	AICTE Prescribed Textbooks, Hindi Books, Book Store
Condition Type :	New
Country Origin :	India

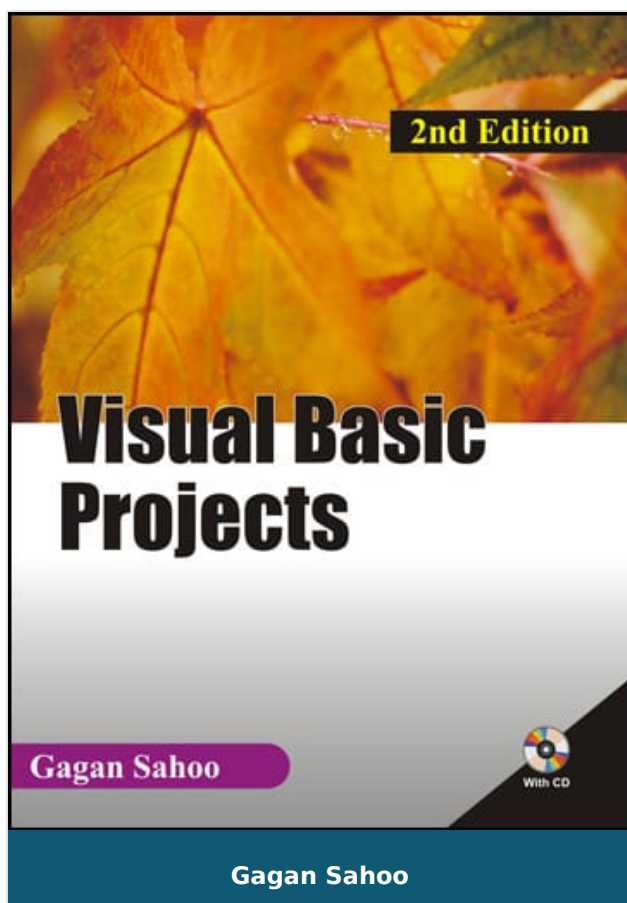
Product Description

Electronic Equipment Maintenance

Author

Chanchal Sharma

Dr. Chanchal Sharma Professor, Dept. of Electronics and Communication Engineering
(ECE) Arya College of Engineering and IT Jaipur (Rajasthan)



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

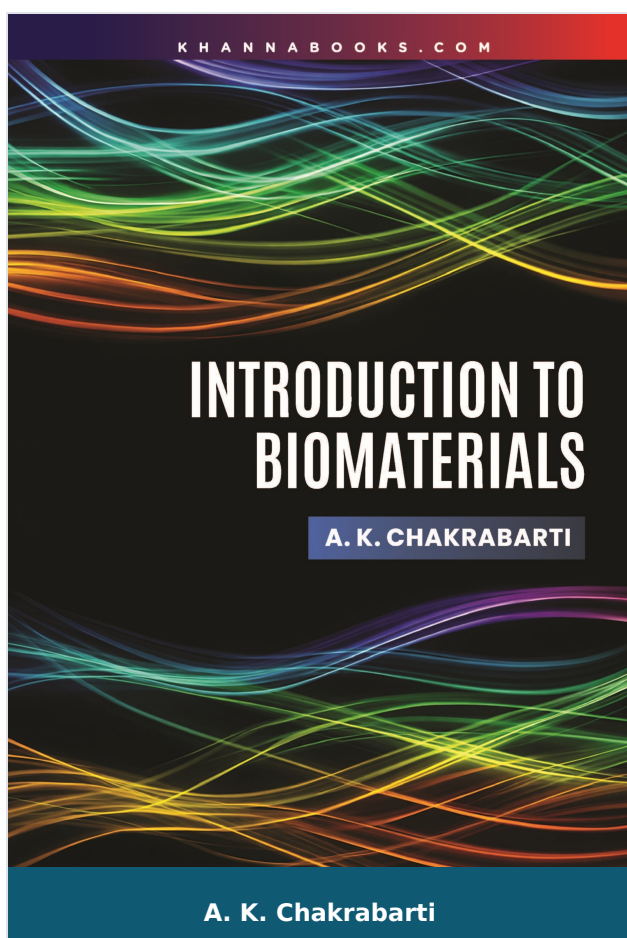
- Pay Manager
- Banking System
- School Management System
- Accounts Receivable System
- Amusement Park System
- Nursing Home Automation System
- Sales Management System
- Math Test
- Chart Master
- Notepad Editor
- Screen Blanker
- Tank Fighting
- Tic Tac Toe
- Star War Game.

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

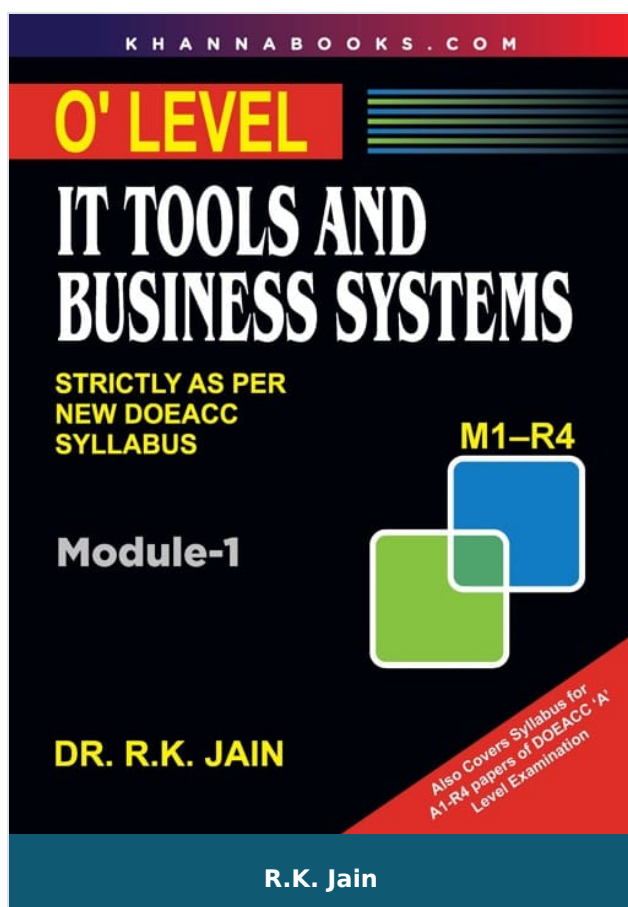
Author :	A. K. Chakrabarti
ISBN 13 :	978-93-74548-69-1
ISBN 10 :	9374548690
E-ISBN 13 :	978-93-74548-69-1
Edition :	First
Pages :	116
Type of book :	Physical
Year :	2026
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 245.00
Categories :	Chemical Engineering, New Arrivals, Book Store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

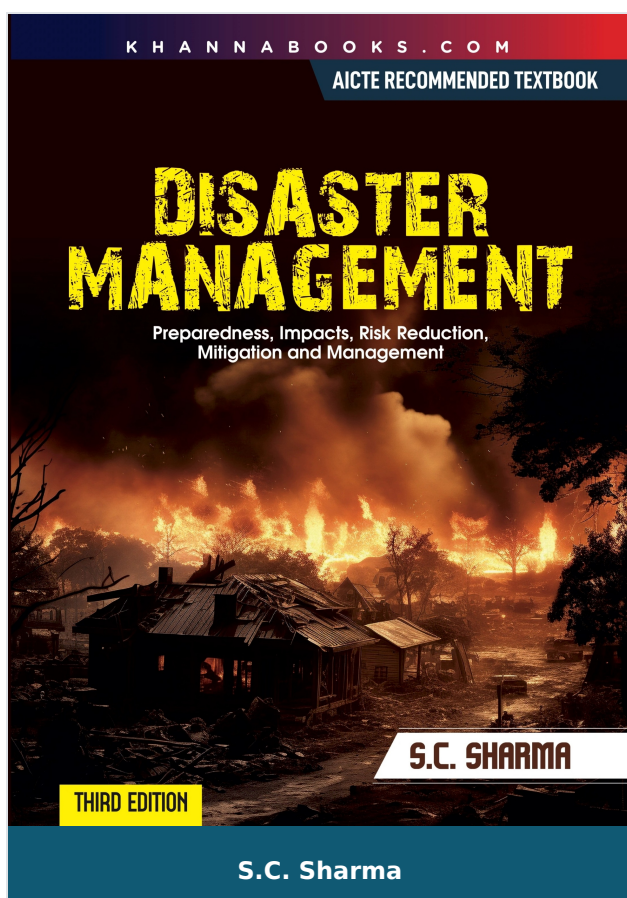
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- Multimedia and other Software
- Operating System Microsoft Windows
- Linux Operating System
- Word Processing
- Spreadsheets
- Presentations
- Databases
- Information Technology and Society
- Sample Paper
- Glossary

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.

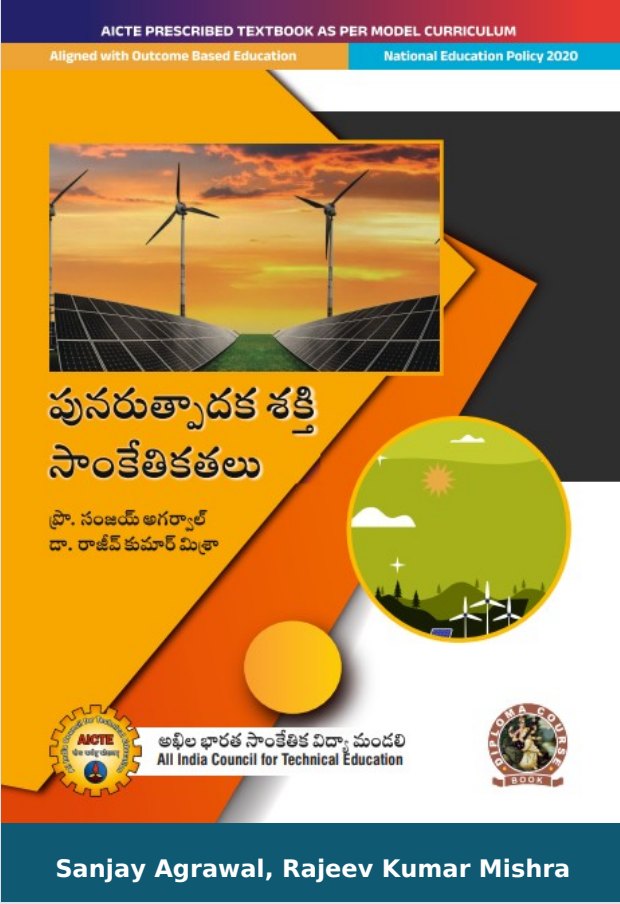
Table Of Contents

- 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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- Solar PV and Concentrated Solar Power Plants
- Large Wind Power Plants
- Small Wind Turbines
- Micro-Hydro Power Plants
- Biomass-Based Power Plants
- Other Renewable Energy Sources
- CO and PO Attainment Table

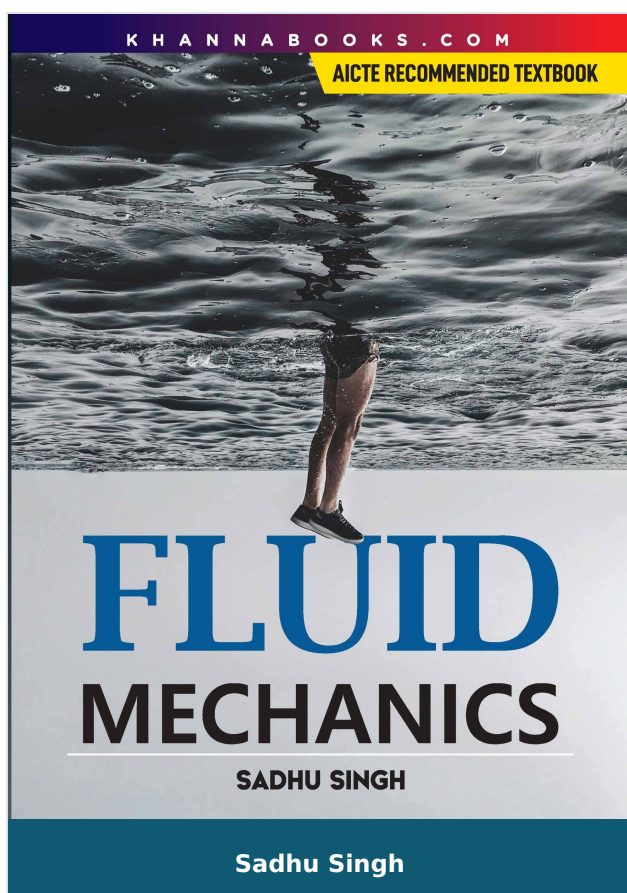
Author

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Rajeev Kumar Mishra

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



Fluid Mechanics | AICTE Recommended Textbook

Author :	Sadhu Singh
ISBN 13 :	978-93-81068-65-6
ISBN 10 :	9381068658
E-ISBN 13 :	978-93-81068-65-6
Edition :	First
Pages :	680
Type of book :	Physical
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Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 495.00
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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 book is a textbook for the B.E./B. Tech. students of All Indian Universities and Institutions. The subject matter has been explained in the simplest possible way for easy assimilation by the students. This has been reinforced by a large number of solved examples. A large number of solved examples, short answer type questions chapter wise. Unsolved end-of chapter exercises. Multi-choice questions from ESE/CSE/GATE.

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- Fluid Properties
- Fluid Statics
- Fluid Kinematics
- Fluid Dynamics
- Compressible Fluid Flow
- Viscous Flow
- Flow Through Pipes
- Boundry Layer flow
- Turbulent Flow
- Fluid Measurement
- Dimensional and Model Analysis
- Notches and Weirs
- Flow through Open Channels
- Potential Flow
- Multiple Choice Questions
- Index

Author

Sadhu Singh

Dr. Sadhu Singh is a retired professor of Mechanical Engineering of Govind Ballabh Pant university of Agriculture & Technology, Pantnagar. He graduated in Mechanical Engineering with Hons, from Punjab University, Chandigarh, M.Sc. (Mechanical Design & Production Engineering) and Ph.D. from Kurukshetra University, Kurukshetra. His teaching experience spans 15 years at Regional Engineering College (now NIT), Kurukshetra and

19 years at Pantnagar University. He has been Professor & Head, Mechanical Engineering Department and Dean, Faculty of Engineering & Technology at Pantnagar. He has been Director (Colleges). Punjab Technical University, Jalandhar.