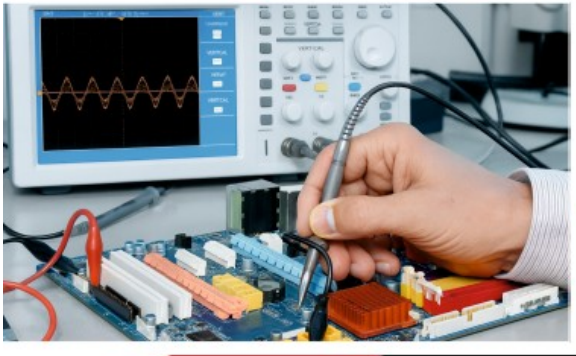


AICTE PRESCRIBED TEXTBOOK AS PER MODEL CURRICULUM

Aligned with Outcome Based Education

National Education Policy 2020

ఎలక్ట్రానిక్ పరికరాల నిర్వహణ



చెంచల్ శర్మ



అఖిల భారత సాంకేతిక విద్యా మండలి
All India Council for Technical Education



Electronic Equipment Maintenance

Author :	Chanchal Sharma
ISBN 13 :	978-93-55386-60-1
ISBN 10 :	93-55386-60-5
E-ISBN 13 :	978-93-55386-60-1
Edition :	First
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Publisher :	Khanna Publishing House
M.R.P :	Rs 398.00
Categories :	AICTE Prescribed Textbooks, Telugu Books
Condition Type :	New
Country Origin :	India

Product Description

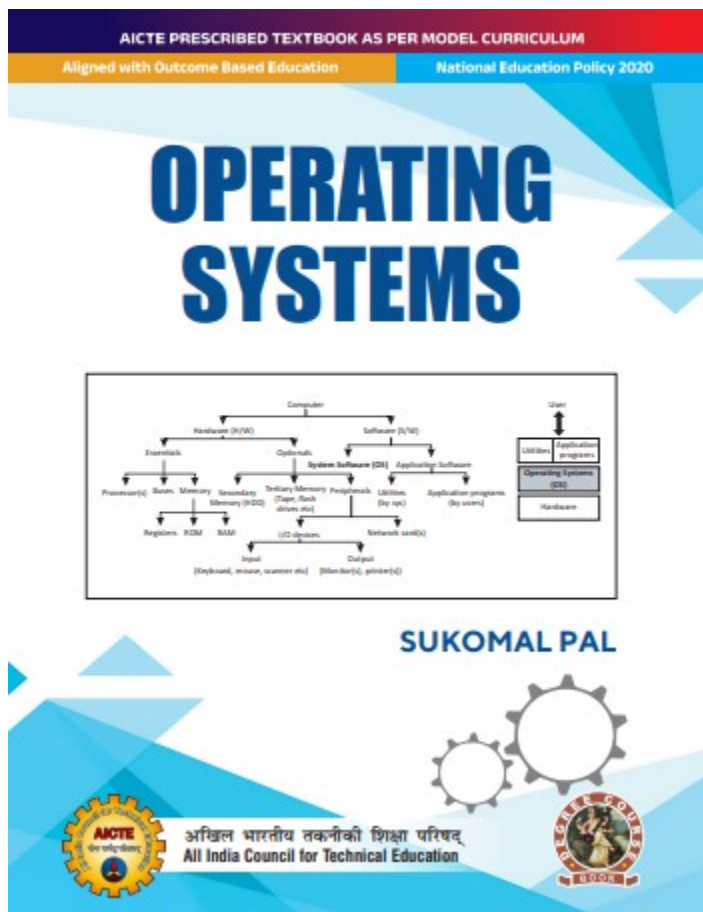
Electronic Equipment Maintenance



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



Operating Systems

Author :	Sukomal Pal
ISBN 13 :	978-93-55385-47-5
ISBN 10 :	93-55385-47-1
E-ISBN 13 :	978-93-55385-47-5
Edition :	First
Pages :	248
Type of book :	Paperback
Year :	2026
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 458.00
Categories :	AICTE Prescribed Textbooks, English Books
Condition Type :	New
Country Origin :	India

Product Description

Operating Systems This book aims to introduce the undergraduate students to Operating Systems (OS). An operating system acts as an intermediary between the users of different computing systems and the users. The book is written according to the AICTE-prescribed syllabus. Each topic is treated in a lucid and easy manner relating to real life examples and QR code links to supplementary and online materials. **Salient Features:**

- Content is aligned with the mapping of Course Outcomes, Program Outcomes and Unit Outcomes.
- Unit prerequisites are mentioned in the beginning of each unit to prepare the students with necessary background.
- The learning outcomes are also listed before starting a unit so that the student understands what (s)he can gain after completing the unit.
- Textual content is complemented by a number of illustrations, images, figures, graphs, tables so that students can grasp the matter well.
- A number of multiple-choice questions as well as questions of short and long answer types following Bloom’s taxonomy and assignments through a number of numerical problems are added to consolidate the learning of a student.
- A list of references and suggested readings are provided at the end of each unit.
- A set of URLs and QR codes are provided in different sections which can be accessed or scanned for relevant supportive knowledge.
- “Know More” section along with a list of suggested readings and references are added at the end of each section for supplementary information to cater to the inquisitiveness and curiosity of the students

Table of Contents

UNIT 1: INTRODUCTION UNIT 2: PROCESSES, THREADS and their scheduling UNIT 3: INTERPROCESS COMMUNICATION and PROCESS SYNCHRONIZATION UNIT 4: DEADLOCKS UNIT 5: MEMORY MANAGEMENT UNIT 6: I/O MANAGEMENT REFERENCES AND FURTHER LEARNING INDEX

Author

Dr. Sukomal Pal Associate Professor, Department of Computer Science & Engineering IIT (BHU), Varanasi, UP



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Introduction to e-Governance

Author :	Kamal Kant Verma
ISBN 13 :	978-93-55384-29-4
ISBN 10 :	93-55384-29-7
E-ISBN 13 :	978-93-55384-29-4
Edition :	First
Pages :	248
Type of book :	Paperback
Year :	2026
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 438.00
Categories :	AICTE Prescribed Textbooks, English Books
Condition Type :	New
Country Origin :	India

Product Description

Introduction to e-Governance This book gives detailed description about introduction to e-governance, information and communication technology trends, e-government project, e-governance life cycle, architecture of e-governance and cyber laws. Logical organization and wide variety of e-governance with their detailed explanations makes this book a perfect offering on the subject. 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.
- After completion of each chapter, a summary of the unit is also provided apart from essential information.
- Short questions, objective questions and long answer exercises are given for practice of students after every chapter.
- After each chapter ` references and suggested readings' is also provided for deeper understanding of the concepts.

Table of Contents

Foreword Acknowledgement Preface Outcome Based Education Course Outcomes Guidelines for Teachers Guidelines for Students Abbreviations and Symbols List of Figures List of Figures

- Introduction to e-Governance
- Government process re-engineering
- Architecture and models of E-governance
- Focus on Indian initiatives
- Evaluation of e-governance projects

References for Further Learning CO and PO Attainment Table Index



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Author

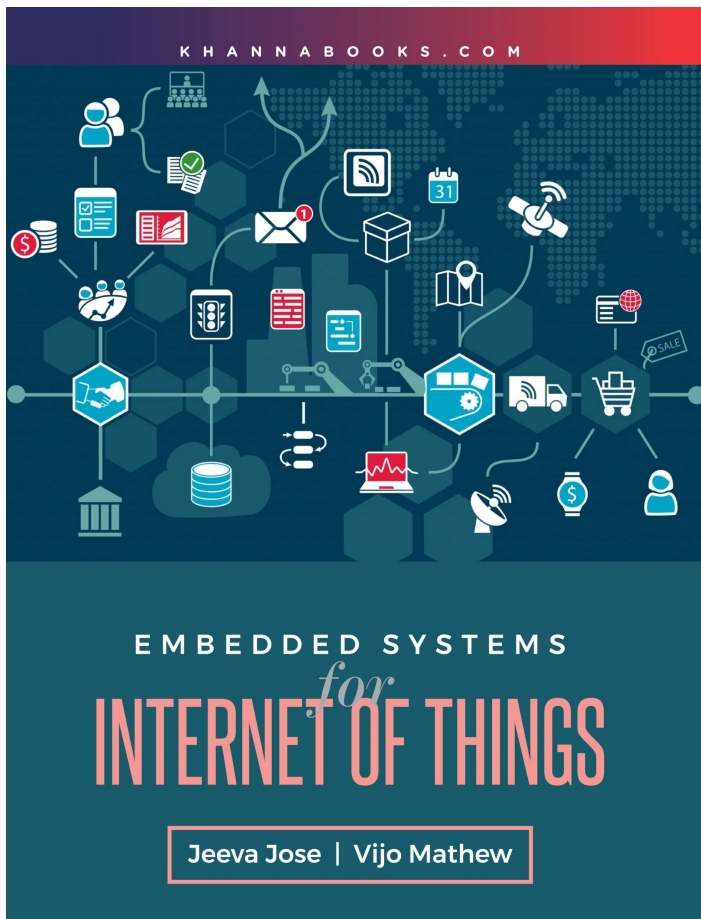
Dr. Kamal Kant Verma Professor, IILM University



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



Embedded Systems for Internet of Things

Author :	Jeeva Jose
ISBN 13 :	978-93-55387-75-2
ISBN 10 :	93-55387-75-X
E-ISBN 13 :	978-93-55387-75-2
Edition :	1
Pages :	248
Type of book :	Paperback
Weight (g) :	370.00
Year :	2025
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 350.00
Categories :	Emerging Technologies
Condition Type :	New
Country Origin :	India

Product Description

Salient Features of The Book 1. Covers complete AICTE syllabus of IoT-04 minor degree course-Embedded systems for IoT. **2.** Each Chapter is provided with objective questions with answers and review questions**3.** The full form of the explanation of the abbreviations used are given in each chapter. **4.** Meets the requirements of India's National Education Policy 2020 (NEP 2020).

Table of Contents

Chapter 1: IoT Design Methodology. **Chapter 2:** Embedded Systems. **Chapter 3:** Embedded System Design. **Chapter 4:** Inputs and Outputs. **Chapter 5:** Embedded System Platforms & IDE. **Chapter 6:** IoT Sensing Layer Protocols. **Chapter 7:** IoT Network Protocols.



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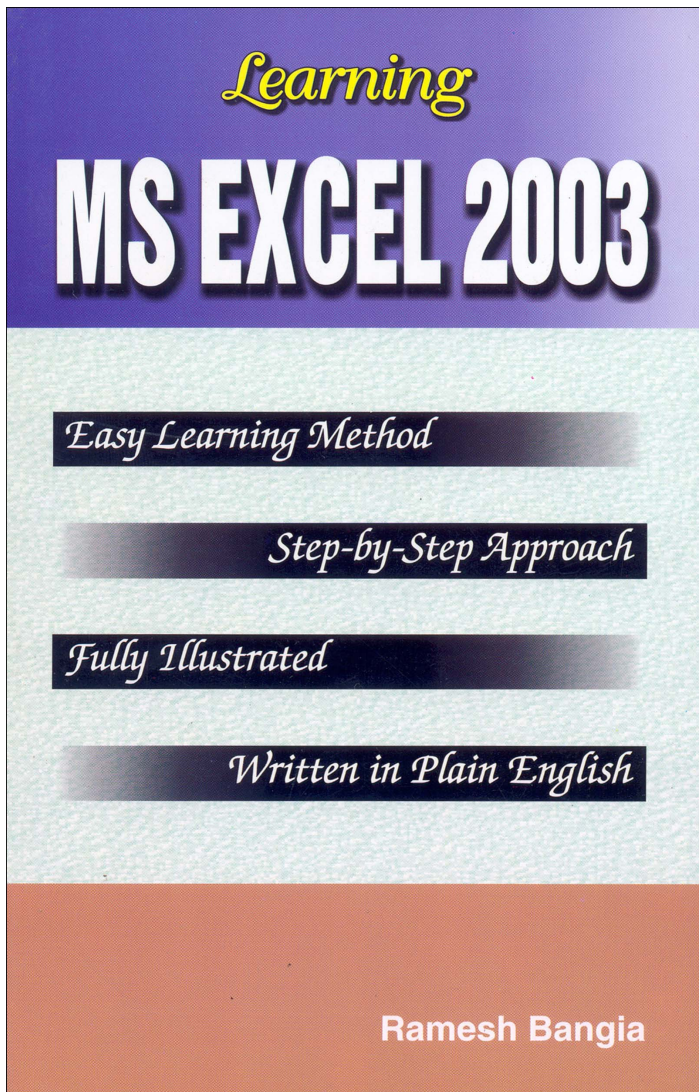
Email: contact@khannabooks.com | Tel: 011-2324 44 47 - 48 | Mobile: + +91-99109 09320

Author

Dr. Jeeva Jose completed Ph. D. in Computer Science from Mahatma Gandhi University, Kerala, India and is a faculty member at BPC College, Kerala. Her passion is teaching and areas of interests include world wide web, Data Mining and Cyber laws. She has been in higher education for the last 15 years and has completed three research projects funded by UGC and KSCSTE. She has published more than twenty research papers in various refereed journals and conference proceedings. She has edited three books and has given many invited talks in various conferences. She is a recipient of ACM-W Scholarship provided by Association for Computing Machinery, New York.

Vijo Mathew is a highly accomplished engineer with three decades of experience in driving innovation and growth in various electrical, electronics, and information technology industries. His track record is complemented by a postgraduate degree in management, equipping him to excel in business management, strategic management, and technology management. His expertise is highly valued in the fields of software, electrical and electronics hardware, and design where he provides strategic guidance and mentorship to organizations seeking to stay ahead of the curve. He has demonstrated a unique ability to bridge the gap between technology and business driving success through his visionary approach and collaborative leadership style. His leadership skills and technical acumen have made him an advisor to some reputed national and international corporations. As an advisor and strategic leader, he is helping organizations achieve their full potential through innovative solutions, effective management, and visionary leadership. He is also author of many books related to technology and management.





Learning MS Excel 2003

Author :	Ramesh Bangia
ISBN 13 :	978-81-87325-44-4
ISBN 10 :	81-87325-44-5
E-ISBN 13 :	978-81-87325-44-4
Edition :	1
Pages :	248
Type of book :	Paperback
Weight (g) :	250.00
Year :	2007
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 225.00
Categories :	BASIC COMPUTER BOOKS, Learning Series
Condition Type :	New
Country Origin :	India

Product Description

Learning of a software is both easy and difficult. It depends up to what level you planning to learn. If you are learning only for the working use, then it is very easy. But, when you try to go deep into it, then you realize how difficult it is to master it. Microsoft Office Excel 2003 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.



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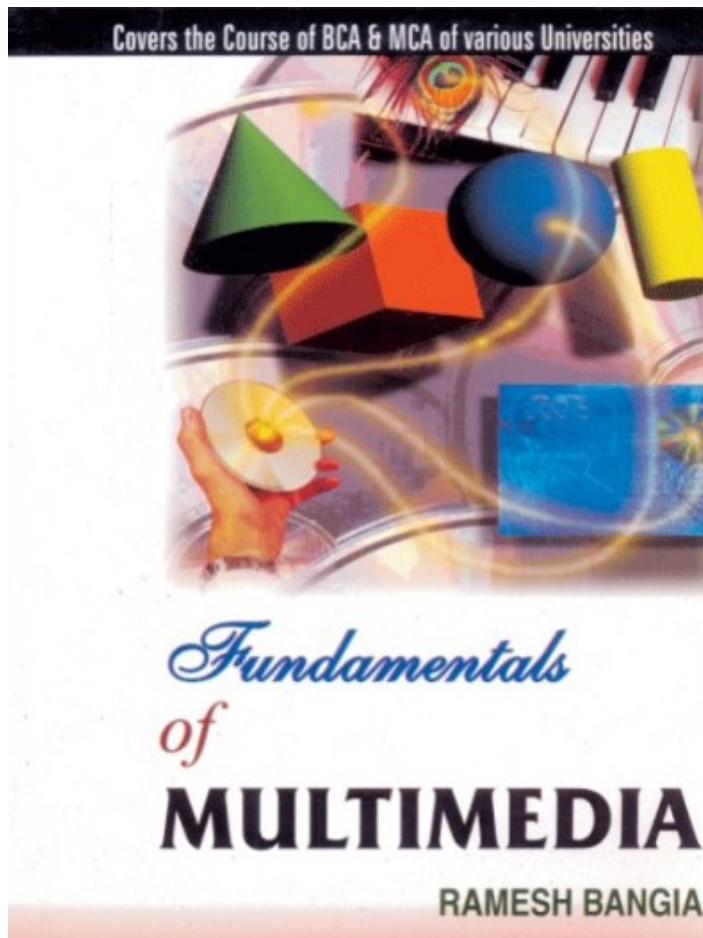
Table of Contents

Chapter 1: Introduction to Microsoft Office 2003. **Chapter 2:** Spreadsheet Basics. **Chapter 3:** Creating a Worksheet in Excel 2003. **Chapter 4:** Advance Techniques of Excel 2003. **Chapter 5:** Working with Charts in Excel 2003. **Chapter 6:** Database Techniques in Microsoft Office Excel 2003. **Chapter 7:** Web and Microsoft Office Excel 2003. **Chapter 8:** Menu Commands of Microsoft Office Excel 2003. **Chapter 9:** Functions in Excel 2003. **Chapter 10:** Keyboard Shortcuts. **Chapter 11:** Questions.

Author

Ramesh Bangia For the last fifteen years, 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.





Fundamentals of Multimedia

Author :	Ramesh Bangia
ISBN 13 :	978-81-87325-19-2
ISBN 10 :	81-87325-19-4
E-ISBN 13 :	978-81-87325-19-2
Edition :	1
Pages :	248
Type of book :	Paperback
Weight (g) :	345.00
Year :	2013
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 245.00
Categories :	Computer Science Engineering
Condition Type :	New
Country Origin :	India

Product Description

The book has been designed to take care of the syllabus of various Universities conducting the courses of BCA and MCA having multimedia as one of the subject. Complete syllabus of Guru Nanak dev University and Rajiv Gandhi Pradyogiki Vishya Vidyalya of M.P. has been wonder this subject is taught in all the technical institutes of India. each chapter is laced with screen shots and equations where ever needed. A revision of the chapter appears at the end followed by different type of questions which the students of the subject would find quite useful.

Table of Contents

Chapter 1: Introduction of Multimedia. **Chapter 2:** Project Stages of Multimedia. **Chapter 3:** Working with Text. **Chapter 4:** Making Sound. **Chapter 5:** Understanding Videos. **Chapter 6:** Data Compression. **Chapter 7:** Image and Audio Compression. **Chapter 8:** Images and Animations. **Chapter 9:** Working with Animation. **Chapter 10:**



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Author

Ramesh Bangia For the last fifteen years, 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.



COURSE ON COMPUTER CONCEPTS (CCC)

(According to DOEACC Syllabus)

- ◆ Introduction to Computers
- ◆ Introduction to Windows
- ◆ DOS Commands
- ◆ Word Processing (MS-Word)
- ◆ Spreadsheets (MS-Excel)
- ◆ Computer Communication & Internet
- ◆ WWW & Web browsers
- ◆ E-mail
- ◆ Presentation making (MS-PowerPoint)

Dr. R.K. Jain

Course on Computer Concepts (CCC)

Author :	R.K. Jain
ISBN 13 :	978-93-80016-84-9
ISBN 10 :	93-80016-84-0
E-ISBN 13 :	978-93-80016-84-9
Edition :	1
Pages :	248
Type of book :	Paperback
Weight (g) :	350.00
Year :	2015
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 250.00
Categories :	Computer Science Engineering, NIELIT / DOEACC Books
Condition Type :	New
Country Origin :	India

Product Description

This book is prepared on the syllabus issued by the department of electronics (DOE) and under the scheme of all India council for technical education (AICTE), department of information technology (DIT), and ministry of communication and information technology (MICT), Government of India. The book is divided into the nine chapters and each chapter strictly covers the topics as per the syllabus defined by DOEACC society. Each topic in the chapter is properly explained with the help of computer snapshots, wherever necessary. At the end of each chapter, summary of the chapter is provided for quick review of it. All the chapters are covered with large no. of questions as per the guidelines of DOE. Large no. of objective type questions are also provided with the answers to them. Not limited to this, proper care has been taken to write the chapters in simple English and step-by-step approach is used for the easy and fast understanding purpose.



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Table of Contents

Chapter 1: Introduction to Computers. **Chapter 2:** Introduction to GUI based Operating Systems. **Chapter 3:** Introduction to Windows 7. **Chapter 4:** Elements of Word Processing. **Chapter 5:** Spreadsheet. **Chapter 6:** Computer Communication and Internet. **Chapter 7:** WWW and Web Browsers. **Chapter 8:** Combination and Collaboration. **Chapter 9:** Making Small Presentations. **Chapter 10:** Index.

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.



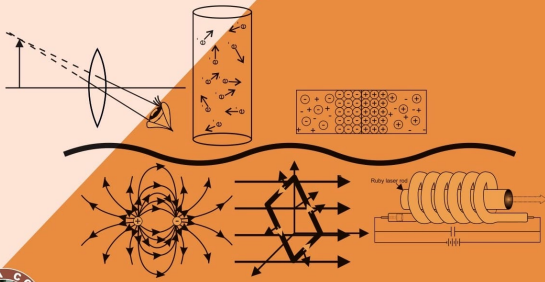
AICTE अनुशंसित पाठ्यपुस्तक - मॉडल पाठ्यक्रम के अनुसार

परिणाम आधारित शिक्षा के साथ संरेखित

राष्ट्रीय शिक्षा नीति 2020

अनुप्रयुक्त भौतिक शास्त्र-II

(लैब मैनुअल सहित)



हुसैन जीवाखान

Applied Physics-II (with Lab Manual)

Author :	Hussain Jeevakhan
ISBN 13 :	978-93-55381-92-7
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E-ISBN 13 :	978-93-55381-92-7
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Year :	2023
Language :	Hindi
Publisher :	Khanna Publishing House
Categories :	AICTE Prescribed Textbooks , Ebooks , Hindi Books
Condition Type :	New
Country Origin :	India

Product Description

“Applied Physics-II” is a basic science course in the first year of the Diploma program in Engineering & Technology. Contents of this book are stringently aligned as per model curriculum of AICTE and incorporated with the concepts of outcomes-based education(OBE). Book covers seven topics- Wave motion, Optics, Electrostatics, Current electricity, Electromagnetism, semiconductor physics and Modern physics. Each topic and its subtopics are written from the perspective of a student’s learning and in accord with the NEP 2020 guidelines. Every unit comprises a set of activities and exercise at the end to assist the student’s learning. Some salient features of the book: 1. Unit Outcomes of each unit are mapped with Course Outcomes and Programs Outcomes. 2. Book Provides relevant interesting facts, QR Code for E-resources and use of ICT and suggested micro projects activities in each unit. 3. Content presented in book in chronological way. 4. Figures, tables and equations are given to improve clarity of the topics. 5. Solved examples are given with systematic steps. 6. MCQ’s, short and long answer questions and unsolved problems of understanding and above levels (Bloom’s Taxonomy) are given for learning reinforcement of students and as per OBE.

Table of Contents

Foreword, Acknowledgement, Preface, Outcome Based Educations, Course Outcomes, Abbreviations and Symbols, List of Figures, Guidelines for Teachers, Guidelines for Students Chapter 1: Wave Motion and its applications. **Chapter 2:** Optics. **Chapter 3:** Electrostatics. **Chapter 4:** Current Electricity. **Chapter 5:** Electromagnetism. **Chapter 6:** Semiconductor physics. **Chapter 7:** Modern physics. **Index**

Author

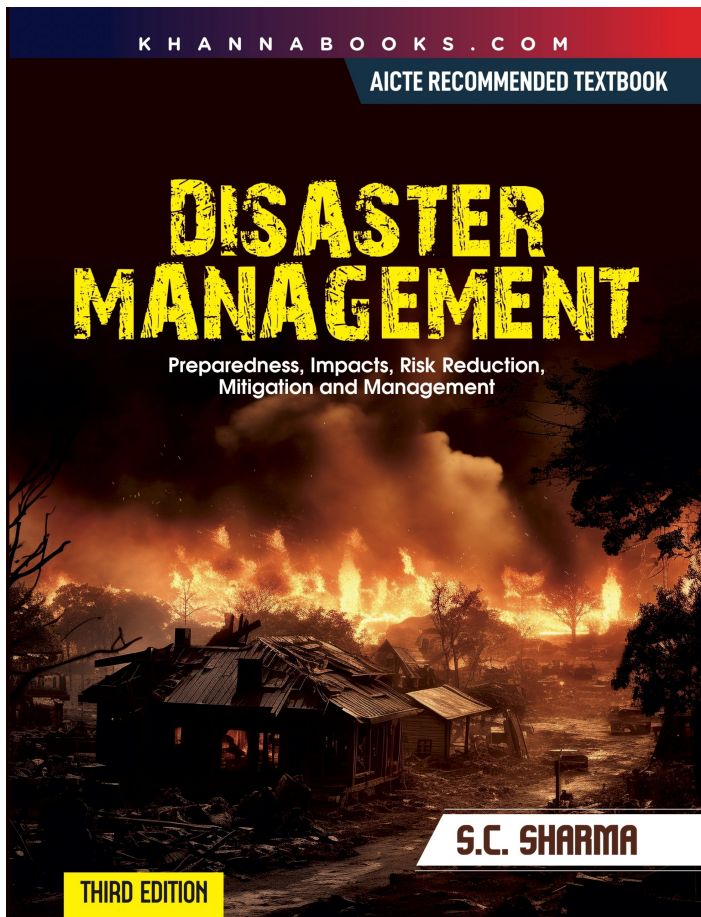
Hussain Jeevakhan



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Disaster Management

Author :	S.C. Sharma
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Edition :	3
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Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 325.00
Categories :	Civil Engineering , Civil Engineering
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 book deals with natural disasters like earthquakes, floods, cyclones, avalanches, droughts, forest fires, volcanic eruptions, landslides, extreme temperature etc. and also man-made disasters like industrial accidents, fires, refugee situations, chemical and industrial hazards, nuclear radiation, major power breakdown, desertification etc. The book covers the syllabi of different universities and model syllabus of AICTE.



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Table of Contents

Chapter 1: Introduction to disaster Management (Concepts and Definitions). **Chapter 2:** Disaster Classification. **Chapter 3:** Natural Disasters. **Chapter 4:** Man-Made Disasters. **Chapter 5:** Disaster Preparedness and Management. **Chapter 6:** Disaster Mitigation. **Chapter 7:** Disaster Prone (Hazard Vulnerable) Areas In India. **Chapter 8:** Risk Assessment and its Management. **Chapter 9:** Disaster Impacts. **Chapter 10:** Environmental Challenges. **Chapter 11:** Disaster, Environment and Development. **Chapter 12:** Legislation and Government Role on Disaster Risk Reduction.

Author

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.

