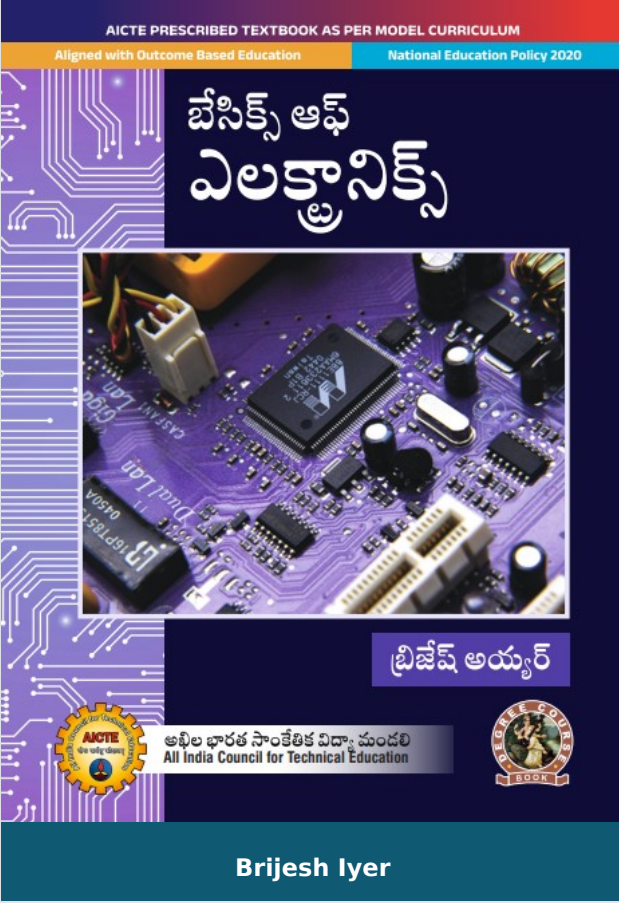




Basic of Electronics

Author :	Brijesh Iyer
ISBN 13 :	978-93-55389-41-1
ISBN 10 :	9355389418
E-ISBN 13 :	978-93-55389-41-1
Edition :	First
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Khanna Publishing House

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

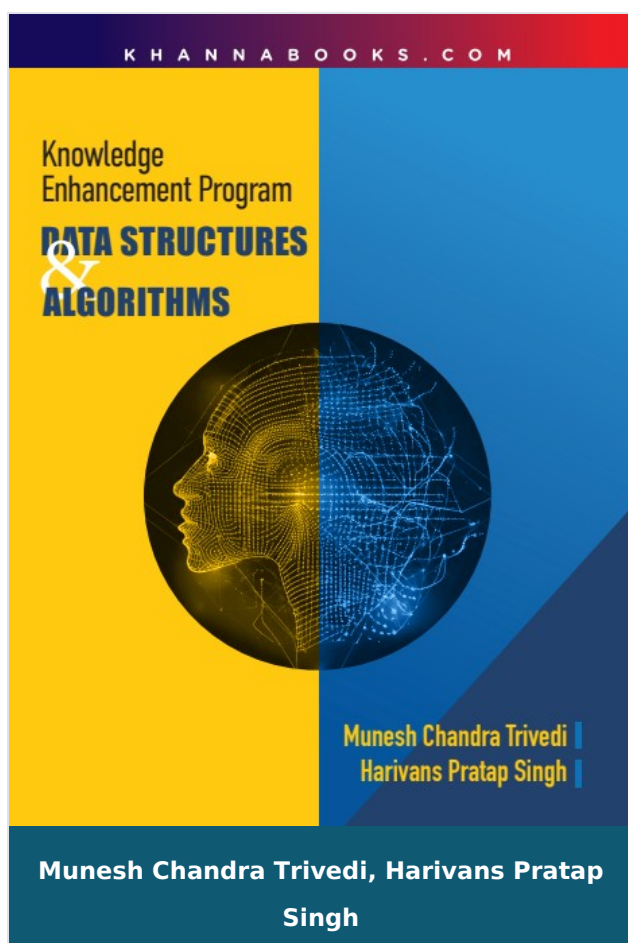
Product Description

Basic of Electronics

Author

Brijesh Iyer

Dr. Brijesh Iyer Professor, Assistant Professor (Sel. Gr.) Department of E & TC Engineering
Dr. Babasaheb Ambedkar Technological University, Lonere Maharashtra



Data Structures & Algorithms (Knowledge Enhancement Program)

Author : Munesh Chandra Trivedi, Harivans Pratap Singh

ISBN 13 : 978-93-55385-18-5

ISBN 10 : 9355385188

E-ISBN 13 : 978-93-55385-18-5

Edition : 1

Pages : 660

Type of book : Physical

Year : 2026

Language : English

Publisher : Khanna Publishing House

M.R.P : Rs 725.00

Categories : [Computer Science Engineering,](#)
[New Arrivals, Book Store](#)

Condition Type : New

Country Origin : India

Product Description

My Book of Data Structures and Algorithms in a comprehensive and learner-friendly guide crafted for students, professionals, and aspirants preparing for GATE, competitive coding, and IT interviews. It serves as both an academic companion and a practical reference manual for mastering the foundational and advanced concepts of data structures and algorithm design. Rooted in real-world problem-solving, the book seamlessly blends theoretical clarity with hands-on implementation across languages like C, C++, Java and Python. Designed in alignment with university syllabi and modern industry requirements, this book is ideal for readers at all levels- from engineering undergraduates to working professionals aiming to sharpen their algorithmic thinking.

KEY FEATURES OF THE BOOK

- Complete and Structured Coverage
- Concept-Building through Intuition and Examples
- Programming Language Support
- GATE, Coding Interviews & Competitive Programming Ready
- Problem-Solving and Hands-On Practice
- Core Topics Covered in Detail
- Time and Space Complexity Focused
- Visual Learning Aids
- Latest and Trending Concepts
- Academic and Industry Alignment
- Chapter – End Revision Boosters

Table Of Contents

- SORTING
- SEREACHING & HASHING
- LINKED LIST
- STACK
- QUEUE
- GRAPH
- TREE AND TRIES

Author

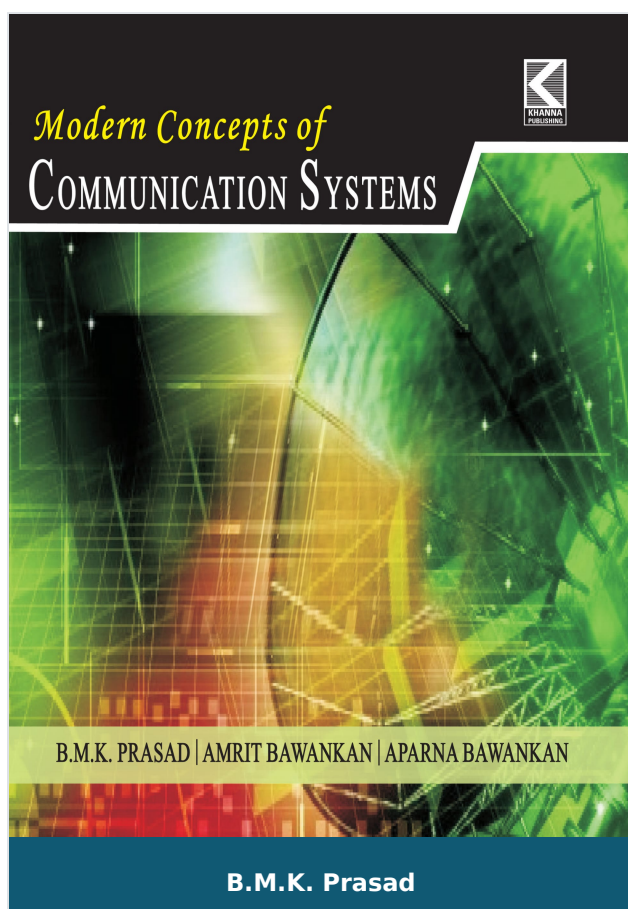
Munesh Chandra Trivedi

Dr. Munesh Chandra Trivedi has more than 20 years of experience in the field of computer science & Engineering and has worked in Prestigious Institutions. He has more than 10 years' experience in various administrative responsibilities e.g., Dean (academics), Head of Department, TEQIP-111 Coordinator, PG coordinator, EDC cell Coordinator. Currently working Tripura, India, and Associate Professor and HoD (IT), Rajkiya Engineering College, Azamgarh, up (state Govt Institution of UP) with the additional responsibility of Dean Academics of the institute & Associate Dean UG Programs, Dr. APJ Abdul Kalam Technical University, Lucknow (State Technical University). He was also the Director (In-charge) at Rajkiya Engineering College, Azamgarh. He had successfully filed 81 patents (65 National and 16 International Patents (Germany, South Africa, and Australia)), out of which 40 patents were granted. He has published 12 textbooks and 168 research papers in different International Journals and proceedings of repute. He has also edited 38 books for springer Nature. He successfully supervised 14 PhD students and received numerous awards, including the Young scientist

Visiting Fellowship, Albert Einstein Research scientist Award, Best senior Faculty Award, Outstanding Scientist, Dronacharya Award, Author of the Year, and vigyan Ratan award from different national, as well as international forums. He has organized more than 32 international conferences technically sponsored by IEEE, ACM, AND Springer. Dr.

Harivans Pratap Singh

Dr. Harivans Pratap Singh continues to make significant contributions to research, innovation, and enterprise solutions on a global scale.



Modern Concepts of Communication Systems

Author :	B.M.K. Prasad
ISBN 13 :	978-93-82609-50-6
ISBN 10 :	9382609504
E-ISBN 13 :	978-93-82609-50-6
Edition :	1
Pages :	420
Type of book :	Physical
Year :	2014
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 325.00
Categories :	Electrical, Electronics & Communication Engineering, Book Store
Condition Type :	New
Country Origin :	India

Product Description

The Proposed book Modern Concepts of Communication Systems is considered as one of most respected and authentic texts in the field of communication systems and engineering. Its profound mathematical treatment, clarity of concepts rich set of assignment problems and of course, novelty in approach defined in many way how analog or digital communication are taught in engineering college. The book is covering almost all the parts of syllabus of M.D. University, Rohtak, Gautam, Buddha University, Lucknow, Mahamaya University, Noida, old UPT University K.U. Kurukshetra etc.

Communication systems are a core subject for undergraduate course in Electronics and Communications, and Computer Engineering. It is also offered as a special subject for undergraduate courses in Electronical and Instrumentation Engineering, and for postgraduate course in Physics, Electronics and Computer Science. This book is primarily intended to serve as a textbook for undergraduate course in Electronics and Communication Engineering.

Table Of Contents

- Communication Systems
- Amplitude Modulation
- Angle Modulation
- Signal Analysis
- Noise
- Pulse Modulation
- Digital Modulation
- Index

Author

B.M.K. Prasad

B.M.K. Prasad is a principal Of Dronacharya College of engineering , Gurgaon



Engineering Workshop Practice

Author : A. K. Sarathe

ISBN 13 : 978-93-55381-85-9

ISBN 10 : 9355381859

E-ISBN 13 : 978-93-55381-85-9

Edition : 1

Pages : 200

Type of book : Physical

Year : 2025

Language : English

Publisher : Khanna Publishing House

M.R.P : Rs 295.00

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

Condition Type : New

Country Origin : India

Product Description

“ Engineering Workshop Practice Manual” is a common 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.

Engineering Workshop Practice manual covers five units- First unit deals with the carpentry, second unit is about fitting , third unit focuses on welding, fourth units discusses about sheet metal working and the fifth unit deals with electrical house wiring . The manual comprises of total seventeen workshop practical from P1 to P17 and the same are arranged in hierarchical manner from simple to complex so that students should not only focus on completing the practical and getting the marks/ grades but will also be motivated to create useful products incorporating their creative and critical thinking as well.

Some salient features of the book:

1. Content of the manual aligned with the mapping of Course Outcomes, Programs Outcomes and practical outcomes.
2. Relevant theory has been included at the beginning of each practical.
3. The manual has been developed to ensure alignment with the Outcome Based Education philosophy and consisting of total seventeen workshop practical.
4. Unit wise practical are arranged in hierarchical manner from simple to complex.
5. Manual provides recent information and QR Code for E-resources etc.
6. Figures, photographs and table are inserted to improve clarity of the content.

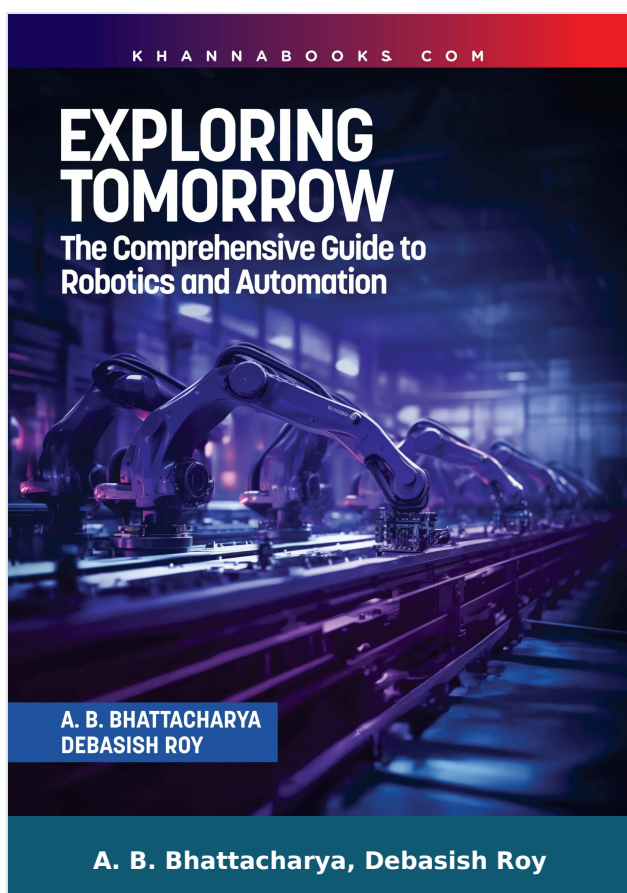
Table Of Contents

- Foreword,
- Acknowledgement,
- Preface,
- Outcome Based Educations,
- Course Outcomes,
- Abbreviations and Symbols,
- List of Figures,
- List of tables Guidelines for Teachers,
- Guidelines for Students
- Carpentry.
- Fitting.
- Welding Tools and Equipment.
- Sheet Metal Working.
- Electrical House wiring.
- Index

Author

A. K. Sarathe

A. K. Sarathe



Exploring Tomorrow (The Comprehensive Guide to Robotics and Automation)

Author : A. B. Bhattacharya, Debasish Roy

ISBN 13 : 978-93-55387-25-7

ISBN 10 : 9355387253

E-ISBN 13 : 978-93-55387-25-7

Edition : 1

Pages : 416

Type of book : Physical

Year : 2025

Language : English

Publisher : Khanna Publishing House

M.R.P : Rs 575.00

Categories : [Emerging Technologies, Book Store](#)

Condition Type : New

Country Origin : India

Product Description

Salient Features of the Book:

1. Covers industrial, service, domestic, healthcare, education, entertainment robots, and autonomous vehicles.
2. Focuses on human-robot collaboration, ethical challenges, privacy, and job displacement issues.
3. Details the technologies behind self-driving cars and autonomous drones. Covering AI, sensor fusion, computer vision, and control systems.
4. Explores surgical robots, rehabilitation robotics, telemedicine, and their contributions to healthcare.
5. Discusses agricultural robots for tasks like planting, weeding, harvesting, and livestock management.
6. Examines educational robots like LEGO Mind storms, Ozobot, and Sphero, and their integration into curricula.
7. Highlights the role of robotics in space missions, including rovers, unmanned spacecraft, and teleportation.
8. Explores robots used in search and rescue, hazard environments, mapping, and medical assistance.
9. Discusses robots inspired by biological systems, focusing on design, locomotion, and sensory systems.
10. Looks at the use of robots in theme parks, robotic performers, customer service, and logistics.

11. Discusses trends in automation, collaborative robotics, and their impact on the workforce.
12. Focuses on automation in manufacturing, robotic arms, robots, and cyber security.
13. Addresses technical challenges, research efforts, and the future of robotics.
14. Envisions future developments like swarm robotics and human- like androids.
15. Numerical problems, short questions, MCQs, project works, and others for all the chapters.

Table Of Contents

- Various Types of Robotics.
- Human-Robot Collaboration: Ethics and Social Implications of Robotics.
- Autonomous Vehicles and Drones: Part of the broader of Robotics and AI.
- Robotics in Healthcare.
- Robotics in Agriculture.
- Robots in Education.
- Robotics in Space Exploration.
- Role of Robotics in Disaster Response.
- Biologically-Inspired Robotics.
- Robotics in Entertainment and Service Industries.
- Autonomation and the Workforce: Emerging Trends.
- Interconnected Domains of Industrial Automation and Robotics.
- Robotics and Automation Technologies used in Modern Warfare.
- Challenges in Robotics and Automation.

Author

A. B. Bhattacharya

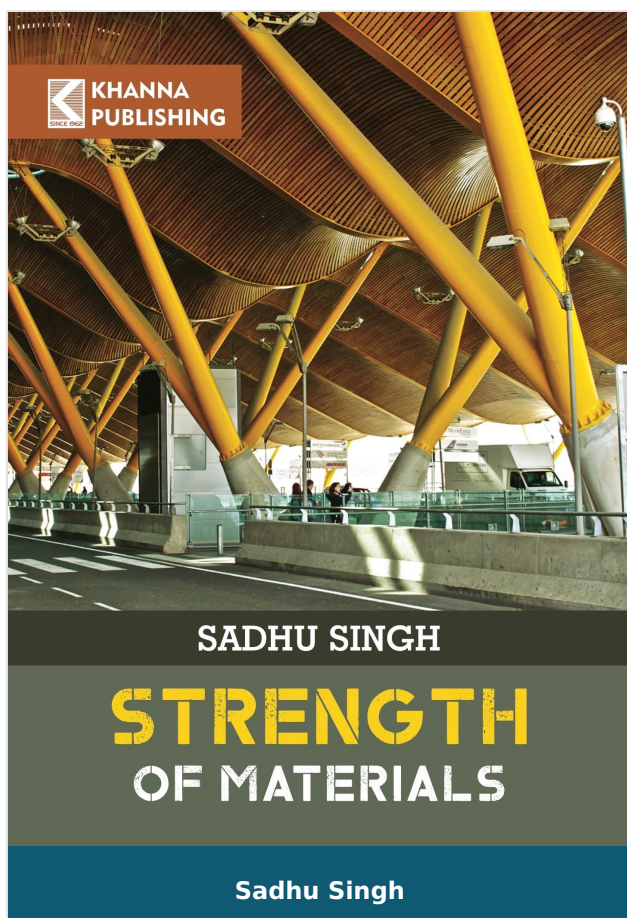
Prof. A. B. Bhattacharya did his MSc and PhD degree from the University of Calcutta in Physics and Post-doc from the Massachusetts Institute of Technology (MIT), Cambridge, USA. He worked in close collaboration with the leading laboratories like Lincoln Laboratory; Milestone Hill Observatory; Earth, Atmospheric and Planetary Sciences division of MIT and many other well recognized laboratories in India and abroad. He served as Professor & Head of the Department of Physics, University of Kalyani; Dean of Research and Head of the ECE Department, Techno India University; Pro Vice Chancellor

of JIS University and Director of Brainware University. He has published 32 text books for Science and Engineering students, two popular books for general readers and over 400 research articles in reputed International Journals. Under his supervision 24 scholars received their doctoral degree. He is a fellow of the Institute of Electronics and Telecommunication Engineers and member of many scientific organizations. India International Friendship Society awarded him the prestigious "Shiksha Ratna Award" and Certificate of Excellence for meritorious services, outstanding performance and significant contribution to education. The International Institute of Success Awareness honored him with their globally recognized "Glory of India Gold Medal" for his outstanding contribution to the national stature of India. A few words from the certificate issued by Prof. Williams of MIT may be quoted "Our collaborative effort was directed at the wavelength dependence of radar echoes observations with the Millstone Hill UHF radar in Westford. He made use of the Charles River Data System computer in the Weather Radar Laboratory for these calculations. His results help to make a convincing case that the volume reflectivity associated with lighting is a diminishing function of radar wavelength, contrary to contemporary thinking". Dr.

Debasish Roy

Dr. Debasish Roy is a highly accomplished and motivated professional with a robust academic background in Information Technology, including an MCA, MBA M. Tech, and PhD. He was currently the Director General(Railways) at a top-level position in the Indian Police Service (IPS). He received the Indian Police Medal and President's Police Medal in 2000 and 2010. He is well known for pioneering contributions in land mobile radio systems. He is highly recognized for spearheading strategic planning and execution of security measures for the railways network, implementing innovative technologies to enhance railway security and counteract emerging day-to-day operations efficiently. He has provided expert guidance on implementing land mobile radio system for public safety agencies and conducted groundbreaking research in cryptanalysis, leading to

development of advanced techniques for enhancing cyber security. He successfully led a team in designing and implementing secure communication protocols for land mobile radio systems, ensuring robust and encrypted communication. He has published numerous research papers in reputed conferences. He mentored and guided students at the postgraduate and doctoral levels. He has a proven track record of effective leadership and team management, besides all his strategies planning and execution in high-stakes environments. He received many honors and awards for his outstanding contributions to the field and was recognized for exceptional leadership and innovation in technology-driven security initiatives. He completed an Executive Program in Quantum Computing and Machine Learning from IIT Delhi in 2023. He participated in the Workshop on Machine Learning for Cryptology (ML4Crypto 2023) at ISI, Kolkata from November 8-10, 2023, organized by SAG, DRDO. His recent paper on " Iterative Quantum Algorithm for Linear System Solving" has been accepted at the International Conference SAI, Computing, 2024 London, organized by Microsoft Corporation.



Strength of Materials

Author :	Sadhu Singh
ISBN 13 :	978-93-81068-80-9
ISBN 10 :	9381068801
E-ISBN 13 :	978-93-81068-80-9
Edition :	First
Pages :	600
Type of book :	Physical
Year :	2021
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 425.00
Categories :	Civil Engineering, Civil Engineering, Book Store
Condition Type :	New
Country Origin :	India

Product Description

This book is a textbook for the B.E./B. Tech. students of UP technical University, Lucknow and Uttarakhand Technical University, Dehradun. The book has been written as per the new syllabus of these Universities. 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.

Table Of Contents

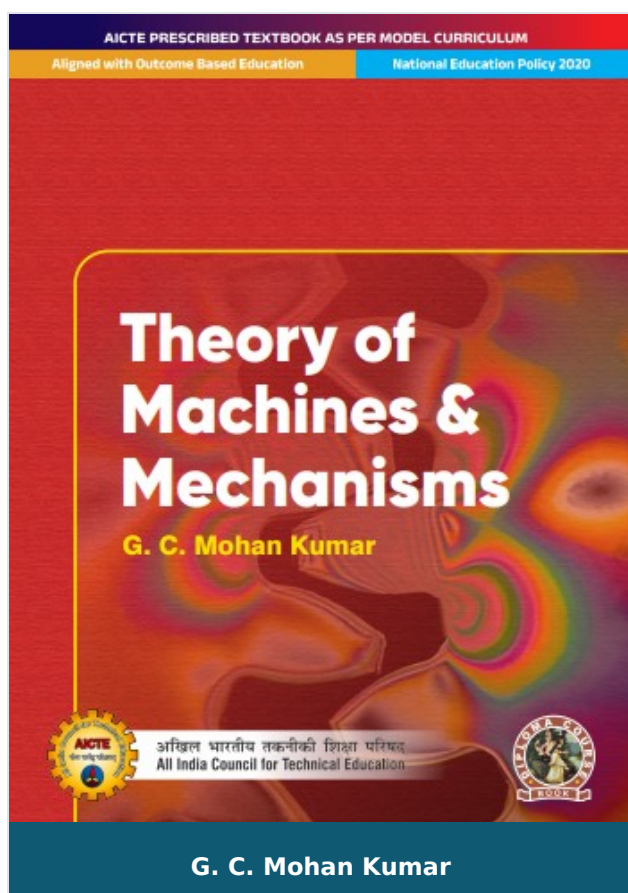
- Compound Stresses and Strains
- Theories of Failure
- Three Dimensional Stresses and Strains
- Stresses in Beams
- Deflection of Beams
- Fixed and Continuous Beams
- Torsion of Shafts
- Columns and Struts
- Helical and Leaf Springs
- Thin Cylinders and Spheres
- Thick Cylinders and Spheres
- Rotating Discs and Cylinders
- Curved Beams
- Unsymmetrical Bending
- Appendix -I
- Appendix-II

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.



Theory of Machines & Mechanisms

Author : G. C. Mohan Kumar

ISBN 13 : 978-93-55389-74-9

ISBN 10 : 9355389744

E-ISBN 13 : 978-93-55389-74-9

Edition : First

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Year : 2026

Language : English

Publisher : Khanna Publishing House

M.R.P : Rs 392.00

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

Condition Type : New

Country Origin : India

Product Description

Theory of Machines & Mechanisms

The course Theory of Machines & Mechanisms provides a basic knowledge of the principle of working of mechanical elements and explores through examples and solved problems. The course is presented in five units. Unit 1 deals with the Cams and followers; Unit 2 power Transmission elements like belts, gears, and chains; Unit 3 covers flywheels and governors; Unit 4 Brakes and dynamometers; and Unit 5 deals with balancing of revolving masses and vibrations. All unit in the book gives the objectives of the study and expectations from the students in exercising OBE. The working principle of each mechanical element, derivation, and numerical problem made the reader understand the course effectively.

Salient Features:

- The content of the book is aligned with the mapping of course outcomes, programs, outcomes and unit outcomes.
- Both the student and teacher-centric subject materials are included in the book in a balanced and chronological manner.
- All figures, tables, and others are inserted to improve the clarity of the topic.
- Discussion on each unit helps the overall view of the chapter and helps in answering short questions and objective questions.
- The book provides a lot of information and QR codes for E-resources/
- Descriptions with solved numerical problems are the basics for the course design of machine Elements and, therefore, presented in a systemic way.

Table Of Contents

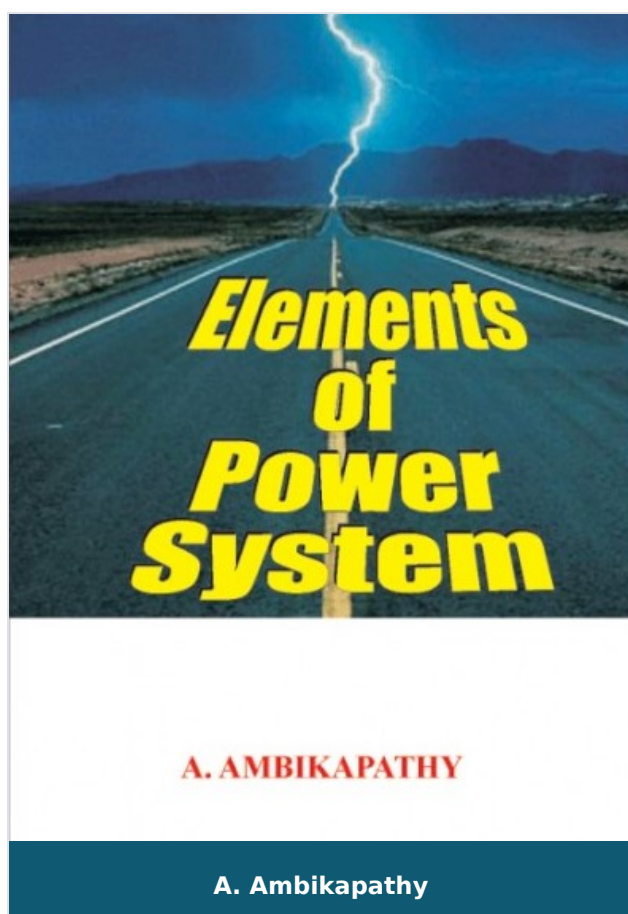
- Acknowledgement
- Preface
- Outcome Based Education
- Course Outcomes
- Guidelines for Teachers
- Guidelines for Students
- Abbreviations and Symbols
- List of Figures
- List of Tables
- CAMS AND FOLLOWERS
- POWER TRANSMISSION
- FLYWHEEL AND GOVERNORS
- BRAKES, DYNAMOMETERS, CLUTCHES & BEARINGS
- BALANCING & VIBRATIONS
- Unit Summary
- Multiple Choice Questions
- Answers to Multiple Choice Questions
- Exercises
- Experiment
- Know More
- Bibliography
- References For Further Learning
- CO And PO Attainment Table

- Index

Author

G. C. Mohan Kumar

Prof. G. C. Mohan Kumar Professor (HAG), Dept. of Mechanical Engineering National Institute of Technology Karnataka, Surathkal



Elements of Power System

Author :	A. Ambikapathy
ISBN 13 :	978-93-80016-93-1
ISBN 10 :	938001693X
E-ISBN 13 :	978-93-80016-93-1
Edition :	1
Pages :	260
Type of book :	Physical
Year :	2010
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 295.00
Categories :	Electrical, Electronics & Communication Engineering, Book Store
Condition Type :	New
Country Origin :	India

Product Description

The textbook on "Elements of Power System" tell about the basic concepts of power system in a detailed manner. This book contains the brief explanation string and their efficiency and sag calculations. All the concepts are explained in a easy way so that students can understand them well. The clear information's are given about the construction of cables and insulators in detail with neat diagram.

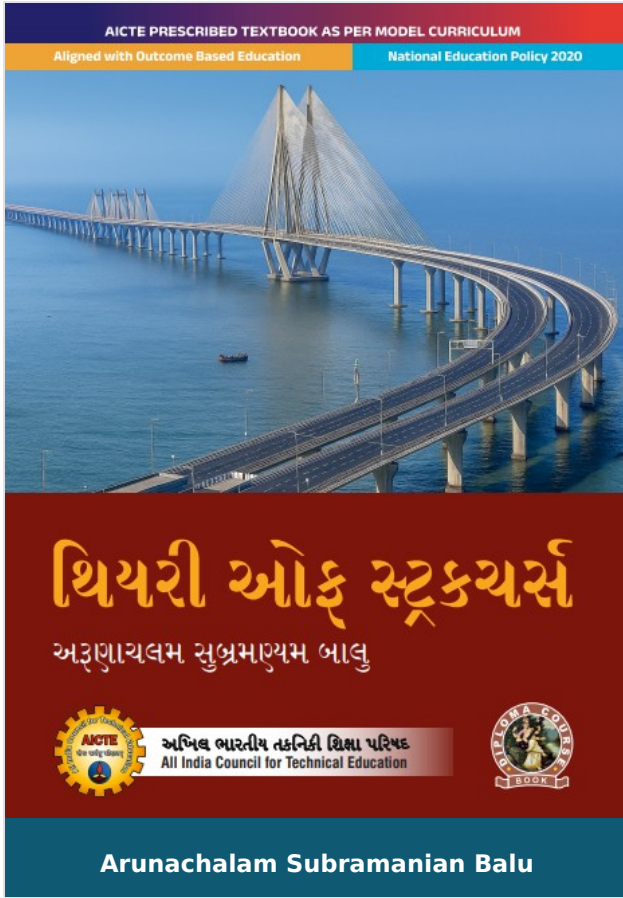
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- Power System Components
- Overhead Transmission Lines
- Corona Interference
- Mechanical Design of Transmission Line
- Neutral Grounding
- Question and Answers
- Review Questions

Author

A. Ambikapathy

A. Ambikapathy currently working as an assistant professor in " Galgotia Colege of Engineering and Technology " holds M. Tech degree. She has presented five papers in national level conferences. She worked under three different universities and having ten years of teaching experience.



Theory of Structures

Author :	Arunachalam Subramanian Balu
ISBN 13 :	978-93-55386-48-9
ISBN 10 :	9355386486
E-ISBN 13 :	978-93-55386-48-9
Edition :	First
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Type of book :	Physical
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Publisher :	Khanna Publishing House
M.R.P :	Rs 498.00
Categories :	AICTE Prescribed Textbooks, Gujarati Books, Book Store
Condition Type :	New
Country Origin :	India

Product Description

Theory of Structures

Theory of structures is a basic core course developed for understanding the behaviour of structures. The presentation of physical principles founded in the field of mechanics can be used for understanding the behaviour of structures, which is the prerequisite for designing any structures. This book aims to help students in developing ability to analyze structures in a simple and logical manner. The contents are divided into five units as required for the students of diploma in civil engineering. The main contents of this book are aligned with the model curriculum of AICTE followed by the concept of Outcome based Education as 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.

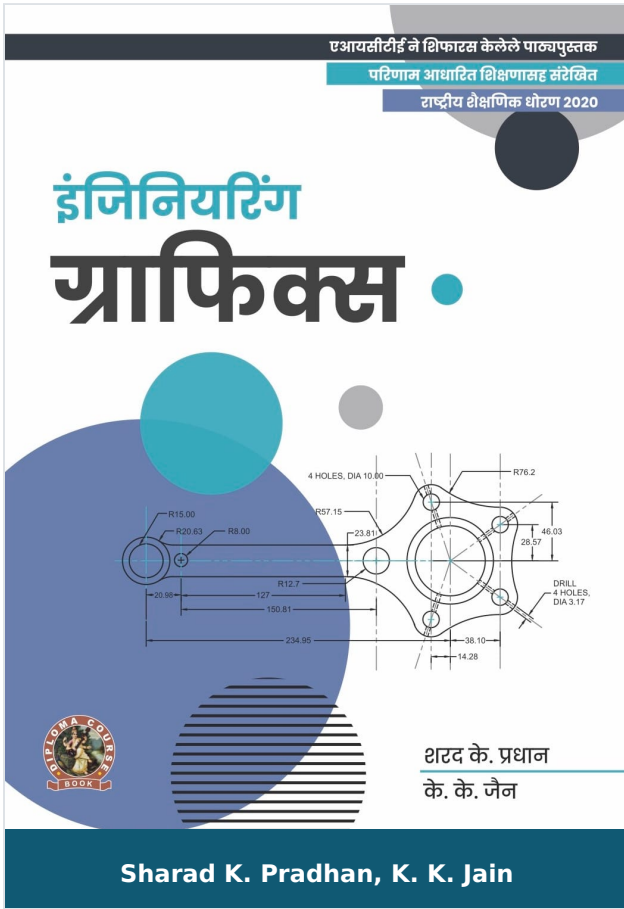
Table Of Contents

- Foreword
- Acknowledgement
- Preface
- Outcome Based Education
- Course Outcomes
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- Guidelines for Students
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- List of Figures
- List of Tables
- Direct and Bending Stresses
- Slope and Deflection
- Fixed and Continuous Beams
- Moment Distribution Method
- Simple Trusses
- Appendices
- References for Further Learning
- CO and PO Attainment Table
- Index

Author

Arunachalam Subramanian Balu

Dr. Arunachalam Subramanian Balu Associate Professor, Department of Civil Engineering,
National Institute of Technology, Karnataka, Surathkal, Mangalore, Karnataka



Engineering Graphics

Author :	Sharad K. Pradhan, K. K. Jain
ISBN 13 :	978-93-55380-04-3
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E-ISBN 13 :	978-93-55380-04-3
Edition :	First
Pages :	284
Type of book :	Physical
Year :	2022
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 395.00
Categories :	AICTE Prescribed Textbooks, Marathi Books, Book Store, Ebooks, APPLIED SCIENCES & HUMANITIES
Condition Type :	New
Country Origin :	India

Product Description

“ 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 step.

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.

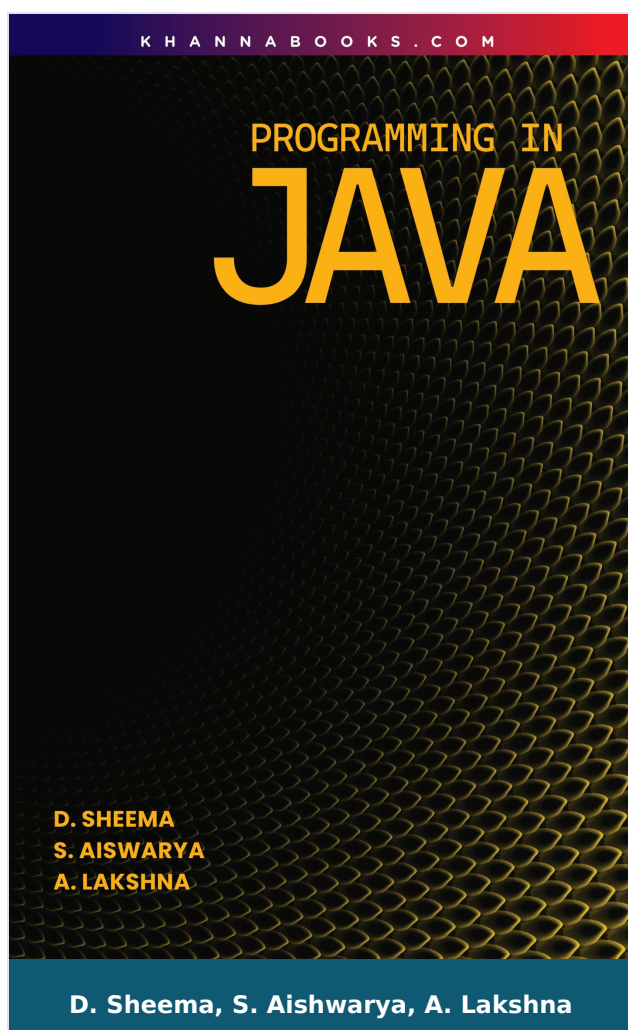
Author

Sharad K. Pradhan

Sharad K. Pradhan

K. K. Jain

K. K. Jain



Programming in Java

Author :	D. Sheema, S. Aishwarya, A. Lakshna
ISBN 13 :	978-93-55389-12-1
ISBN 10 :	9355389124
E-ISBN 13 :	978-93-55389-12-1
Edition :	First
Pages :	148
Type of book :	Physical
Year :	2026
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 298.00
Categories :	Computer Science Engineering, New Arrivals, Book Store, Sathyabama Series
Condition Type :	New
Country Origin :	India

Product Description

This book is your complete resource for learning Programming in Java. Designed for both students and aspiring developers, it offers a robust and comprehensive path to mastering the Java language. You will start by building a strong foundation in Java basics, including the concepts of the Java Virtual Machine (JVM) and bytecode that enable its famous platform independence. The book then systematically covers the core principles of Object-Oriented Programming (OOP), such as inheritance, polymorphism, and encapsulation. By progressing to advanced topics like exception handling, I/O programming, Collections, and database connectivity (JDBC), you will gain the skills necessary to develop secure, high-performance applications.

Salient Features:

- **Foundation to Advanced:** Provides a clear, step-by-step learning curve, covering all topics from Java basics, data types, and tokens to enterprise technologies like JDBC, Servlets, and JSP.
- **Write Once, Run Anywhere:** Detailed explanation of the Java Virtual Machine (JVM) and Bytecode, highlighting the language's key feature of platform independence (WORA).
- **Object-Oriented Mastery:** In-depth coverage of OOP concepts including Classes, Objects, Inheritance, Method Overloading, and Method Overriding, with clear code examples.
- **Focus on Robustness and Security:** Emphasis on Java's built-in features for early error checking, runtime safety, and security mechanisms to protect applications.
- **Practical Learning:** Includes real-world examples and step-by-step instructions for setting up the Java Development Kit (JDK) and compiling and running your first programs.
- **Key Programming Constructs:** Thorough discussions on essential structures like Java Tokens, Access Modifiers, Operators, Control Flow Statements, and Exception Handling for writing efficient code.

Table Of Contents

- Java Basics
- Object Oriented Programming
- Packages, Interfaces and Threads
- File Streams and Collections Framework
- GUI Programming, Database Connectivity, Server-Side Programming

Author

D. Sheema

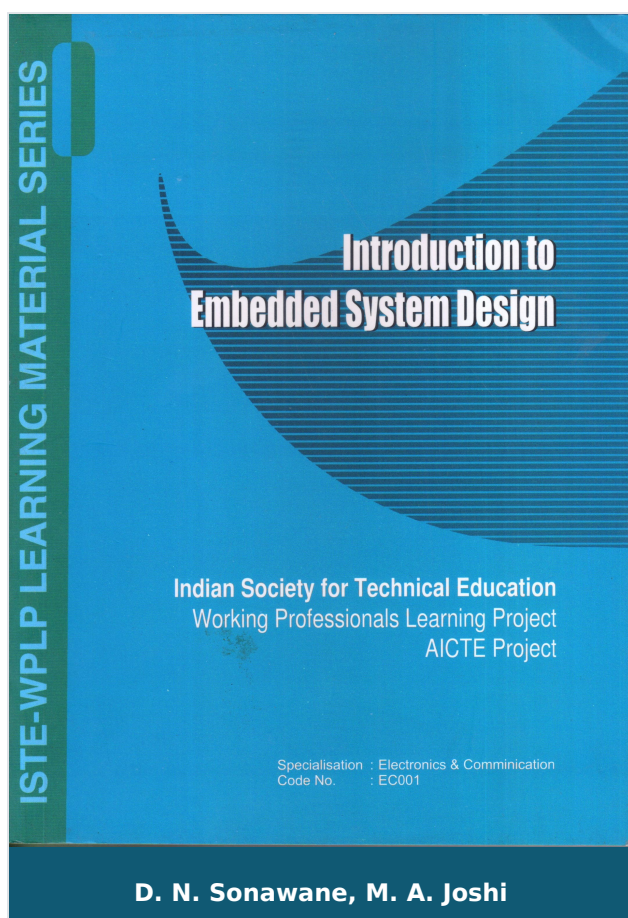
Sheema D. Aiswarya S. A. Lakshna

S. Aishwarya

Sheema D. Aiswarya S. A. Lakshna

A. Lakshna

A. Lakshna



Introduction to Embedded System Design

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Product Description

This course material is a result of the dedication and encouragement of many individuals. Our sincere and heartfelt appreciation goes to all of them.

We are deeply indebted to Dr. B. S. Sonde, Ex.Vice Chancellor Goa University, who initially motivated and guided us for this work.

We also take this opportunity to thank our colleagues and students for their helpful suggestions during the course of this project.

The Teaching materials covers 14 chapters, 11 for Embedded systems part and 3 for Digital Signal Processing. Every slide gives points for teaching the contents accompanied by foot notes.

Embedded systems is a state of art subject having a number of Industrial applications. Starting from the basics of microcontrollers to real time operation and interfaces are the important topics covered. Digital signal processing is a subject, which deals with processing of signals. DSP processors can perform special signal processing functions in a fast and efficient manner.

It is essential to study the architecture of these processors and some basics of Signal processing.

We are sure that this material will definitely be useful as a teaching material for the teachers and new engineers in this field.

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