

# Fundamentals Of Electrical Engineering

## Rizzoni 9th Edition

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*Make Every Minute Count* - Marion E. Haynes  
2000

Time can't be saved up but it can be managed. Each of us manages time differently to suit our own personality and lifestyle, but the basic processes are described here, so we can choose which to apply to our circumstances: delegating prioritising tasks planning ahead dealing swiftly with interruptions and time-wasters making technology do the work using travelling time The updated edition of this practical book contains checklists, time-analysis forms and charts that can be adapted to suit individual needs. Above all, it will help you to allocate your time more efficiently, so that you can get more done in less time. For managers at all levels, *Make Every Minute Count* will prove an invaluable guide.

**Cooklin's Garment Technology for Fashion Designers** - Gerry Cooklin 2012-04-23

Build the knowledge and understanding of garment technology essential to any designer In today's competitive fashion industry, it is essential that designers have a working understanding of garment technology. This 2nd edition has been comprehensively updated, with in-depth information on stitches, guides and attachments and sewing techniques, all of which are fully illustrated. There are enhanced chapters on machine and equipment technology explaining the uses, features and limitations of garment manufacturing equipment, enabling designers to create products that can be manufactured efficiently and with a high degree of quality. Approached from the fashion

designer's mindset, this book features illustrations to help users build their knowledge and understanding Blends theoretical and practical material Updated with the latest and most modern advances in clothing technology Illustrated throughout to help shape the reader's knowledge and understanding of garment technology

Environmental Biotechnology - Marian Petre  
2013-02-07

Taking into consideration the outstanding importance of studying and applying the biological means to remove or mitigate the harmful effects of global pollution on the natural environment, as direct consequences of quantitative expansion and qualitative diversification of persistent and hazardous contaminants, the present book provides useful information regarding New Approaches and Prospective Applications in Environmental Biotechnology. This volume contains twelve chapters divided in the following three parts: biotechnology for conversion of organic wastes, biodegradation of hazardous contaminants and, finally, biotechnological procedures for environmental protection. Each chapter provides detailed information regarding scientific experiments that were carried out in different parts of the world to test different procedures and methods designed to remove or mitigate the impact of hazardous pollutants on environment. The book is addressed to researchers and students with specialties in biotechnology, bioengineering, ecotoxicology, environmental

engineering and all those readers who are interested to improve their knowledge in order to keep the Earth healthy.

**Automation, Production Systems, and Computer-integrated Manufacturing** - Mikell P. Groover 2008

This exploration of the technical and engineering aspects of automated production systems provides a comprehensive and balanced coverage of the subject. It covers cutting-edge technologies of production automation and material handling, and how these technologies are used to construct modern manufacturing systems.

**Beginning Programming with C For Dummies** - Dan Gookin 2013-10-10

Learn the basics of programming with C with this fun and friendly guide! C offers a reliable, strong foundation for programming and serves as a stepping stone upon which to expand your knowledge and learn additional programming languages. Written by veteran For Dummies author Dan Gookin, this straightforward-but-fun beginner's guide covers the fundamentals of using C and gradually walks you through more advanced topics including pointers, linked lists, file I/O, and debugging. With a special focus on the subject of an Integrated Development Environment, it gives you a solid understanding of computer programming in general as you learn to program with C. Encourages you to gradually increase your knowledge and understanding of C, with each chapter building off the previous one Provides you with a solid foundation of understanding the C language so you can take on larger programming projects, learn new popular programming languages, and tackle new topics with confidence Includes more than 100 sample programs with code that are adaptable to your own projects Beginning Programming with C For Dummies assumes no previous programming language experience and helps you become competent and comfortable with the fundamentals of C in no time.

**Applied Circuit Analysis** - Matthew N. O. Sadiku 2012-02

This title is intended to present circuit analysis to engineering technology students in a manner that is clearer, more interesting and easier to understand than other texts. The book may also be used for a one-semester course by a proper

selection of chapters and sections by the instructor.

Pediatric Nephrology - Ellis D. Avner 2009-08-20

Here is an extensive update of Pediatric Nephrology, which has become the standard reference text in the field. It is global in perspective and reflects the international group of editors, who are well-recognized experts in pediatric nephrology. Within this text, the development of kidney structure and function is followed by detailed and comprehensive chapters on all childhood kidney diseases.

**Vehicle Propulsion Systems** - Lino Guzzella 2007-09-21

The authors of this text have written a comprehensive introduction to the modeling and optimization problems encountered when designing new propulsion systems for passenger cars. It is intended for persons interested in the analysis and optimization of vehicle propulsion systems. Its focus is on the control-oriented mathematical description of the physical processes and on the model-based optimization of the system structure and of the supervisory control algorithms.

**Basic Engineering Circuit Analysis** - J. David Irwin 2006-05-05

*Digital Electronics* - 2018

Fundamentals of Electrical Circuit Analysis - Md. Abdus Salam 2018-03-20

This book is designed as an introductory course for undergraduate students, in Electrical and Electronic, Mechanical, Mechatronics, Chemical and Petroleum engineering, who need fundamental knowledge of electrical circuits. Worked out examples have been presented after discussing each theory. Practice problems have also been included to enrich the learning experience of the students and professionals. PSpice and Multisim software packages have been included for simulation of different electrical circuit parameters. A number of exercise problems have been included in the book to aid faculty members.

**Fundamentals of Machine Elements** -

Bernard J. Hamrock 2007-02-01

Provides undergraduates and practicing engineers with an understanding of the theory and applications behind the fundamental concepts of

machine elements. This text includes examples and homework problems designed to test student understanding and build their skills in analysis and design.

### **Fundamentals of Electrical Engineering -**

Giorgio Rizzoni 2008

Rizzoni's Fundamentals of Electrical Engineering provides a solid overview of the electrical engineering discipline that is especially geared toward the many non-electrical engineering students who take this course. The book was developed to fit the growing trend of the Intro to EE course morphing into a briefer, less comprehensive course. The hallmark feature of this text is its liberal use of practical applications to illustrate important principles. The applications come from every field of engineering and feature exciting technologies. The appeal to non-engineering students are the special features such as Focus on Measurement sections, Focus on Methodology sections, and Make the Connections sidebars.

### **Elements of Chemical Reaction Engineering**

- H. Scott Fogler 2013-07-29

The book presents in a clear and concise manner the fundamentals of chemical reaction engineering. The structure of the book allows the student to solve reaction engineering problems through reasoning rather than through memorization and recall of numerous equations, restrictions, and conditions under which each equation applies. The fourth edition contains more industrial chemistry with real reactors and real engineering and extends the wide range of applications to which chemical reaction engineering principles can be applied (i.e., cobra bites, medications, ecological engineering)

### **Modeling and Analysis of Dynamic Systems**

- Charles M. Close 1993

This text is intended for a first course in dynamic systems and is designed for use by sophomore and junior majors in all fields of engineering, but principally mechanical and electrical engineers. All engineers must understand how dynamic systems work and what responses can be expected from various physical systems.

### **FUNDAMENTALS OF ELECTRICAL**

### **ENGINEERING - RAJENDRA PRASAD 2014-01-16**

This comprehensive book, in its third edition, continues to provide an in-depth analysis on the fundamental principles of electrical engineering.

The exposition of these principles is fully reinforced by many practical problems that illustrate the concepts discussed. Beginning with a precise and quantitative detailing of the basics of electrical engineering, the text moves on to explain the fundamentals of circuit theory, electrostatic and electromagnetism and further details on the concept of electromechanical energy conversion. The book provides an elaborate and systematic analysis of the working principle, applications and construction of each electrical machine. In addition to circuit responses under steady state conditions, the book contains the chapters on dynamic responses of networks and analysis of a three-phase circuit. In this third edition, two chapters on Electrical Power System and Domestic Lighting have been added to fulfil the syllabus requirement of various universities. The chapters discuss different methods of generating electrical power, economic consideration and tariff of power system, illumination, light sources used in lighting systems, conductor size and insulation, lighting accessories used in wiring systems, fuses and MCBs, meter board, main switch and distribution board, earthing methods, types of wiring, wiring system for domestic use and cost estimation of wiring system. Designed as a text for the undergraduate students of almost all branches of engineering, the book will also be useful to the practising engineers as reference.

Key Features

- Discusses statements with numerical examples
- Includes answers to the numerical problems at the end of the book
- Enhances learning of the basic working principles of electrical machines by using a number of supporting examples, review questions and illustrative examples

### **Fundamentals of Mechatronics, SI Edition -**

Musa Jouaneh 2012-02-09

The objective of FUNDAMENTALS OF MECHATRONICS is to cover both hardware and software aspects of mechatronics systems in a single text, giving a complete treatment to the subject matter. The text focuses on application considerations and relevant practical issues that arise in the selection and design of mechatronics components and systems. The text uses several programming languages to illustrate the key topics. Different programming platforms are presented to give instructors the choice to select

the programming language most suited to their course objectives. A separate laboratory book, with additional exercises is provided to give guided hands-on experience with many of the topics covered in the text. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Hybrid Electric Vehicles - Simona Onori  
2015-12-16

This SpringerBrief deals with the control and optimization problem in hybrid electric vehicles. Given that there are two (or more) energy sources (i.e., battery and fuel) in hybrid vehicles, it shows the reader how to implement an energy-management strategy that decides how much of the vehicle's power is provided by each source instant by instant. Hybrid Electric Vehicles:

- introduces methods for modeling energy flow in hybrid electric vehicles;
- presents a standard mathematical formulation of the optimal control problem;
- discusses different optimization and control strategies for energy management, integrating the most recent research results; and
- carries out an overall comparison of the different control strategies presented.

Chapter by chapter, a case study is thoroughly developed, providing illustrative numerical examples that show the basic principles applied to real-world situations. The brief is intended as a straightforward tool for learning quickly about state-of-the-art energy-management strategies. It is particularly well-suited to the needs of graduate students and engineers already familiar with the basics of hybrid vehicles but who wish to learn more about their control strategies.

*Product Design for the Environment* - Fabio Giudice  
2006-01-13

In recent years the increased awareness of environmental issues has led to the development of new approaches to product design, known as Design for Environment and Life Cycle Design. Although still considered emerging and in some cases radical, their principles will become, by necessity, the wave of the future in design. A thorough exploration of the subject, *Product Design for the Environment: A Life Cycle Approach* presents key concepts, basic design frameworks and techniques, and practical applications. It identifies effective methods and tools for product design, stressing the

environmental performance of products over their whole life cycle. After introducing the concepts of Sustainable Development, the authors discuss Industrial Ecology and Design for Environment as defined in the literature. They present the life cycle theory and approach, explore how to apply it, and define its main techniques. The book then covers the main premises of product design and development, delineating how to effectively integrate environmental aspects in modern product design. The authors pay particular attention to environmental strategies that can aid the achievement of the requisites of eco-efficiency in various phases of the product life cycle. They go on to explore how these strategies are closely related to the functional performance of the product and its components, and, therefore, to some aspects of conventional engineering design. The book also introduces phenomena of performance deterioration, together with principles of design for component durability, and methods for the assessment of residual life. Finally, the book defines entirely new methods and tools in relation to strategic issues of Life Cycle Design. Each theme provides an introduction to the problems and original proposals based on the authors' experience. The authors then discuss the implementation of these new concepts in design practice, differentiating between levels of intervention and demonstrating their use and effectiveness in specific case studies. The book not only presents evidence of the potential of the approach and methods proposed, but also analyzes some of the problems involved in developing eco-compatible products in the company context.

**ISE Fundamentals of Electrical Engineering** -  
Giorgio Rizzoni 2021-01-12

**The Mechatronics Handbook - 2 Volume Set**  
- Robert H. Bishop 2018-10-08

The first comprehensive reference on mechatronics, *The Mechatronics Handbook* was quickly embraced as the gold standard in the field. From washing machines, to coffeemakers, to cell phones, to the ubiquitous PC in almost every household, what, these days, doesn't take advantage of mechatronics in its design and function? In the scant five years since the initial publication of the handbook, the latest

generation of smart products has made this even more obvious. Too much material to cover in a single volume Originally a single-volume reference, the handbook has grown along with the field. The need for easy access to new material on rapid changes in technology, especially in computers and software, has made the single volume format unwieldy. The second edition is offered as two easily digestible books, making the material not only more accessible, but also more focused. Completely revised and updated, Robert Bishop's seminal work is still the most exhaustive, state-of-the-art treatment of the field available.

#### Fundamentals of Electrical Power Systems

Analysis - Md. Abdus Salam 2020-02-17

This book covers the topic from introductory to advanced levels for undergraduate students of Electrical Power and related fields, and for professionals who need a fundamental grasp of power systems engineering. The book also analyses and simulates selected power circuits using appropriate software, and includes a wealth of worked-out examples and practice problems to enrich readers' learning experience. In addition, the exercise problems provided can be used in teaching courses.

Solid State Electronic Devices - Ben G. Streetman 2000

"This is the fifth edition of the most widely used introductory book on semiconductor materials, physics, devices and technology. The book was written with two basic goals in mind: 1) develop the basic semiconductor physics concepts to understand current and future devices; 2) provide a sound understanding of current semiconductor devices and technology so that their applications to electronic and optoelectronic circuits and systems can be appreciated."--BOOK JACKET. Title Summary field provided by Blackwell North America, Inc. All Rights Reserved

Dynamic Modeling and Control of Engineering Systems - Bohdan T. Kulakowski 2007-07-02

This textbook is ideal for a course in engineering systems dynamics and controls. The work is a comprehensive treatment of the analysis of lumped parameter physical systems. Starting with a discussion of mathematical models in general, and ordinary differential equations, the book covers input/output and state space models, computer simulation and modeling

methods and techniques in mechanical, electrical, thermal and fluid domains. Frequency domain methods, transfer functions and frequency response are covered in detail. The book concludes with a treatment of stability, feedback control (PID, lead-lag, root locus) and an introduction to discrete time systems. This new edition features many new and expanded sections on such topics as: solving stiff systems, operational amplifiers, electrohydraulic servovalves, using Matlab with transfer functions, using Matlab with frequency response, Matlab tutorial and an expanded Simulink tutorial. The work has 40% more end-of-chapter exercises and 30% more examples.

Introduction to Mathematical Statistics - Robert V. Hogg 2003

**Advanced Corporate Finance** - Joseph P. Ogden 2003

The first book devoted exclusively to modern advanced corporate finance, this volume provides a comprehensive exploration of theoretical and empirical literature on corporate financial policies and strategies--particularly those of U.S. nonfinancial firms--defined in rational, economic terms. Throughout, Cases in Point show theory in relation to financial decisions made by specific firms; and Real-World Focus highlights numerous articles from the financial press, providing insights from practitioners' points of view. Empirical Perspectives On The Financial Characteristics Of Publicly Traded U.S. Nonfinancial Firms. Valuation And Financing Decisions In An Ideal Capital Market. Separation Of Ownership And Control, Principal-Agent Conflicts, And Financial Policies. Information Asymmetry And The Markets For Corporate Securities. The Roles Of Government, Securities Markets, Financial Institutions, Ownership Structure, Board Oversight, And Contract Devices. The Leverage Decision. Analyses Of The Firm And The Valuation Of Equity And Debt. Industry Analysis And Financial Policies And Strategies. The Firm's Environment, Governance, Strategy, Operations, And Financial Structure. Market Efficiency, Event Studies, Cost Of Equity Capital, And Equity Valuation. Corporate Bonds: Terms, Issuance, And Valuation. Private Equity And Venture Capital. Initial Public Offerings Of Stock. Managing

Internal Equity And Seasoned Equity Offerings. Dividend Policy And Stock Repurchases. Corporate Liabilities: Strategic Selections Of Lenders And Contract Terms. Mergers, Acquisitions, Takeovers, And Buyouts. Financial Distress And Restructuring. Debt Restructuring, Being Acquired, Bankruptcy, Reorganization, And Liquidation. Organizational Architecture, Risk Management, And Security Design. For CEOs and CFOs of corporations, senior lending officers at commercial banks, and senior officers and analysts at investment banks.

Fundamentals of Electrical Engineering - Leonard S. Bobrow 1996

Divided into four parts: circuits, electronics, digital systems, and electromagnetics, this text provides an understanding of the fundamental principles on which modern electrical engineering is based. It is suitable for a variety of electrical engineering courses, and can also be used as a text for an introduction to electrical engineering.

**Engineering Circuit Analysis** - J. David Irwin 2015-11-24

Circuit analysis is the fundamental gateway course for computer and electrical engineering majors. Engineering Circuit Analysis has long been regarded as the most dependable textbook. Irwin and Nelms has long been known for providing the best supported learning for students otherwise intimidated by the subject matter. In this new 11th edition, Irwin and Nelms continue to develop the most complete set of pedagogical tools available and thus provide the highest level of support for students entering into this complex subject. Irwin and Nelms' trademark student-centered learning design focuses on helping students complete the connection between theory and practice. Key concepts are explained clearly and illustrated by detailed worked examples. These are then followed by Learning Assessments, which allow students to work similar problems and check their results against the answers provided. The WileyPLUS course contains tutorial videos that show solutions to the Learning Assessments in detail, and also includes a robust set of algorithmic problems at a wide range of difficulty levels. WileyPLUS sold separately from text.

**Fundamentals of Pneumatics and Hydraulics** - Md. Abdus Salam 2022-04-06

This book covers the basics of DC circuits, AC

circuits, three-phase power to understand the basics and controls of electro-hydraulics and electro-pneumatics. This book covers detailed knowledge on the fluid power properties, Bernoulli's equation, Torricelli's theorem, viscosity, viscosity index, hydraulic pumps, hydraulic valves, hydraulic motors, pressure control valves, pneumatic systems, pneumatic cylinders, different types of gas laws, valve actuation, relay, magnetic contactor, different types of switches, logic gates, electro-pneumatic control circuits with different options and introduction to PLC. In addition, the detailed technique of Automation Studio software, different types of simulation circuits with hydraulics, pneumatics and electro-pneumatic are included. This book will be an excellent textbook for electromechanical, robotics, mechatronics, electrical control and mechanical students as well as for the professional who practices fluid power systems.

**Software Systems Engineering** - Andrew P. Sage 1990-03-29

This introduction to software systems engineering shows how to integrate efficient tools for software engineering into a complete systems-design methodology. The theme is improvement of software productivity via the methods, design methodologies, and management approaches of systems engineering. Covered are rapid prototyping, reusability constructs, knowledge-based systems for software development, interactive support-system environments, and systems management.

*Principles and Applications of Electrical Engineering* - Giorgio Rizzoni 2004

The fourth edition of "Principles and Applications of Electrical Engineering" provides comprehensive coverage of the principles of electrical, electronic, and electromechanical engineering to non-electrical engineering majors. Building on the success of previous editions, this text focuses on relevant and practical applications that will appeal to all engineering students.

*Mechatronics* - Godfrey Onwubolu 2005-05-25  
Mechatronics is a core subject for engineers, combining elements of mechanical and electronic engineering into the development of computer-controlled mechanical devices such as DVD

players or anti-lock braking systems. This book is the most comprehensive text available for both mechanical and electrical engineering students and will enable them to engage fully with all stages of mechatronic system design. It offers broader and more integrated coverage than other books in the field with practical examples, case studies and exercises throughout and an Instructor's Manual. A further key feature of the book is its integrated coverage of programming the PIC microcontroller, and the use of MATLAB and Simulink programming and modelling, along with code files for downloading from the accompanying website. \* Integrated coverage of PIC microcontroller programming, MATLAB and Simulink modelling \* Fully developed student exercises, detailed practical examples \* Accompanying website with Instructor's Manual, downloadable code and image bank

**Vehicle Dynamics and Control** - Rajesh Rajamani 2011-12-21

Vehicle Dynamics and Control provides a comprehensive coverage of vehicle control systems and the dynamic models used in the development of these control systems. The control system applications covered in the book include cruise control, adaptive cruise control, ABS, automated lane keeping, automated highway systems, yaw stability control, engine control, passive, active and semi-active suspensions, tire-road friction coefficient estimation, rollover prevention, and hybrid electric vehicles. In developing the dynamic model for each application, an effort is made to both keep the model simple enough for control system design but at the same time rich enough to capture the essential features of the dynamics. A special effort has been made to explain the several different tire models commonly used in literature and to interpret them physically. In the second edition of the book, chapters on roll dynamics, rollover prevention and hybrid electric vehicles have been added, and the chapter on electronic stability control has been enhanced. The use of feedback control systems on automobiles is growing rapidly. This book is intended to serve as a useful resource to researchers who work on the development of such control systems, both in the automotive industry and at universities. The book can also serve as a textbook for a graduate level course

on Vehicle Dynamics and Control.

**Introduction to MATLAB for Engineers** - William John Palm 2012

*ISE Electricity for the Trades* - Frank D. Petruzella 2019-03-09

**Statics** - James L. Meriam 2008

Over the past 50 years, Meriam & Kraige's Engineering Mechanics: Statics has established a highly respected tradition of excellence—a tradition that emphasizes accuracy, rigor, clarity, and applications. Now in a Sixth Edition, this classic text builds on these strengths, adding a comprehensive course management system, Wiley Plus, to the text, including an e-text, homework management, animations of concepts, and additional teaching and learning resources. New sample problems, new homework problems, and updates to content make the book more accessible. The Sixth Edition continues to provide a wide variety of high quality problems that are known for their accuracy, realism, applications, and variety motivating students to learn and develop their problem solving skills. To build necessary visualization and problem-solving skills, the Sixth Edition continues to offer comprehensive coverage of drawing free body diagrams— the most important skill needed to solve mechanics problems.

**Engineering Fundamentals & Problem Solving** - Arvid R. Eide 2023

"The book may be visualized as having three major sections. The first, encompassing the first three chapters, is an introduction to the engineering profession. Chapter 1 provides information on engineering disciplines and functions. If a formal orientation course is given separately, Chapter 1 can be simply a reading assignment and the basis for students to investigate disciplines of interest. Chapter 2 outlines the course of study and preparation for an engineering work environment. Interdisciplinary projects, teaming, and ethics are discussed. Chapter 3 is an introduction to the design process. If time permits, this material can be supplemented with case studies and your personal experiences to provide an interesting and motivating look at engineering"--

**SME Mining Engineering Handbook, Third Edition** - Peter Darling 2011

This third edition of the SME Mining Engineering Handbook reaffirms its international reputation as "the handbook of choice" for today's practicing mining engineer. It distills the body of knowledge that characterizes mining engineering as a disciplinary field and has subsequently helped to inspire and inform generations of mining professionals. Virtually all of the information is original content, representing the latest information from more than 250 internationally recognized mining industry experts. Within the handbook's 115 thought-provoking chapters are current topics relevant to today's mining professional: Analyzing how the mining and minerals industry will develop over the medium and long term--why such changes are inevitable, what this will mean in terms of challenges, and how they could be managed Explaining the mechanics associated with the multifaceted world of mine and mineral economics, from the decisions associated with how best to finance a single piece of high-value equipment to the long-term cash-flow issues associated with mine planning at a mature operation Describing the recent and ongoing technical initiatives and engineering developments in relation to robotics, automation, acid rock drainage, block caving optimization, or process dewatering methods Examining in detail the methods and equipment available to achieve efficient, predictable, and safe rock breaking, whether employing a tunnel boring machine for development work, mineral extraction using a mobile miner, or cast blasting at a surface coal operation Identifying the salient points that dictate which is the safest, most efficient, and most versatile extraction method to employ, as well as describing in detail how each alternative is engineered Discussing the impacts that social and environmental issues have on mining from the pre-exploration phase to end-of-mine issues and beyond, and how to manage these two increasingly important factors to the benefit of both the mining companies and other stakeholders

*The CRC Handbook of Mechanical Engineering, Second Edition* - D. Yogi Goswami 2004-09-29 Since the first edition of this comprehensive handbook was published ten years ago, many changes have taken place in engineering and related technologies. Now, this best-selling reference has been updated for the 21st century, providing complete coverage of classic engineering issues as well as groundbreaking new subject areas. The second edition of The CRC Handbook of Mechanical Engineering covers every important aspect of the subject in a single volume. It continues the mission of the first edition in providing the practicing engineer in industry, government, and academia with relevant background and up-to-date information on the most important topics of modern mechanical engineering. Coverage of traditional topics has been updated, including sections on thermodynamics, solid and fluid mechanics, heat and mass transfer, materials, controls, energy conversion, manufacturing and design, robotics, environmental engineering, economics and project management, patent law, and transportation. Updates to these sections include new references and information on computer technology related to the topics. This edition also includes coverage of new topics such as nanotechnology, MEMS, electronic packaging, global climate change, electric and hybrid vehicles, and bioengineering.

Electrical Machines-I - P.S. Bimbhra, G.C. Garg This book is written so that it serves as a text book for B.E./B.Tech degree students in general and for the institutions where AICTE model curriculum has been adopted. TOPICS COVERED IN THIS BOOK:- Magnetic field and Magnetic circuit Electromagnetic force and torque D.C. Machines D.C. Machines-Motoring and Generation SALIENT FEATURES:- Self-contained, self-explanatory and simple to follow text. Numerous worked out examples. Well Explained theory parts with illustrations. Exercises, objective type question with answers at the end of each chapter.