

Read Free Basic Electrical Engineering Arvind Mittal

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Advances in Clean Energy Technologies S. Chand

This book (Vol. I) presents select proceedings of the conference on "Advancement in Materials, Manufacturing, and Energy Engineering (ICAMME 2021)." It discusses the latest materials, manufacturing processes, evaluation of materials properties for the application in automotive, aerospace, marine, locomotive, and energy sectors. The topics covered include advanced metal forming, bending, welding and casting techniques, recycling and re-manufacturing of materials and components, materials processing, characterization and applications, materials, composites and polymer manufacturing, powder metallurgy and ceramic forming, numerical modeling and simulation, advanced machining processes, functionally graded materials, non-destructive examination, optimization techniques, engineering materials, heat treatment, material testing, MEMS integration, energy materials, bio-materials, metamaterials, metallography, nanomaterial, SMART materials, bioenergy, fuel cell, and superalloys. The book will be useful for students, researchers, and professionals interested in interdisciplinary topics in the areas of materials, manufacturing, and energy sectors.

Select Proceedings of AREEV 2020 Tata McGraw-Hill Education

Basic Consideration in Design * Electrical Materials * Magnetic Circuit Calculations * Heating and Cooling H Design of Transformers * Review Questions of Transformer Design H Armature Winding for D.C. Machines * Design of D.C. Machines H Design of D.C. Motor Starter H Review Questions in Design of D.C. Machines H A.C. Armature Winding H Design of 3-Phase Induction Motors * Single phase Induction Motors * Review Questions of Induction Motors * Design of Synchronous Machines * Short Questions on Design of Synchronous Machines * Computer Aided Design of Electrical Machines * Design of Lifting Magnets * Viva-voce Questions * Appendix * Standard Specifications and Design Data.

Energy Conversion Systems McGraw-Hill Education

Designed for the first year engineering students of all branches in RGPV, this text offers detailed coverage of Basic Electrical and Electronics Engineering course. The emphasis is given on clarification of basic concepts, principles and techniques. Enriched with lucid language, it covers the complete syllabus of RGPV. Numerous solved examples and practice questions are given in the text for better understanding of the concepts.

Basic Electrical Engineering Tata McGraw-Hill Education

A manual on the basic concepts of electrical engineering includes discussions of circuit elements, network theory, digital systems, and feedback control

Advances in Communication and Computational Technology Tata McGraw-Hill Education

This textbook provides comprehensive, in-depth coverage of the fundamental concepts of electrical engineering. It is written from an engineering perspective, with special emphasis on circuit functionality and applications. Reliance on higher-level mathematics and physics, or theoretical proofs has been intentionally limited in order to prioritize the practical aspects of electrical engineering. This text is therefore suitable for a number of introductory circuit courses for other majors such as mechanical, biomedical, aerospace, civil, architecture, petroleum, and industrial engineering. The authors' primary goal is to teach the aspiring engineering student all fundamental tools needed to understand, analyze and design a wide range of practical circuits and systems. Their secondary goal is to provide a comprehensive reference, for both major and non-major students as well as practicing engineers.

Proceedings of ICRIC 2020 Springer

The Most Authentic Source Of Information On Higher Education In India The Handbook Of Universities, Deemed Universities, Colleges, Private Universities And Prominent Educational & Research Institutions Provides Much Needed Information On Degree And Diploma Awarding Universities And Institutions Of National Importance That Impart General, Technical And Professional

Education In India. Although Another Directory Of Similar Nature Is Available In The Market, The Distinct Feature Of The Present Handbook, That Makes It One Of Its Kind, Is That It Also Includes Entries And Details Of The Private Universities Functioning Across The Country. In This Handbook, The Universities Have Been Listed In An Alphabetical Order. This Facilitates Easy Location Of Their Names. In Addition To The Brief History Of These Universities, The Present Handbook Provides The Names Of Their Vice-Chancellor, Professors And Readers As Well As Their Faculties And Departments. It Also Acquaints The Readers With The Various Courses Of Studies Offered By Each University. It Is Hoped That The Handbook In Its Present Form, Will Prove Immensely Helpful To The Aspiring Students In Choosing The Best Educational Institution For Their Career Enhancement. In Addition, It Will Also Prove Very Useful For The Publishers In Mailing Their Publicity Materials. Even The Suppliers Of Equipment And Services Required By These Educational Institutions Will Find It Highly Valuable.

Engineering Physics(Be 201) Nova Science Publishers

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.

The Indian National Bibliography Tata McGraw-Hill Education

This comprehensive book with a blend of theory and solved problems on Basic Electrical Engineering has been updated and upgraded in the Second Edition as per the current needs to cater undergraduate students of all branches of engineering and to all those who are appearing in competitive examinations such as AMIE, GATE and graduate IETE. The text provides a lucid yet exhaustive exposition of the fundamental concepts, techniques and devices in basic electrical engineering through a series of carefully crafted solved examples, multiple choice (objective type) questions and review questions. The book covers, in general, three major areas: electric circuit theory, electric machines, and measurement and instrumentation systems.

Basic Electronics Tata McGraw-Hill Education

This book includes high-quality research papers presented at 3rd International Conference on Sustainable Communication Networks and Applications (ICSCN 2021), which is held at Surya Engineering College (SEC), Erode, India, during 29-30 July 2021. This book includes novel and state-of-the-art research discussions that articulate and report all research aspects, including theoretical and experimental prototypes and applications that incorporate sustainability into emerging applications. The book discusses and articulates emerging challenges in significantly reducing the energy consumption of communication systems and also explains development of a sustainable and energy-efficient mobile and wireless communication network. It includes best selected high-quality conference papers in different fields such as Internet of Things, cloud computing, data mining, artificial intelligence, machine learning, autonomous systems, deep learning, neural networks, renewable energy sources, sustainable wireless communication networks, QoS, network sustainability, and many other related areas.

BEEE - RGPV 2011 Springer Nature

The Hip Joint, written in 2016, provides a detailed account of the hip joint's anatomy and biomechanics and covers recent trends in orthopaedic surgery of the hip joint, including the latest advances in revision total hip arthroplasty (THA), computer-assisted navigation for THA, resurfacing of the hip joint and neoplastic conditions around the hip as well as indications, complications and outcomes of hip arthroscopy. Another book, The Hip Joint in Adults: Advances and Developments, gives additional important details of how hip joint surgery has evolved around the world. While much of the basic knowledge in this area is constant, it is critically important to stay current on those areas that do change. This updated second edition of The Hip Joint contains a host of original articles from contributory authors all around the world, showing the evolution of the hip joint till the present day, building upon the solid foundation set by the first edition. It covers hot topics such as 3D

printing in orthopaedics and traumatology, stem cell therapy in orthopaedics, hip resurfacing, hip-preserving surgery, sports medicine for the hip joint, robotic-assisted surgery in orthopaedics and neoplastic conditions around the hip.

Advances in Renewable Energy and Electric Vehicles Tata McGraw-Hill Education

This book presents select proceedings of the international conference on Innovations in Clean Energy Technologies (ICET 2020) and examines a range of durable, energy efficient and next-generation smart green technologies for sustainable future by reflecting on the trends, advances and development taking place all across the globe. The topics covered include smart technologies based product, energy efficient systems, solar and wind energy, carbon sequestration, green transportation, green buildings, energy material, biomass energy, smart cities, hydro power, bio-energy and fuel cell. The book also discusses various performance attributes of these clean energy technologies and their workability and carbon footprint. The book will be a valuable reference for beginners, researchers and professionals interested in clean energy technologies.

Electrical Engineering Fundamentals PHI Learning Pvt. Ltd.

This book is a collection of selected peer-reviewed papers presented at the International Conference on Signal Processing and Communication (ICSC 2018). It covers current research and developments in the fields of communications, signal processing, VLSI circuits and systems, and embedded systems. The book offers in-depth discussions and analyses of latest problems across different sub-fields of signal processing and communications. The contents of this book will prove to be useful for students, researchers, and professionals working in electronics and electrical engineering, as well as other allied fields.

Electrical Engg-Msbte Springer Nature

The book gives an exhaustive exposition of the fundamental concepts, techniques and devices in Basic Electronics Engineering. The book covers the basic course in basic electronics of almost all the Indian technical universities and some foreign universities as well. It is particularly well suited undergraduate students of all Engineering disciplines. Diploma students of EEE and ECE will find useful too. Basic Electronics is designed as the one-stop solution for those attempting to teach as well as study a course on Basic Electronics. The carefully developed pedagogy will help the instructor pick thought-provoking questions for tutorials and examinations, as well as allow plenty of practice for the students. Salient Features • Approach modular, and exposition of subject matter through illustrations • Block-diagrams and circuit diagrams used aplenty to enhance understanding • Pedagogy count and features: • Solved Examples- 136 • MCQs- 189 • Review Questions- 235 • Problems- 163 • Diagrams- 409

Fundamentals of Electrical Engineering Basic Elec Engg,2E

This book deals with the fundamentals of electrical engineering concepts like design & application of circuitry, equipment for power generation & distribution and machine control. Features Transformers discussed in detail. Thoroughly revised chapters on Single and Three-Phases Induction Motors. New

chapter on: 1. Three-Phase Alternator 2. Electromechanical Energy Conversion 3. Testing of DC Machines

Basic Electrical Engineering Routledge

Covering the fundamentals of electrical technology and using these to introduce the application of electrical and electronic systems, this text had been updated to include recent developments in technology. It avoids unnecessary mathematics and features improved teaching aids, including: worked examples; updated and graded review questions; colour diagrams and chapter summaries. It is designed for use by students on NC, HNC and HND courses in electrical and electronic engineering.

Experimentation, Viva-Voice On Electrical Machines Laxmi Publications, Ltd.

This book features selected papers presented at the 3rd International Conference on Recent Innovations in Computing (ICRIC 2020), held on 20–21 March 2020 at the Central University of Jammu, India, and organized by the university's Department of Computer Science & Information Technology. It includes the latest research in the areas of software engineering, cloud computing, computer networks and Internet technologies, artificial intelligence, information security, database and distributed computing, and digital India.

An Overview Springer

Basic Elec Engg,2ETata McGraw-Hill Education

Select Proceedings of ICAMME 2021 Tata McGraw-Hill Education

Basic Electrical and Electronics Engineering provides an overview of the basics of electrical and electronic engineering that are required at the undergraduate level. The book allows students outside electrical and electronics engineering to easily

Basic Electrical and Electronics Engineering: Oxford Series in Electrical and Computer Engineering

This book presents high-quality peer-reviewed papers from the International Conference on Advanced Communication and Computational Technology (ICACCT) 2019 held at the National Institute of Technology, Kurukshetra, India. The contents are broadly divided into four parts: (i) Advanced Computing, (ii) Communication and Networking, (iii) VLSI and Embedded Systems, and (iv) Optimization Techniques. The major focus is on emerging computing technologies and their applications in the domain of communication and networking. The book will prove useful for engineers and researchers working on physical, data link and transport layers of communication protocols. Also, this will be useful for industry professionals interested in manufacturing of communication devices, modems, routers etc. with enhanced computational and data handling capacities.

Springer

In the present edition, authors have made sincere efforts to make the book up-to-date. A notable feature is the inclusion of two chapters on Power System. It is hoped that this edition will serve the readers in a more useful way.