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Basic Electrical Engineering (As Per Vtu Syllabus) Textbook Of Control Systems Engineering (Vtu) A Textbook of Electrical Technology - Volume I (Basic Electrical Engineering) Basic Electrical Engineering ABC of Electrical Engineering Basic Electrical Engineering Semester-II (RTM) Nagpur University BASIC ELECTRICAL ENGINEERING Advances in VLSI, Signal Processing, Power Electronics, IoT, Communication and Embedded Systems ENGINEERING CHEMISTRY (AS PER NEP 2020, VTU) Convergence of Deep Learning and Internet of Things: Computing and Technology A Textbook Of Engineering Physics (As Per Vtu Syllabus) Engineering Physics: With Laboratory Manual Advances in Communication, Signal Processing, VLSI, and Embedded Systems 4th international conference electrical, electronics, communication, computer technologies and optimization techniquess Research Anthology on Artificial Neural Network Applications Comprehensive Basic Electrical Engineering Sustainable Technology and Advanced Computing in Electrical Engineering The Elements of Mechanical and Electrical Engineering Novel Research and Development Approaches in Heterogeneous Systems and Algorithms The Elements of Mechanical and Electrical Engineering: Answers to questions ELEMENTS OF CIVIL ENGINEERING AND ENGINEERING MECHANICS Deep Learning Applications and Intelligent Decision Making in Engineering Advances in Electrical and Computer Technologies Intelligent Systems Low Power Architectures for IoT Applications Smart Technologies for Energy, Environment and Sustainable Development, Vol 1 4th International Conference, Power System Protection and Automation, 21-22 November 2007, New Delhi, India Emerging Research in Electronics, Computer Science and Technology Electrical Engineering Intelligent Technologies: Concepts, Applications, and Future Directions, Volume 2 Proceedings of Third International Conference on Communication, Computing and Electronics Systems Handbook of Universities 5000 MCQ: Electrical Engineering For UPSC GATE/PSUs Scientific Computing in Electrical Engineering The Fundamentals of Electrical Engineering Advances in Electrical Engineering and Computational Science Intelligent Systems Technologies and Applications 2016 Emerging Research in Computing, Information, Communication and Applications Inventive Systems and Control Foundation and Growth of Macromolecular Science

Basic Electrical Engineering (As Per Vtu Syllabus) 2007-01-01 the primary objective of vol i of a text book of electrical technology is to provied a comprehensive treatment of topics in basic electrical engineering both for electrical aswell as nonelectrical students pursuing their studies in civil mechnacial mining texttile chemical industrial nviromental aerospace electronicand computer engineering both at the degree and diplomalevel based on the suggestions received from our esteemed readers both from india and abroad the scope of the book hasbeen enlarged according to their requirements almost half the solved examples have been deleted and replaced by latest examination papers set upto 1994 in different engineering collage and technical institutions in india and abroad

Textbook Of Control Systems Engineering (Vtu) 2008 basic electrical engineering is written exclusively for b tech second semester students of various branches as per the revised syllabus of rashtrasant tukadoji maharaj nagpur university nagpur rtmnu nagpur each of the important topics that help the student in learning the principles of electrical engineering more effectively have been included

A Textbook of Electrical Technology - Volume I (Basic Electrical Engineering) 2005 this book is prepared as per the syllabus of visvesvaraya technological university karnataka for first year b tech engineering course using the reference books given in the course syllabus authors have tried to elucidate the topics such a way that even a mediocre student can assimilate them many solved problems sample question papers and exercise given in every section will provide a thorough understanding of topics

Basic Electrical Engineering 2009-02 this book comprises select peer reviewed papers from the international conference on vlsi signal processing power electronics iot communication and embedded systems vspice 2020 the book provides insights into various aspects of the emerging fields in the areas electronics and communication engineering as a holistic approach the various topics covered in this book include vlsi embedded systems signal processing communication power electronics and internet of things this book mainly focuses on the most recent innovations trends concerns and practical challenges and their solutions this book will be useful for academicians professionals and researchers in the area of electronics and communications and electrical engineering

ABC of Electrical Engineering 2012 digital technology has enabled a number of internet enabled devices that generate huge volumes of data from different systems this large amount of heterogeneous data requires efficient data collection processing and analytical methods deep learning is one of the latest efficient and feasible solutions that enable smart devices to function independently with a decision making support system convergence of deep learning and internet of things computing and technology contributes to technology and methodology perspectives in the incorporation of deep learning approaches in solving a wide range of issues in the iot domain to identify optimize predict forecast and control emerging iot systems covering topics such as data quality edge computing and attach detection and prediction this premier reference source is a comprehensive resource for electricians communications specialists mechanical engineers civil engineers computer scientists students and educators of higher education librarians researchers and academicians

Basic Electrical Engineering Semester-II (RTM) Nagpur University 2016-08-01 this textbook is a comprehensive up to date volume providing the concepts and applications of contemporary physics for the use of students pursuing undergraduate engineering degree courses in institutions affiliated to indian universities located in different zones a modern description of interaction between atoms and molecules is given along with discussions of topics such as lasers nanotechnology magnetic properties of materials superconductivity and applications many riders at the end of each chapter are the salient features of this textbook this may in turn serve the purpose of gate aspirants and others aspiring for faculty positions in universities colleges and research institutions through written examinations

BASIC ELECTRICAL ENGINEERING 2021-04-10 the present book is designed for the first year engineering students

Advances in VLSI, Signal Processing, Power Electronics, IoT, Communication and Embedded Systems 2022-02-20 this book comprises selected peer reviewed papers from the international conference on vlsi signal processing power systems illumination and lighting control communication and embedded systems vspice 2019 the contents are divided into five broad topics vlsi and embedded systems signal processing power systems illumination and control and communication and networking the book focuses on the latest innovations trends and challenges encountered in the different areas of electronics and communication and electrical engineering it also offers potential solutions and provides an insight into various emerging areas such as image fusion bio sensors and underwater sensor networks this book can prove to be useful for academics and professionals interested in the various sub fields of electronics and communication engineering

ENGINEERING CHEMISTRY (AS PER NEP 2020, VTU) 2022-12-19 artificial neural networks anns present many benefits in analyzing complex data in a proficient manner as an effective and efficient problem solving method anns are incredibly useful in many different fields from education to medicine and banking to engineering

artificial neural networks are a growing phenomenon as more realize the plethora of uses and benefits they provide due to their complexity it is vital for researchers to understand ann capabilities in various fields the research anthology on artificial neural network applications covers critical topics related to artificial neural networks and their multitude of applications in a number of diverse areas including medicine finance operations research business social media security and more covering everything from the applications and uses of artificial neural networks to deep learning and non linear problems this book is ideal for computer scientists it specialists data scientists technologists business owners engineers government agencies researchers academicians and students as well as anyone who is interested in learning more about how artificial neural networks can be used across a wide range of fields

Convergence of Deep Learning and Internet of Things: Computing and Technology 2014-08 the book includes peer reviewed papers of the international conference on sustainable technology and advanced computing in electrical engineering icstace 2021 the main focus of the book is electrical engineering the conference aims to provide a global platform to the researchers for sharing and showcasing their discoveries findings innovations the book focuses on the areas related to sustainable development and includes research works from academicians and industry experts the book discusses new challenges and provides solutions at the interface of technology information complex systems and future research directions

A Textbook Of Engineering Physics (As Per Vtu Syllabus) 2010-09-29 almost every element of life from commerce and agriculture to communication and entertainment has been profoundly altered by computing around the world people rely on computers for the creation of systems for energy transportation and military use additionally computing fosters scientific advancements that advance our basic understanding of the world and assist in finding answers to pressing health and environmental issues novel research and development approaches in heterogeneous systems and algorithms addresses novel research and developmental approaches in heterogenous systems and algorithms for information centric networks of the future covering topics such as image identification and segmentation materials data extraction and wireless sensor networks this premier reference source is a valuable resource for engineers consultants practitioners computer scientists students and educators of higher education librarians researchers and academicians

Engineering Physics: With Laboratory Manual 2019-11-30 this book in its third edition continues to focus on the basics of civil engineering and engineering mechanics to provide students with a balanced and cohesive study of the two areas as needed by them in the beginning of their engineering education a basic undergraduate textbook for the first year students of all branches of engineering this book is specifically designed to conform to the syllabus of visvesvaraya technological university vtu imparting the basic knowledge in various facets of civil engineering and the related engineering structures and infrastructure such as buildings roads highways dams and bridges the third edition covers the engineering mechanics portion in eleven chapters each chapter introduces the concepts to the reader stepwise providing a wealth of practice examples the book emphasizes the importance of building strong analytical skills practice problems at the end of each chapter give students an opportunity to absorb concepts and hone their problem solving skills the book comes with a companion cd containing the software developed using ms excel to work out the problems on forces centroid friction and moment of inertia the use of this software will enable the students to understand the concepts in a relatively better way new to this edition introduces a chapter on kinematics as per the revised civil engineering syllabus of vtu updates with the latest examination question papers including the one held in the month of december 2013

Advances in Communication, Signal Processing, VLSI, and Embedded Systems 2021-07-16 deep learning includes a subset of machine learning for processing the unsupervised data with artificial neural network functions the major advantage of deep learning is to process big data analytics for better analysis and self adaptive algorithms to handle more data when applied to engineering deep learning can have a great impact on the decision making process deep learning applications and intelligent decision making in engineering is a pivotal reference source that provides practical applications of deep learning to improve decision making methods and construct smart environments highlighting topics such as smart transportation e commerce and cyber physical systems this book is ideally designed for engineers computer scientists programmers software engineers research scholars it professionals academicians and postgraduate students seeking current research on the implementation of automation and deep learning in various engineering disciplines

4th international conference electrical, electronics, communication, computer technologies and optimization techniquess 2005 the book comprises select proceedings of the first international conference on advances in electrical and computer technologies 2019 icaect 2019 the papers presented in this book are peer reviewed and cover wide range of topics in electrical and computer engineering fields this book contains the papers presenting the latest developments in the areas of electrical

electronics communication systems and computer science such as smart grids soft computing techniques in power systems smart energy management systems power electronics feedback control systems biomedical engineering geo informative systems grid computing data mining image and signal processing video processing computer vision pattern recognition cloud computing pervasive computing intelligent systems artificial intelligence neural network and fuzzy logic broad band communication mobile and optical communication network security vlsi embedded systems optical networks and wireless communication this book will be of great use to the researchers and students in the areas of electrical and electronics engineering communication systems and computer science

Research Anthology on Artificial Neural Network Applications 2022-11-02 this book features best selected research papers presented at the international conference on machine learning internet of things and big data icmib 2020 held at indira gandhi institute of technology sarang india during september 2020 it comprises high quality research work by academicians and industrial experts in the field of machine learning mobile computing natural language processing fuzzy computing green computing human computer interaction information retrieval intelligent control data mining and knowledge discovery evolutionary computing iot and applications in smart environments smart health smart city wireless networks big data cloud computing business intelligence internet security pattern recognition predictive analytics applications in healthcare sensor networks and social sensing and statistical analysis of search techniques

Comprehensive Basic Electrical Engineering 1898 this book provides comprehensive coverage of different aspects of low power circuit synthesis for iot applications at various levels of the design hierarchy starting from the layout level to the system level for a seamless understanding of the subject the basics of mos circuits have been introduced at the transistor gate and circuit level followed by various low power design methodologies such as supply voltage scaling switched capacitance minimization techniques and leakage power minimization approaches the contents of this book are useful to students researchers as well as practicing engineers low power architectures refer to the latest development in computer microchips which are created by integrating hundreds of thousands of transistors on one chip for different iot applications emerging research in this area has the potential to uncover further applications for iot in addition to system advancements

Sustainable Technology and Advanced Computing in Electrical Engineering 2023-03-07 this book contains select proceedings of the international conference on smart technologies for energy environment and sustainable development icsteesd 2020 the book is broadly divided into the themes of energy environment and sustainable development and discusses the significance and solicitations of intelligent technologies in the domain of energy and environmental systems engineering topics covered in this book include sustainable energy systems including renewable technologies energy efficiency techno economics of energy system and policies integrated energy system planning environmental management energy efficient buildings and communities sustainable transportation smart manufacturing processes etc the book will be a valuable reference for young researchers professionals and policy makers working in the areas of energy environment and sustainable development

The Elements of Mechanical and Electrical Engineering 1898 pes college of engineering is organizing an international conference on emerging research in electronics computer science and technology icerect 12 in mandya and merging the event with golden jubilee of the institute the proceedings of the conference presents high quality peer reviewed articles from the field of electronics computer science and technology the book is a compilation of research papers from the cutting edge technologies and it is targeted towards the scientific community actively involved in research activities

Novel Research and Development Approaches in Heterogeneous Systems and Algorithms 2014-07-30 this book discusses automated computing systems which are mostly powered by intelligent technologies like artificial intelligence machine learning image recognition speech processing cloud computing etc to perform complex automated tasks which are not possible by traditional computing systems the chapters are extended version of research works presented at second phd research symposium in various advanced technologies used in the field of computer science this book provides an opportunity for the researchers to get ideas regarding the ongoing works that help them in formulating problems of their interest the academicians can also be benefited to know about the current research trends that smooth the way to guide their students to carry out research work in the proper direction the industry people will be also facilitated to know about the current advances in research work and materialize the research work into industrial applications

The Elements of Mechanical and Electrical Engineering: Answers to questions 2020-10-23 this book includes high quality research papers presented at the international conference on communication computing and electronics systems 2021 held at the ppg institute of technology coimbatore india on 28 29 october 2021 the volume focuses mainly on the research trends in cloud computing mobile computing artificial intelligence and advanced electronics systems the topics covered

are automation vlsi embedded systems optical communication rf communication microwave engineering artificial intelligence deep learning pattern recognition communication networks internet of things cyber physical systems and healthcare informatics

ELEMENTS OF CIVIL ENGINEERING AND ENGINEERING MECHANICS 2020-09-07 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

Deep Learning Applications and Intelligent Decision Making in Engineering 2021-04-19 5000 mcq electrical engineering for upsc gate psus the first edition of electrical engineering contains nearly 5000 mcqs which focuses in depth understanding of subjects at basic and advanced level which has been segregated topic wise to disseminate all kind of exposure to students in terms of quick learning and deep preparation the topic wise segregation has been done to align with contemporary competitive examination pattern attempt has been made to bring out all kind of probable competitive questions for the aspirants preparing for upsc gate psus and other exams the content of this book ensures threshold level of learning and wide range of practice questions which is very much essential to boost the exam time confidence level and ultimately to succeed in all prestigious engineer s examinations it has been ensured to have broad coverage of subjects at chapter level while preparing this book utmost care has been taken to cover all the chapters and variety of concepts which may be asked in the exams the solutions and answers provided are upto the closest possible accuracy the full efforts have been made by our team to provide error free solutions and explanations dear electrical engineering students we provide basic multiple choice questions and answers with explanation civil objective type questions mcqs download here these are very important helpful for campus placement test semester exams job interviews and competitive exams like upsc gate ies and psu net set jrf upsc and diploma especially we are prepare for the electrical engineering freshers and experienced candidates these model questions are asked in the online technical test quiz and interview of many companies these are also very important for your lab viva in university exams like rtu jntu andhra ou anna university pune vtu uptu cusat etc 5000 mcq electrical engineering for upsc gate psus electricalengineering eemcqs 5000 mcqs upscies esemcqs gateeemcqs psusmcq electricaltest questionbank questionanswer electricaltopicwisemcq

Advances in Electrical and Computer Technologies 2023-04-04 this book presents the proceedings of the 4th international workshop scientific computing in electrical engineering held in eindhoven the netherlands from june 23 28 2002 this workshop followed three earlier workshops held in 1997 at the darmstadt university of technology in 1998 at the weierstrass institute for applied analysis and stochastics and in 2000 at the university of rostock the main topics of scee 2002 were computational electrodynamics circuit simulation and coupled problems the objective of the workshop which was mainly directed at mathematicians and electrical engineers was to bring together scientists from universities and industry with the goal of intensive discussions about modelling and numerical simulation of electronic circuits and electromagnetic fields a special feature was the industry day where distinguished speakers discussed the needs of industry in the field of computational electromagnetics and circuit simulation the book contains papers of invited and contributed talks as well as from poster presentations

Intelligent Systems 2022-02-25 the technical systems we develop today are complicated the challenges vehicle manufacturers are facing involve a combination of the fields of electronics mechanics control engineering telecommunications computer engineering and software programming in order to realise the required functionality this multi disciplinary field of engineering is called mechatronics and one of the key disciplines in this field is electronic engineering consequently knowledge of the basic laws and principles of electronic engineering is mandatory for anyone who wants to work in the field of mechatronics this book therefore explains the fundamentals of electrical engineering with an emphasis on mechatronic systems starting with basic laws the main focus is on circuit analysis including

dc and ac circuits transient effects filters and oscillating circuits basic circuit elements are introduced as well as more complex semiconductor devices like operational amplifiers biopolar junction transistors and mosfet field effect transistors finally a short introduction to the important field of circuit simulation completes the book the latest vehicles are classic examples of mechatronic systems automotive applications are therefore used throughout the book as examples to demonstrate the application of the discussed topics in a mechatronic environment

Low Power Architectures for IoT Applications 2007 advances in electrical engineering and computational science contains sixty one revised and extended research articles written by prominent researchers participating in the conference topics covered include control engineering network management wireless networks biotechnology signal processing computational intelligence computational statistics internet computing high performance computing and industrial applications advances in electrical engineering and computational science will offer the state of art of tremendous advances in electrical engineering and computational science and also serve as an excellent reference work for researchers and graduate students working with on electrical engineering and computational science

Smart Technologies for Energy, Environment and Sustainable Development, Vol 1 2013-09-13 this book constitutes the thoroughly refereed proceedings of the second international symposium on intelligent systems technologies and applications ista 16 held on september 21 24 2016 in jaipur india the 80 revised papers presented were carefully reviewed and selected from 210 initial submissions and are organized in topical sections on image processing and artificial vision computer networks and distributed systems intelligent tools and techniques and applications using intelligent techniques

4th International Conference, Power System Protection and Automation, 21-22 November 2007, New Delhi, India 2007 this book presents the proceedings of international conference on emerging research in computing information communication and applications ercica 2020 the conference provides an interdisciplinary forum for researchers professional engineers and scientists educators and technologists to discuss debate and promote research and technology in the upcoming areas of computing information communication and their applications the book discusses these emerging research areas providing a valuable resource for researchers and practicing engineers alike

Emerging Research in Electronics, Computer Science and Technology 2023-06-01 this book presents selected papers from the 5th international conference on inventive systems and control icisc 2021 held on 7 8 january 2021 at jct college of engineering and technology coimbatore india the book includes an analysis of the class of intelligent systems and control techniques that utilises various artificial intelligence technologies where there are no mathematical models and systems available to make them remain controlled inspired by various existing intelligent techniques the primary goal is to present the emerging innovative models to tackle the challenges faced by the existing computing and communication technologies the proceedings of icisc 2021 aim at presenting the state of the art research developments trends and solutions for the challenges faced by the intelligent systems and control community with the real world applications the included research articles feature the novel and unpublished research works on intelligent system representation and control

Electrical Engineering 2022-03-19 this new volume explores the foundation of macromolecular science along with the field s current challenges and solutions to challenges the book discusses many new applications that have emerged recently based on different polymers and their composites inlcuding some on the application of polymer composite in electromagnetic interference emi shielding sensing and wound healing this book discusses innovations in the synthesis and characterization of many different classes of polymers and provides in depth explanations of the behavior of polymers in solutions and in bulk it considers the synthesis characterization properties and applications of many polymer composites and nanomaterials the diverse topics cover zein based composites nanocellulose extracted as a potential filler for polymers polymers to strengthen concrete polymer metal nanocomposite magnetic materials synthetic polymers in aquatic environments pharmaceutical 3d printing alginate based wound healing dressings and more many chapters in the volume place emphasis on sustainable development and green eco friendly approaches this volume will help researchers to understand the significance of macromolecular science and research advances for sustainable development for the benefit of humanity it emphasizes the many roles of macromolecular science in the important fields of science such as chemistry physics engineering biology pharmaceutical science and more

Intelligent Technologies: Concepts, Applications, and Future Directions, Volume 2 2006

Proceedings of Third International Conference on Communication, Computing and Electronics Systems 2004-08-11

Handbook of Universities 2014-06-23

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