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# **Basic Electrical and Electronics Engineering**

2011

this book provides an overview of the basics of electrical and electronic engineering that are required at the undergraduate level efforts have been taken to keep the complexity level of the subject to bare minimum so that the students of non electrical electronics can easily understand the basics it offers an unparalleled exposure to the entire gamut of topics such as electricity fundamentals network theory electro magnetism electrical machines transformers measuring instruments power systems semiconductor devices digital electronics and integrated circuits

## **Basic Electrical Engineering**

2011

basic electrical and electronics engineering for ptu is a student friendly practical and example driven book that gives students a solid foundation in the basics of electrical and electronics engineering the contents have been tailored to exactly correspond with the requirements of the core course basic electrical and electronics engineering offered to the students of punjab technical university in their first year a rich collection of solved examples and chapters mapped to

the university syllabus make this book indispensable for students

# Basic Electrical And Electronics Engineering I (For Wbut)

2010-09

it has often been experienced that students are required to perform experiments on certain topic before the relevant theory has been taught in the class a laboratory manual which in addition to a set of instructions for performing experiments includes related theory in brief could help students understand experiments better in response of demand from a large number of states for an appropriate laboratory manual in basic electricity and electrical measurements the t t t i chandigarh has prepared this manual which has been tried out in various polytechnics and improved based on the feedback the basic objective of the manual is to encourage students to perform experiments independently and purposefully the manual organises the information to enable the students to verify known concepts and principles and to follow certain procedures and practices and thereby acquire relevant skills detailed instructions for carrying out each experiment alongwith relevant theory in brief have been given the objectives for performing an experiment have been included at the beginning of each experiment a list of questions given at the end of each experiment will

help students evaluate his own understanding the manual also includes guidelines for students and teachers for its effective use an assessment proforma given at the beginning of the manual may be used by the teachers in evaluating the students

## **Basic Electrical and Electronics Engineering: For PTU**

2011

basic electrical and electronics engineering ii for wbut is a student friendly practical and example driven book that gives students a solid foundation in the basics of electrical and electronics engineering the contents have been tailored to exactly correspond with the requirements of the core course basic electrical and electronics engineering ii offered to the students of west bengal university of technology in their first year a rich collection of solved examples and chapters mapped to the university syllabus make this book indispensable for students

## **Experiments In Basic Electrical Engineering**

2007

basic electrical engineering for bput is designed as per the syllabus requirements of the first year core paper

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**5/26**

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books

basic electrical engineering offered to undergraduate students of engineering in the biju patnaik university of technology with its simple language and clear cut style of explanation this book presents an intelligent understanding of the basics of electrical engineering

## **Basic Electrical and Electronics Engineering**

2015

basic electrical and electronics engineering for rgpv is a student friendly practical and example driven book that gives its readers a solid foundation in the basics of electrical and electronics engineering the contents have been tailored to exactly correspond with the requirements of the core course basic electrical and electronics engineering offered to the students of rajiv gandhi proudyogiki vishwavidyalaya in their first year a rich collection of solved examples and chapters mapped to the university syllabus make this book indispensable for students

## ***Basic Electrical and Electronics Engineering***

2010

fundamentals of electrical electronics engineering 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 books covers six topics overview of electronics components and signals overview of analog circuits overview of digital electronics electric and magnetic circuits a c circuits and transformer and machines each topic is written in easy and lucid manner a set of exercises at the end of each unit to test the student's comprehension is provided some salient features of the book | content of the book aligned with the mapping of course outcomes programs outcomes and unit outcomes | the practical applications of the topics are discussed along with micro projects and activities for generating further curiosity as well as improving problem solving capacity | book provides lots of vital facts concepts principles and other interesting information | qr codes of video resources and websites to enhance use of ict for relevant supportive knowledge have been provided | student and teacher centric course materials included in book in balanced manner | figures tables equations and comparative charts are inserted to improve clarity of the topics | objective questions and subjective questions are given for practices of students at the end of each unit solved and unsolved problems including numerical examples are solved with systematic steps

# **Basic Electrical and Electronics Engineering-II: For WBUT**

2011

this book is designed based on revised syllabus of gujarat technological university gujarat aicte model curriculum for under graduate b tech be students of all branches those who study basic electrical engineering as one of the subject in their curriculum the primary goal of this book is to establish a firm understanding of the basic laws of electric circuits network theorems resonance three phase circuits transformers electrical machines and electrical installation

# **Basic Electrical Engineering: for BPUT**

2011

the design of mechanical components for various engineering applications requires the understanding of stress distribution in the materials the need of determining the nature of stress distribution on the components can be achieved with experimental techniques applications and techniques for experimental stress analysis is a timely research publication that examines how experimental stress analysis supports the development and validation of analytical and numerical models the progress of



phenomenological concepts the measurement and control of system parameters under working conditions and identification of sources of failure or malfunction highlighting a range of topics such as deformation strain measurement and element analysis this book is essential for mechanical engineers civil engineers designers aerospace engineers researchers industry professionals academicians and students

## **Basic Electrical and Electronics Engineering**

2016

this unique book dicusses the latest research innovative ideas challenges and computational intelligence ci solutions in sustainable computing it presents novel in depth fundamental research on achieving a sustainable lifestyle for society either from a methodological or from an application perspective sustainable computing has expanded to become a significant research area covering the fields of computer science and engineering electrical engineering and other engineering disciplines and there has been an increase in the amount of literature on aspects sustainable computing such as energy efficiency and natural resources conservation that emphasizes the role of ict information and communications technology in achieving system design and operation objectives the energy impact design of more efficient it infrastructures is a key

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challenge in realizing new computing paradigms the book explores the uses of computational intelligence ci techniques for intelligent decision support that can be exploited to create effectual computing systems and addresses sustainability problems in computing and information processing environments and technologies at the different levels of ci paradigms an excellent guide to surveying the state of the art in computational intelligence applied to challenging real world problems in sustainable computing it is intended for scientists practitioners researchers and academicians dealing with the new challenges and advances in area

## **Basic Electrical and Electronics Engineering: For RGPV**

2011

emerging applications of nanoparticles and architecture nanostructures current prospects and future trends discusses the most important current applications of nanoparticles and architecture nanostructures in a comprehensive detailed manner the book covers major applications of nanoparticles and architecture nanostructures taking into account their unusual shapes and high surface areas in particular coverage is given to applications in aerospace automotive batteries sensors smart textile design energy conversion color imaging printing computer chips medical implants pharmacy cosmetics

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and more in addition the book discusses the future of research in these areas this is a valuable reference for both materials scientists chemical and mechanical engineers working both in r d and academia who want to learn more on how nanoparticles and nanomaterials are commercially applied provides an in depth look at the properties of nanoparticles and architecture nanostructures in terms of their applicability for industrial uses analyzes the most recent advances and industrial applications of different types of nanoparticles and architecture nanostructures taking into account their unusual structures and compositions identifies novel nanometric particles and architectures that are of particular value for applications and the techniques required to use them effectively

## **Engineering Mathematics-I (For Wbut)**

2010-09

for mechnaical engginering students of indian universities it is also available in 4 individual parts

## **Fundamentals of Electrical and Electronics Engineering | AICTE Prescribed Textbook - English**

2021-11-01

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engineering education has emerged as a fast developing discipline in itself with universities across the world opening up exclusive departments of engineering education which is also impacting the socio economic system in india most of the engineering institutions in india are part of the hub and spoke university education system unique to india scientifically developing the outcome based curriculum obc uniformly across india has been a daunting task due to the dearth of an authentic book on obc addressing the need of the indian engineering education system this being the first book of its kind in india and with obc serving as the constitution of outcome based education obe it will go a long way to address this need the unique feature of this book is that it is replete with examples to explain the various concepts of planning designing and implementing the obc in engineering institutions different aspects of outcome based teaching learning obtl and outcome based assessment oba are also discussed vividly apart from the examples weaved into the lucidly written seven chapters additional examples and important formats are provided in the annexures another unique feature of this book every engineering ug pg or diploma teacher would be happy to possess a personal copy of this book for 24x7 access which will help to clear their doubts as it arises then and there target audience technical instruction technical teacher trainers curriculum specialists instructional designers education policy makers what the reviewers say the technical education has to adopt outcome based

curriculum and there was a dire need of authentic literature which would serve as a base document for scientifically developing obc the book reflects the expertise of both the authors who have more than 30 years of experience in industry and academics in designing and implementing different variants of obc for various technical education programmes such a book will serve as a reference for future generations to avoid re inventing the wheel again and again dr m p poonia vice chairman aicte national institute of technical teacher training and research nitttr bhopal has been spearheading different forms of obc for the last five decades in which the authors have contributed substantially care has been taken such that this book will not only benefit the indian engineering education system but also the engineering teaching fraternity at the international context dr c thangaraj director nitttr bhopal

## **Basic Electrical Engineering**

2012

the book is designed to cover the study of electro mechanical energy converters in all relevant aspects and also to acquaint oneself of a single treatment for all types of machines for modelling and analysis the book starts with the general concepts of energy conversion and basic circuit elements followed by a review of the mathematical tools the discussion goes on to introduce the concepts of energy storage in

magnetic field electrical circuits used in rotary electro mechanical devices and three phase systems with their transformation the book further makes the reader familiar with the modern aspects of analysis of machines like transient and dynamic operation of machines asymmetrical and unbalanced operation of poly phase induction machines and finally gives a brief exposure to space phasor concepts

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

2010-02

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2001-01



considerations and signal generating system the manuscript ponders on the complex resistivity method and interpretation of induced polarization data including grade estimation of mineralization using the ip method complex resistivity survey signal detection capabilities of the complex resistivity method and disadvantages of the complex resistivity method the text is a valuable source of information for researchers wanting to study induced polarization

## **Applications and Techniques for Experimental Stress Analysis**

2019-12-27

investment in both facilities and know how is essential for growth economists try to understand the forces that determine investment but investment behaviour is unruly often the term animal spirits is used to explain the resulting volatility this volume presents studies to explain international investment behaviour and assess its impact on growth and jobs the authors also examine policy measures to reverse the climate of low investment that has characterised recent decades the contributors examine how well standard models of investment work the role of finance constraints the effect of risk and uncertainty the impact of alternative forms of corporate governance the forces shaping the adoption of new technology the impact of foreign direct investment the effect of investment on the nairu and the causal structure of investment and growth



editors introductions to the different sections of the book provide comprehensive overviews of the main theories of investment the impact of investment on growth and employment and examine the main questions raised for policy makers

## **Intelligent Decision Support Systems for Sustainable Computing**

2017-03-14

this book focuses on various challenges solutions and emerging technologies in the operation control design optimization and protection of microgrids in the presence of hybrid renewable energy sources and electric vehicles this book provides an insight into the potential applications and recent development of different types of renewable energy systems including ac dc microgrids res integration issues with the grid electric vehicle technology etc the book serves as an interdisciplinary platform for the audience working in the focused area to access information related to energy management modeling and control it covers fundamental knowledge design mathematical modeling applications and practical issues with sufficient design problems and case studies with detailed planning aspects this book will serve as a guide for researchers academicians practicing engineers professionals and scientists as well as for

graduate and postgraduate students working in the area of various applications of res electric vehicles and ac dc microgrid

## **Emerging Applications of Nanoparticles and Architectural Nanostructures**

2018-03-22

includes the institute s proceedings

## ***A Textbook of Electrical Technology***

2014-07

includes the institute s proceedings

## ***OUTCOME-BASED CURRICULUM IN ENGINEERING EDUCATION***

2021-11-02

electrochemical micromachining for nanofabrication mems and nanotechnology is the first book solely dedicated to electrochemical micromachining emm it begins with fundamentals techniques processes and conditions continuing with in depth discussions of

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mechanisms of material removal including an empirical model on the material removal rate for emm supported by experimental validation the book moves next to construction related features of emm setup suitable for industrial micromachining applications varying types of emm and the latest developments in the improvement of emm setup further it covers power supply roll of electrolyte and other major factors influencing emm processes and reports research findings concerning the improvement of machining accuracy and efficiency finally the book devotes a chapter to the design and development of micro tools one of the most vital components in emm covers the generation of micro features used for advanced engineering of materials for fabrication of mems microsystems and other micro engineering applications explores the trend of decreasing size of fabricated devices reflected in coverage of generation of high precision nano features on metal and semiconductors utilizing spm stm and afm and nanotechnology aspects of emm describes nanofabrication utilizing anodic dissolutions for mass manufacturing by overcoming obstacles utilizing electrochemical microsystem technology emst and electrochemical nanotechnology ent

## **ELECTRICAL MACHINES : MODELLING AND ANALYSIS**

2016-05-12

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2018-06-01

10 10 n ie w 0 1 0 m z side view plan view 0 01 li III IIII  
I III II I lj 0 01 1 100 10 100 fr fig 1 the behavior of the  
magnetic and electric fields from a vertical magnetic  
dipole source at the surface of the earth after wait  
1951 1955 earth the experimental curve so plotted  
should have the same shape as a portion of the ap  
propriate theoretical curve but with the ordinates and  
abscissas shifted by an amount dependent on the  
resistivity the conductivity can be determined from the  
amount of shift between the field data and the  
theoretical curve a detailed description of the curve  
matching procedure is found in a text by keller and  
frischknecht 1966 the curve matching procedure  
though used has several disadvantages measurements  
must be made over a diagnostic portion of the  
theoretical curve one in which there is some curvature  
so that the amount of shift required to make a match  
can be determined uniquely this means that the  
approximate conductivity of the earth must be known  
when measurements are made secondly determination  
of a single value of conductivity requires  
measurements made over a wide range of frequencies  
this would appear to be wasteful of data inasmuch as  
the equations indicate that a single measurement at a  
single frequency should be enough to de termine

conductivity

## **Library Accessions List**

1985

### **CMOSVLSI**□□□□□

1999-04-15

## **Principles of Induced Polarization for Geophysical Exploration**

2012-12-02

## ***Engineering and Technical Education in India***

2003

## ***Investment, Growth and***

## ***Employment***

2005-08-10

## ***Reporter***

1986

## **Planning of Hybrid Renewable Energy Systems, Electric Vehicles and Microgrid**

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## **Journal**

1960

## **Transactions**

1960

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**The Journal of the Iron and Steel Institute**

1960-12

***Electrochemical Micromachining for Nanofabrication, MEMS and Nanotechnology***

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**Commercial Fisheries Abstracts**

1955

**Commercial Fisheries Abstracts**

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2004-03

# ***Indian Books in Print***

2003

## ***Electromagnetic Depth Soundings***

2012-12-06



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