Ge2155 Computer Practice Lab 2 Manual

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Introduction to Nanotechnology - Charles P. Poole, Jr. 2003-05-30
This self-confessed introduction provides technical administrators and managers with a broad, practical overview of the subject and gives researchers working in different areas an appreciation of developments in nanotechnology outside their own fields of expertise.
Wastewater Treatment - D. G. Rao 2012-07-05
Due to the heterogeneous nature of water streams from diverse domestic and industrial sources, and the equally diverse nature of pollutants that can be physical, chemical, and biological in nature, their treatment methods also must be varied in nature. Responding to this complex situation, Wastewater Treatment: Advanced Processes and Technologies p
The Next Generation of Video Surveillance and Video Analytics - Zhihao Chen 2014-11-03
The field of electronic surveillance has matured significantly over the past 2 decades, fuelled by the growth of safety and security concerns around the world. Surveillance cameras are being used for a wide variety of applications from national security to securing the home. Video analytics, also called intelligent video surveillance, is a technology that uses software to automatically identify specific objects, behaviours or attitudes in video footage. It transforms the video into data to be transmitted or archived so that the video surveillance system can act accordingly. It may involve activating a mobile camera in order to obtain more specific data about the scene or simply to send a warning to surveillance personnel so that a decision may be made on the proper intervention required. As video analytics has dramatically improved its effectiveness as a tool for providing real-time, actionable intelligence in security installations, it's getting serious attention for other uses as well. Its versatility provides excellent return on investment for a wide range of applications, including business intelligence, factory automation, loss prevention, public liability assessments, training, consumer behavior analysis, monitoring traffic flow, and more.
Disaster Management - J.P. Singhal 2010-01-01

ELECTROMAGNETISM - ASHUTOSH PRAMANIK 2008-03-11
The second edition of Electromagnetism: Theory and Applications has been updated to cover some additional aspects of theory and nearly all modern applications. The semi-historical approach is unchanged, but further historical comments have been introduced at various places in the book to give a better insight into the development of the subject as well as to make the study more interesting and palatable to the students. What is New to This Edition Vector transformations in different coordinate systems have been included in the chapter on Vector Analysis. The treatment forms the basis of vector potentials for three-dimensional problems. Chapter 13 on Vector Potentials has been significantly expanded for a clear understanding of the properties of vector potentials, in order to also solve three-dimensional EM problems numerically. A section dealing with the derivation and interpretation of Hertz Vector has been included in Chapter 13. A practical problem on induction heating of flat metal plates has been added to the chapter on

Magnetic Diffusion. The topics of wave guidance and radiation have been expanded with emphasis on practical aspects. Sections on analysis of cylindrical dielectric waveguide (e.g. of optical fibres) have been added to Chapters 18 and 22. New sections on basis and explanations of modal transmissions have been added. Characteristics and practical details of basic antenna structures and arrays have been treated in greater detail. Provides comprehensive treatment of FEM (Finite Element Method), covering both its variational basis and procedural details, to enable the readers to use this method without going into the heavy mathematics underlying the method. Describes FDM (Finite Difference Method) in more detail with its convergence requirement. Introduces modern numerical methods like FDTD (Finite Difference Time Domain) and method of moments (MOM). A new chapter on Modern Topics and Applications covers both high frequency and low frequency applications. Appendices contain in-depth analysis of self-inductance and non-conservative fields (Appendix 6), proof regarding the boundary conditions (Appendix 8), theory of bicylindrical coordinate system to provide the physical basis of the circuit approach to the cylindrical transmission line systems (Appendix 10), and properties of useful functions like Bessel and Legendre functions (Appendix 9). The book is designed to serve as a core text for students of electrical engineering. Besides, it will be useful to postgraduate physics students as well as research engineers and design and development engineers in industries.

Digital Instrumentation - A. J. Bouwens 1984

Developing Communication Skills - Krishna Mohan 2000-01-01

A comprehensive text based on the results of a scientific analysis of the communication needs of professionals.

ELECTRONIC DEVICES AND CIRCUITS - I. J. NAGRATH 2007-09-13

Designed specifically for undergraduate students of Electronics and Electrical Engineering and its related disciplines, this book offers an excellent coverage of all essential topics and provides a solid foundation for analysing electronic circuits. It covers the course named Electronic Devices and Circuits of various universities. The book will also be useful to diploma students, AMIE students, and those pursuing courses in B.Sc. (Electronics) and M.Sc. (Physics). The students are thoroughly introduced to the full spectrum of fundamental topics beginning with the theory of semiconductors and p-n junction behaviour. The devices treated include diodes, transistors—BJTs, JFETs and MOSFETs—and thyristors. The circuitry covered comprises small signal (ac), power amplifiers, oscillators, and operational amplifiers including many important applications of those versatile devices. A separate chapter on IC fabrication technology is provided to give an idea of the technologies being used in this area. There are a variety of solved examples and applications for conceptual understanding. Problems at the end of each chapter are provided to test, reinforce and enhance learning.

Fundamentals of Engineering Thermodynamics - E. Rathakrishnan 2004-10-01

Objective English - Edgar Thorpe 2014

Fluid Mechanics and Machinery : Laboratory Manual - A. B. Shinde

The Biodiversity of India - Erach Bharucha 2002

The CD-ROM and accompanying booklet provides a fascinating experience in biodiversity.

Environmental Encyclopedia - William P. Cunningham 1993

A TEXTBOOK OF ENGINEERING CHEMISTRY - SYAMALA SUNDAR DARA 2008

Any good text book,particularly that in the fast changing fields such as engineering & technology,is not only expected to cater to the current curricular requirments of various institutions but also should provied a glimplse towards the latest developments in the concerned subject and the relevant disciplines.It should guide the periodic review and updating of the curriculum.

Process Calculations - V. Venkataramani 2011

Data and Computer Communications - William Stallings 2000

Group Communication - Peter Hartley 1997
Introduces both the theories and practical applications of small group dynamics.
Kinematics and Dynamics of Machinery - Robert L. Norton 2009
This book covers the kinematics and dynamics of machinery topics. It emphasizes the synthesis and design aspects and the use of computer-aided engineering. A sincere attempt has been made to convey the art of the design process to students in order to prepare them to cope with real engineering problems in practice. This book provides up-to-date methods and techniques for analysis and synthesis that take full advantage of the graphics microcomputer by emphasizing design as well as analysis. In addition, it details a more complete, modern, and thorough treatment of cam design than existing texts in print on the subject. The author's website at www.designofmachinery.com has updates, the author's computer programs and the author's PowerPoint lectures exclusively for professors who adopt the book. Features Student-friendly computer programs written for the design and analysis of mechanisms and machines. Downloadable computer programs from website Unstructured, realistic design problems and solutions
Operating Systems - Charles Patrick Crowley 1996
Publisher Description
Advanced Bash Scripting Guide - Mendel Cooper

UNIX Network Programming - W. Richard Stevens 1990
The Unix model; Interprocess communication; A network primer; Communication protocols; Berkeley sockets; System V transport layer interface; Library routines; Security; Time and date routines; Ping routines; Trivial file transfer protocol; Line printer spoolers; Remote command execution; Remote login; Remote tape drive access; Performance; Remote procedure calls.
Electronic Devices and Integrated Circuits - B. P. Singh 2006-09

Environmental Studies - R. Rajagopalan 2011
Adopting a lucid approach, the book aims to develop an appreciation of the seriousness of the environmental crisis at the local and global levels. The text discusses the major environmental problems we face today: global warming, overexploitation of natural resources, degraded land, disappearing forests, endangered species, rising pollution, growing population, and dangerous toxins, among others. The book illustrates various problems, solutions, successes, and failures with numerous Indian and global examples. Written in a student-friendly manner, the text is enriched with a number of photographs and illustrations.
College Math MCQs: Multiple Choice Questions and Answers (Quiz & Tests with Answer Keys) - Arshad Iqbal 2016

UNIX and Shell Programming - Behrouz A. Forouzan 2003
Designed as one of the first true textbooks on how to use the UNIX operating system and suitable for a wide variety of UNIX-based courses, UNIX and Shell Programming goes beyond providing a reference of commands to offer a guide to basic commands and shell programming. Forouzan/Gilberg begin by introducing students to basic commands and tools of the powerful UNIX operating system. The authors then present simple scriptwriting concepts, and cover all material required for understanding shells (e.g., Regular Expressions, grep, sed, and awk) before introducing material on the Korn, C, and Bourne shells. Throughout, in-text learning aids encourage active learning and rich visuals support concept presentation. For example, sessions use color so students can easily distinguish user input from computer output. In addition, illustrative figures help student visualize what the command is doing. Each chapter concludes with problems, including lab sessions where students work on the computer and complete sessions step-by-step. This approach has proven to be successful when teaching this material in the classroom.
Applied Numerical Analysis - Matiur Rahman 2005
This text on recent developments in applied numerical analysis is designed for both students in mathematical and physical sciences and practicing scientists and engineers. Many practical problems are illustrated while an accompanying CD-ROM contains computer programs, answers to exercises and some

important tables.

Introduction to Environmental Engineering and Science - Gilbert M. Masters 2013

Appropriate for undergraduate engineering and science courses in Environmental Engineering. Balanced coverage of all the major categories of environmental pollution, with coverage of current topics such as climate change and ozone depletion, risk assessment, indoor air quality, source-reduction and recycling, and groundwater contamination.

Engineering Materials and Metallurgy - RK Rajput 2006

This treatise on Engineering Materials and Metallurgy contains comprehensive treatment of the matter in simple,lucid and direct language and envelopes a large number of figures which reinforce the text in the most efficient and effective way.The book comprise five chapters(excluding basic concepts)in all and fully and exhaustively covers the syllabus in the above mentioned subject of 4th.Semester Mechnical,Production,Automobile Engineering and 2nd semester Mechnical disciplines of Anna University.

Operating Systems - Ramez Elmasri 2010

Elmasri, Levine, and Carrick's "spiral approach" to teaching operating systems develops student understanding of various OS components early on and helps students approach the more difficult aspects of operating systems with confidence. While operating systems have changed dramatically over the years, most OS books use a linear approach that covers each individual OS component in depth, which is difficult for students to follow and requires instructors to constantly put materials in context. Elmasri, Levine, and Carrick do things differently by following an integrative or "spiral" approach to explaining operating systems. The spiral approach alleviates the need for an instructor to "jump ahead" when explaining processes by helping students "completely" understand a simple, working, functional system as a whole in the very beginning. This is more effective pedagogically, and it inspires students to continue exploring more advanced concepts with confidence.

Chemical Process Principles Charts - Olaf Andreas Hougen 1964

Principles of Electronics - Colin David Simpson 1996

One of the most comprehensive, clearly written books on electronic technology, Simpon's invaluable guide offers a concise and practical overview of the basic principles, theorems, circuit behavior and problem-solving procedures of this intriguing and fast-paced science. Examines a broad spectrum of topics, such as atomic structure, Kirchhoff's laws, energy, power, introductory circuit analysis techniques, Thevenin's theorem, the maximum power transfer theorem, electric circuit analysis, magnetism, resonance semiconductor diodes, electron current flow, and much more. Smoothly integrates the flow of material in a nonmathematical format without sacrificing depth of coverage or accuracy to help readers grasp more complex concepts and gain a more thorough understanding of the principles of electronics. Includes many practical applications, problems and examples emphasizing troubleshooting, design, and safety to provide a solid foundation in the field of electronics. An ideal reference source for electronic engineering technicians and those involved in the electronic technology field.

Telephoning in English Audio Cassette Set (2 Cassettes) - B. Jean Naterop 1997-05-08

Telephoning in English is for professionals or trainee professionals in business, commerce and administration who need to make and answer phone calls. It is suitable for learners at the intermediate and upper-intermediate levels, and can be used in class or for self-study. The emphasis is on developing and consolidating practical telephone skills in a variety of interesting and relevant contexts. Activities range from message-taking and spelling practice to role play, providing learners with a comprehensive course in using the telephone in English. Second edition This has been fully revised and updated to take into account the most important recent developments in the world of telecommunications. It has also been redesigned at a larger format and in colour to make it easier to use for learners working on their own. The recorded material is available on an audio cassette set (2) or audio CD set (2).

Basic Civil Engineering (For First Year Engineering Degree Students Of Rajiv

Gandhi Technical & Guru Ghasi Das Universities) - S. Ramamrutham 2004-01-01

Listening Extra Book and Audio CD Pack - Miles Craven 2004-03-25
This book provides original and stimulating listening practice across a range of levels and topics. The activities are designed around authentic scenarios and help students develop specific listening skills, such as listening for details, identifying emotions or listening for opinions. The book is suitable for A2-B2 level students and is an ideal supplement in mixed ability as well as mixed level classes. Spiral binding maximises the longevity of the book and accompanying Audio CDs include recordings for all listening tasks from the book. The recordings expose students to a variety of native and non-native accents and cover a range of genres from radio and television to academic lectures, presentations and conversational dialogues.
Fundamentals of Communication Systems - John G. Proakis 2014
For one- or two-semester, senior-level undergraduate courses in Communication Systems for Electrical and Computer Engineering majors. This text introduces the basic techniques used in modern communication systems and provides fundamental tools and methodologies used in the analysis and design of these systems. The authors emphasize digital communication systems, including new generations of wireless communication systems, satellite communications, and data transmission networks. A background in calculus, linear algebra, basic electronic circuits, linear system theory, and probability and random variables is assumed.
Geodesy - P. Vanícek 2015-06-03
Geodesy: The Concepts, Second Edition focuses on the processes, approaches, and methodologies employed in geodesy, including gravity field and motions of the earth and geodetic methodology. The book first underscores the history of geodesy, mathematics and geodesy, and geodesy and other disciplines. Discussions focus on algebra, geometry, statistics, symbolic relation between geodesy and other sciences, applications of geodesy, and the historical beginnings of geodesy. The text then ponders on the structure of geodesy, as well as functions of geodesy and geodetic theory and practice. The publication examines the motions, gravity field, deformations in time, and size and shape of earth. Topics include tidal phenomena, tectonic deformations, actual shape of the earth, gravity anomaly and potential, and observed polar motion and spin velocity variations. The elements of geodetic methodology, classes of mathematical models, and formulation and solving of problems are also mentioned. The text is a dependable source of data for readers interested in the concepts involved in geodesy.
Modern Engineering Mathematics - Glyn James 2011-09-21
This book provides a complete course for first-year engineering mathematics. Whichever field of engineering you are studying, you will be most likely to require knowledge of the mathematics presented in this textbook. Taking a thorough approach, the authors put the concepts into an engineering context, so you can understand the relevance of mathematical techniques presented and gain a fuller appreciation of how to draw upon them throughout your studies.
Schaum's Outline of Theory and Problems of Electric Circuits - Joseph A. Edminister 1995
Textbook for a first course in circuit analysis
Industrial Robotics - Mikell P. Groover 1986

Engineering Mechanics (For Anna) - S. Rajasekaran & G. Sankarasubramanian
Mechanics is the fundamental branch of physics whose two offshoots, static and dynamics, find varied application in thermodynamics, electricity and electromagnetism. Engineering Mechanics is a simple yet insightful textbook on the concepts and principles of mechanics in the field of engineering. Written in a comprehensive manner, Engineering Mechanics greatly elaborates on the tricky aspects of the motion of particle and its cause, forces and vectors, lifting machines and pulleys, inertia and projectiles, juxtaposition them with relevant, neat illustrations, which make the science of engineering mechanics an interesting study for aspiring engineers. The authors have packaged the book, Engineering Mechanics, with a huge number of theoretical questions, numerical problems and a highly informative objective-type

question bank. The book aspires to cater to the learning needs of BE/BTech students and also those preparing for competitive exams.