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Engineering Mechanics Tata McGraw-Hill Education

Effective from 2008-09 session, U.P.T.U. has introduced the subject of manufacturing processes for first year engineering students of all streams. This textbook covers the entire course material in a distilled form.

File System Forensic Analysis Longman

Theory of Elasticity and Plasticity is designed as a textbook for both undergraduate and postgraduate students of engineering in civil, mechanical and aeronautical disciplines. This book has been written with the objective of bringing the concepts of elasticity and plasticity to the students in a simplified and comprehensive manner. The basic concepts, definitions, theory as well as practical applications are discussed in a clear, logical and concise manner for better understanding. Starting with, general relationships between stress, strain and deformations, the book deals with specific problems on plane stress, plane strain and torsion in non-circular sections. Advanced topics such as membrane analogy, beams on elastic foundations and plastic analysis of pressure vessels are also discussed elaborately. For better comprehension, the text is well supported with: ? Large number of worked-out examples in each chapter. ? Well-labelled illustrations. ? Numerous Review Questions that reinforce the understanding of the subject. As all the concepts are covered extensively with a blend of theory and practice, this book will be a useful resource to the students.

Information Storage and Management CRC Press

In our endeavor to reinforce and emphasize the benefits of modern industrial design course to many students across India we are bringing on a small edition of this book titled " Concepts in Engineering Design ". The subtlety of creation with problem solving approach is needed to be deeply ingrained into the vast diaspora of Indian students; especially with emphasis of government on make in India , start up India and zero effect zero defect projects. It is abundantly clear that classroom teaching has to be up scaled with practical approach and industrial reasoning. So the takeaway from this course to students, researchers and professional after the course should be engineering with a systems approach, involvement of design development as a team, integration of several streams of learning like environmental, physiology etc. into the Concept of Engineering Design. We wish we are in some manner involved in changing their outlook from classic learning to professional learning involving them into project based activity, case studies ,resourceful learning etc. They become agents of change for future generations and they grasp the fact that they can become professional designers and not merely subservient engineers. Good luck. " The primary objective of the course is to introduce concepts in engineering design to students from all the engineering disciplines. This course broadly covers the prerequisites for an innovative design followed by concepts of products design cycle right from planning, designing, manufacturing, distributing and its usage. " -RGPV

Advances in Pharmaceutical Biotechnology Routledge

Population, exuberant growth of urbanization, decline of cultivable lands, growing number of vehicle on the roads, deforestation, industrialization, changing pattern of consumption and exploitation of natural resources by human activities have all threatened our basic survival on earth. In order to protect our globe from the environmental degradation, it is necessary to know the various factors by all human being. This book is written to provide a clear and authoritative introduction to the subject of Energy, Environment, Ecology and Society. Salient Features Presentation of the material in lucid manner Distinctive coverage on all Energy Resources Presentation of suitable illustrations with clear diagrams Review questions are given in each chapter

Storing, Managing, and Protecting Digital Information in Classic, Virtualized, and Cloud Environments John Wiley & Sons

TCP/IP Illustrated, Volume 1, Second Edition, is a detailed and visual guide to today's TCP/IP protocol suite. Fully updated for the newest innovations, it demonstrates each protocol in action through realistic examples from modern Linux, Windows, and Mac OS environments. There's no better way to discover why TCP/IP works as it does, how it reacts to common conditions, and how to apply it in your own applications and networks. Building on the late W. Richard Stevens' classic first edition, author Kevin R. Fall adds his cutting-edge experience as a leader in TCP/IP protocol research, updating the book to fully reflect the latest protocols and best practices.

Basic Civil Engineering and Engineering Mechanics (RGPV, Bhopal) Web Data Mining and the Development of Knowledge-Based Decision Support Systems

Web Data Mining and the Development of Knowledge-Based Decision Support Systems IGI Global
Signals & Systems Prentice Hall

This book introduces a modern approach to embedded system design, presenting software design and hardware design in a unified manner. It covers trends and challenges, introduces the design and use of single-purpose processors ("hardware") and general-purpose processors ("software"), describes memories and buses, illustrates hardware/software tradeoffs using a digital camera example, and discusses advanced computation models, controls systems, chip technologies, and modern design tools. For courses found in EE, CS and other engineering departments.

Computer Networks "O'Reilly Media, Inc."

Chemical Engineering III includes the proceedings of the 3rd SREE Conference on Chemical Engineering (CCE 2013, Hong Kong, 28-29 December 2013) and the 2nd SREE Workshop on Energy, Environment and Engineering (WEEE 2013, which was a part of CCE 2013). The contributions discuss current practical challenges and solutions in Chemical Engineering, and
Recent Progress and Future Applications Springer Nature

For the Students of B.E. / B.Tech., M.E. / M.Tech. & BCA / MCA It is indeed a matter of great encouragement to write the Third Edition of this book on 'Operating Systems - A Practical Approach' which covers the syllabi of B.Tech./B.E. (CSE/IT), M.Tech./M.E. (CSE/IT), BCA/MCA of many universities of India like Delhi University, GGSIPU Delhi, UPTU Lucknow, WBUT, RGPV, MDU, etc.
A Unified Hardware/Software Introduction IGI Global

Machine learning has become an integral part of many commercial applications and research projects, but this field is not exclusive to large companies with extensive research teams. If you use Python, even as a beginner, this book will teach you practical ways to build your own machine learning solutions. With all the data available today, machine learning applications are limited only by your imagination. You'll learn the steps necessary to create a successful machine-learning application with Python and the scikit-learn library. Authors Andreas Müller and Sarah Guido focus on the practical aspects of using machine learning algorithms, rather than the math behind them. Familiarity with the NumPy and matplotlib libraries will help you get even more from this book. With this book, you'll learn: Fundamental concepts and applications of machine learning Advantages and shortcomings of widely used machine learning algorithms How to represent data processed by machine learning, including which data aspects to focus on Advanced methods for model evaluation and parameter tuning The concept of pipelines for chaining models and encapsulating your workflow Methods for working with text data, including text-specific processing techniques Suggestions for improving your machine learning and data science skills

TCP/IP Illustrated CRC Press

This book explains both the basic science and the applications of biotechnology-derived pharmaceuticals, with special emphasis on their clinical uses. The foundations of pharmaceutical biotechnology lie mainly in the capability of plants, microorganism, and animals to produce low and high molecular weight compounds useful as therapeutics. Pharmaceutical biotechnology has flourished since the advent of recombinant DNA technology and metabolic engineering, supported by the well-developed bioprocess technology. A large number of monoclonal antibodies and therapeutic proteins have been approved, delivering meaningful contributions to patients' lives, and the techniques of biotechnology are also a driving force in modern drug discovery. Due to this rapid growth in the importance of biopharmaceuticals and the techniques of biotechnologies to modern medicine and the life sciences, the field of pharmaceutical biotechnology has become an increasingly important component in the education of pharmacists and pharmaceutical scientists. This book will serve as a complete one-stop source on the subject for undergraduate and graduate pharmacists, pharmaceutical science students, and pharmaceutical scientists in industry and academia.

Web Data Mining and the Development of Knowledge-Based Decision Support Systems Pearson Educación

If you really want to understand how the Internet and other computer networks operate, start with Computer Networks and Internets, Third Edition. Douglas E. Comer, who helped build the Internet, presents an up-to-the-minute tour of the Internet and internetworking, from low-level data transmission wiring all the way up to Web services and Internet application software. The new edition contains extensive coverage of network programming, plus

authoritative introductions to many new Internet protocols and technologies, from CIDR addressing to Network Address Translation (NAT). Comer explains every networking layer, showing how facilities and services provided by one layer are used and extended in the next. Discover how networking hardware utilizes carrier signals, modulation and encoding; why internets use packet switching; how LANs, local loops, WANs, public and private networks work; and how protocols like TCP support internetworking. Understand the client/server model at the heart of most network applications, and master key Internet technologies such as CGI, DNS, E-mail, ADSL, and cable modems. This new edition includes a complete new chapter on static and automatic Internet routing, introducing key concepts such as Autonomous Systems and hop metrics; as well as detailed coverage of label switching and virtual circuits.

Search in Artificial Intelligence Booksclinic Publishing

This book presents recent technologies that explore artificial intelligence (AI) and its scope in Internet of Things (IoT) enabled areas for productivity and the betterment of society. The book aims at targeting audiences of several disciplines to share research, suggest solutions, and future trends in the field of AI using IoT. Rather than looking at the field from only a theoretical or only a practical perspective, this book unifies both aspects to give a holistic understanding of the AI paradigm for IoT. The book focuses on timely topics related to the field of AI enabled IoT applications at large. The book consists of four major parts: fundamentals, theoretical discussion, critical applications, and the learning algorithms. These contents shall include the basics, types, tools, and techniques of AI. Finally, applications of AI enabled IoT in several areas are presented including health, security, climate change, agricultural engineering, bioinformatics, biomedicine, smart applications, natural language processing, social and economic implications of AI enabled IoT, as well as robotics, sustainability, risk management, seismic data processing, smart grid management, text analysis, security, privacy, and ethics.

A Step-by-Step Guide for Beginners Allied Publishers

The goal of machine learning is to program computers to use example data or past experience to solve a given problem. Many successful applications of machine learning exist already, including systems that analyze past sales data to predict customer behavior, optimize robot behavior so that a task can be completed using minimum resources, and extract knowledge from bioinformatics data. Introduction to Machine Learning is a comprehensive textbook on the subject, covering a broad array of topics not usually included in introductory machine learning texts. Subjects include supervised learning; Bayesian decision theory; parametric, semi-parametric, and nonparametric methods; multivariate analysis; hidden Markov models; reinforcement learning; kernel machines; graphical models; Bayesian estimation; and statistical testing. Machine learning is rapidly becoming a skill that computer science students must master before graduation. The third edition of Introduction to Machine Learning reflects this shift, with added support for beginners, including selected solutions for exercises and additional example data sets (with code available online). Other substantial changes include discussions of outlier detection; ranking algorithms for perceptrons and support vector machines; matrix decomposition and spectral methods; distance estimation; new kernel algorithms; deep learning in multilayered perceptrons; and the nonparametric approach to Bayesian methods. All learning algorithms are explained so that students can easily move from the equations in the book to a computer program. The book can be used by both advanced undergraduates and graduate students. It will also be of interest to professionals who are concerned with the application of machine learning methods.

Manufacturing Process PHI Learning Pvt. Ltd.

Informative as well as tutorial, this book explores the design of advanced multimedia systems in depth--the characteristics of multimedia systems, the design challenges, the emerging technologies that support advanced multimedia systems, design methodologies, and implementation techniques for converting the design to produce efficient, flexible, and extensive applications.

Visions, Concepts, Methods and Tools Festschrift in Honor of Professor Holger Luczak Springer Science & Business Media

This edited volume comprises the proceedings of ICACE-2015. In the recent past Chemical Engineering as a discipline has been diversifying into several frontier areas and this volume addresses the advances in core Chemical Engineering as well as allied fields. The contents of this volume focus on energy and environmental applications of chemical engineering research and on materials science aspects of chemical engineering. This book will be useful to researchers, students, and professionals, particularly those working on interdisciplinary applications of Chemical Engineering problems.

Introduction to Machine Learning with Python John Wiley & Sons

Covering the key theories, tools, and techniques of this dynamic field, Handbook of Nanophysics: Principles and Methods elucidates the general theoretical principles and measurements of nanoscale systems. Each peer-reviewed chapter contains a broad-based introduction and enhances understanding of the state-of-the-art scientific content through fundamental equations and illustrations, some in color. This volume explores the theories involved in nanoscience. It also discusses the properties of nanomaterials and nanosystems, including superconductivity, thermodynamics, nanomechanics, and nanomagnetism. In addition, leading experts describe basic processes and methods, such as atomic

force microscopy, STM-based techniques, photopolymerization, photoisomerization, soft x-ray holography, and molecular imaging. Nanophysics brings together multiple disciplines to determine the structural, electronic, optical, and thermal behavior of nanomaterials; electrical and thermal conductivity; the forces between nanoscale objects; and the transition between classical and quantum behavior. Facilitating communication across many disciplines, this landmark publication encourages scientists with disparate interests to collaborate on interdisciplinary projects and incorporate the theory and methodology of other areas into their work.

Principles and Methods John Wiley & Sons

Websites are a central part of today's business world; however, with the vast amount of information that constantly changes and the frequency of required updates, this can come at a high cost to modern businesses. Web Data Mining and the Development of Knowledge-Based Decision Support Systems is a key reference source on decision support systems in view of end user accessibility and identifies methods for extraction and analysis of useful information from web documents. Featuring extensive coverage across a range of relevant perspectives and topics, such as semantic web, machine learning, and expert systems, this book is ideally designed for web developers, internet users, online application developers, researchers, and faculty.

Construction Technology IGI Global

Optimization techniques have developed into a modern-day solution for real-world problems in various industries. As a way to improve performance and handle issues of uncertainty, optimization research becomes a topic of special interest across disciplines. Problem Solving and Uncertainty Modeling through Optimization and Soft Computing Applications presents the latest research trends and developments in the area of applied optimization methodologies and soft computing techniques for solving complex problems. Taking a multi-disciplinary approach, this critical publication is an essential reference source for engineers, managers, researchers, and post-graduate students.

With Internet Applications CRC Press

There are four volumes of this book (NANOMATERIAL VOLUME 1,2,3,4). these four volumes cover whole syllabus of M.Tech Nanotechnology , RGPV AND other universities. The main aim of this series is to provide all material of PG STUDENTS AT ONE PLACE