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Energy, Environment, Ecology and Society
CONTROL ENGINEERING
Basic Mechanical Engineering (Be 204)
Designing and Managing the Supply Chain
3e with Student CD
MECHANISM AND MACHINE THEORY
Process Planning and Cost Estimation
Mechanical Vibrations
Management and Entrepreneurship
Basic Computer Engineering
Precise
An Integrated Approach to Software Engineering
Electromagnetic Field Theory and Transmission Lines
Remote Sensing and GIS
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Management
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TOTAL QUALITY MANAGEMENT
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MANUFACTURING PROCESSES
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PRINCIPLES OF FIRE SAFETY ENGINEERING
Introduction to Database Management Systems:
Machine Learning
Introduction to Basic Manufacturing Process and Workshop Technology
Advanced Machining Processes
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Basic Electrical And Electronics Engineering
ENERGY ENGINEERING AND MANAGEMENT
Basics of Mechanical Engineering
The Data Science Handbook
Theory of Mechanisms and Machines
Basic Civil Engineering and Engineering Mechanics (RGPV, Bhopal)

Energy, Environment, Ecology and Society

Manufacturing And Workshop Practices Have Become Important In The Industrial Environment To Produce Products For The Service Of Mankind. The Basic Need Is To Provide Theoretical And Practical Knowledge Of Manufacturing Processes And Workshop Technology To All The Engineering Students. This Book Covers Most Of The Syllabus Of Manufacturing Processes/Technology, Workshop Technology And Workshop Practices For Engineering (Diploma And Degree) Classes Prescribed By Different Universities And State Technical Boards. Some Comparisons Have Been Given In Tabular Form And The Stress Has Been Given On Figures For Better Understanding Of Tools, Equipments, Machines And Manufacturing Setups Used In Various Manufacturing Shops. At The End Of Each Chapter, A Number Of Questions Have Been Provided For Testing The Student S Understanding About The Concept Of The Subject. The Whole Text Has Been Organized In 26 Chapters. The First Chapter Presents The Brief Introduction Of The Subject With Modern Concepts Of Manufacturing Technology Needed For The Competitive Industrial Environment. Chapter 2 Provides The Necessary Details Of Plant And Shop Layouts. General Industrial Safety Measures To Be Followed In Various Manufacturing Shops Are Described In Detail In Chapter 3. Chapters 4 8 Provide Necessary Details Regarding Fundamentals Of Ferrous Materials, Non-Ferrous Materials, Melting Furnaces, Properties And Testing Of Engineering Materials And Heat Treatment Of Metals And Alloys. Chapters 9 13 Describe Various Tools, Equipments And Processes Used In Various Shops Such As Carpentry, Pattern Making, Mold And Core Making, Foundry Shop. Special Casting Methods And Casting Defects Are Also Explained At Length. Chapters 14 16 Provide Basic Knowledge Of Mechanical Working Of Metals. Fundamental Concepts Related To Forging Work And Other Mechanical

Working Processes (Hot And Cold Working) Have Been Discussed At Length With Neat Sketches. Chapter 17 Provides Necessary Details Of Various Welding And Allied Joining Processes Such As Gas Welding, Arc Welding, Resistance Welding, Solid-State Welding, Thermochemical Welding, Brazing And Soldering. Chapters 18 19 Describe Sheet Metal And Fitting Work In Detail. Various Kinds Of Hand Tools And Equipments Used In Sheet Metal And Fitting Shops Have Been Described Using Neat Sketches. Chapters 20 24 Provide Construction And Operational Details Of Various Machine Tools Namely Lathe, Drilling Machine, Shaper, Planer, Slotter, And Milling Machine With The Help Of Neat Diagrams. Chapter 25 Deals With Technique Of Manufacturing Of Products With Powder Metallurgy. The Last Chapter Of The Book Discusses The Basic Concepts Of Quality Control And Inspection Techniques Used In Manufacturing Industries. The Book Would Serve Only As A Text Book For The Students Of Engineering Curriculum But Would Also Provide Reference Material To Engineers Working In Manufacturing Industries.

CONTROL ENGINEERING

The textbook is designed for B.Tech students of Electrical/Mechanical/Industrial Engineering and M.Tech students of Power System/Energy Engineering/Energy Management. It will also be useful for MBA courses on Energy Management conducted by some universities through distance education mode. The book, now in its Second Edition, offers an exhaustive discussion of the energy analysis methodologies and tools to optimize the utilization of energy and how to enhance efficiency during conversion of energy from one form to another. It illustrates the energy analysis methods used in factories, transportation systems and buildings highlighting the various forms of use. It also discusses the thermodynamic principles of energy conversion and constitution of energy balance equation for such systems. The book examines the energy costs in our everyday life in terms of energy inputs in food cultivation. It also discusses similar energy costs of using fuels, other goods and services in our daily life

KEY FEATURES

- Includes numerous questions and answers on Energy Management
- Contains problems and solutions on Energy Management
- Provides MCQs for the preparation of certified energy auditor examination conducted by the Bureau of Energy Efficiency, GoI
- Includes Case Studies

NEW TO THE SECOND EDITION

- Includes new chapters on Electrical Systems, Transformers, Electric Motors, Pumps and Fans, Compressors, Water Heaters, Electrolytic Processes, and Energy Control Centre
- Incorporates latest topics in the existing chapters
- Provides critical case studies

Basic Mechanical Engineering (Be 204)

Designing and Managing the Supply Chain 3e with Student CD

MECHANISM AND MACHINE THEORY

Process Planning and Cost Estimation

Mechanical Vibrations

Providing accessible coverage of the basics and practical aspects of total quality management, this book is intended for students of management and engineering. The text adopts a realistic approach to the teaching of the subject with the principal focus on the philosophy of total quality management and its role in today's world of fierce business competition. Discusses the mechanism of quality control, quality assurance and different types of quality control tools and their usage. Features the Japanese management philosophy, quality awards and standards. Presents the differences between total quality management and business process re-engineering and approaches to integrate them. Describes the various aspects of benchmarking, capability maturity model and customer relationship management.

Management and Entrepreneurship

This book is intended to serve as a textbook for Engineering and Management courses. It seeks to develop an understanding of the concepts of management and entrepreneurship. The chapters are well planned to cover basic functions of management and entrepreneurship, small scale industry, institutional support and project preparation. SALIENT FEATURES: * Comprehensive and easy to understand, requires no previous knowledge of the subject. * Presented in a simple and systematic manner. * Review questions for the benefit of students.

Basic Computer Engineering Precise

This book meets the requirements of undergraduate and postgraduate students pursuing courses in mechanical, production, electrical, metallurgical and aeronautical engineering. This self-contained text strikes a fine balance between conceptual clarity and practice problems, and focuses both on conventional graphical methods and emerging analytical approach in the treatment of subject matter. In keeping with technological advancement, the text gives detailed discussion on relatively recent areas of research such as function generation, path generation and mechanism synthesis using coupler curve, and number synthesis of kinematic chains. The text is fortified with fairly large number of solved examples and practice problems to further enhance the understanding of the otherwise complex concepts. Besides engineering students,

those preparing for competitive examinations such as GATE and Indian Engineering Services (IES) will also find this book ideal for reference. KEY FEATURES □ Exhaustive treatment given to topics including gear drive and cam follower combination, analytical method of motion and conversion phenomenon. □ Simplified explanation of complex subject matter. □ Examples and exercises for clearer understanding of the concepts.

An Integrated Approach to Software Engineering

Electromagnetic Field Theory and Transmission Lines

Electromagnetic Field Theory and Transmission Lines is ideal for a single semester, first course on Electromagnetic Field Theory (EMFT) at the undergraduate level. This book uses diagrammatic representations and real life examples to explain the fu

Remote Sensing and GIS

D.C. CircuitsCircuits : Identifying the elements and the connected terminology, Kirchhoff's laws - Statement and illustration, Method of solving circuits by Kirchhoff's laws, Computation of resistance at constant temperature, Temperature dependence of resistance, Computation of resistance at different temperatures, Ohm's law - Statement, Illustration and limitation, Units - Work, Power and energy (electrical, thermal and mechanical)A.C. FundamentalsGeneration of alternating emf, Concept of 3-phase EMF generation, Root mean square or effective value, Average value of A.C., Phasor representation of alternating quantities, Analysis of A.C. circuit representation of alternating quantities in rectangular and polar forms, Introduction of resistors, Conductors and capacitors, R-L series circuits, R-C series circuits, R-L-C series circuits, Admittance and its components, Resonance in series and parallel, Analysis of simple 3-phase system, Star-delta connections and conversion.Magnetic Circuits and MachinesComparison between magnetic and electric circuits, Electromagnetic induction, Magnetic effects of electric current, Current carrying conductor in magnetic field, Law of electromagnetic induction, Self inductance, Mutual inductance, coupling coefficient between two magnetically coupled circuits.Transformer : Principle, construction, working, efficiency, application.D.C. Generator : Principle, construction, working, application. D.C. motor : Principle, construction, working, application.Three phase induction motor : Principle, construction, working, application.Measuring InstrumentsClassification of instruments, Basic principles of indicating instruments, Moving iron instruments - Attraction and repulsion type, Moving coil instruments - Permanent magnet - Dynamometer type, Induction type energy meter, Multimeters fundamentals of analog and digital multimeter.TransducersCapacitive transducer, Inductive transducers, Linear variable differential transformer (LVDT), Potentiometric transducer, Electrical strain gauges, Thermistor,

Thermocouple, Hall effect, Piezoelectric transducer, Photoelectric transducer. Semiconductor Devices Principle of operation; Characteristic and application of PN junction diode, Zener diode, Bipolar junction, Field effect transistor, Thyristor, Opto-electronics devices, Rectifiers. Integrated Circuits Linear ICs, Digital ICs, Linear ICs : PIN diagram and its description for IC741, IC555, IC78XX series (Regulator ICs), Digital ICs : 74XX series ICs. Digital Electronics Binary number system, Octal and hexadecimal, Logic Galleries, Introduction and truth tables, Flip flops and the truth tables; R-S, J-K, D and T.

Microsoft Access 2013: Illustrated Brief

Management

Refrigeration and Air Conditioning

Pharmaceutical Quality Assurance

Market_Desc: Primary Market· VTU: 06ME71 Control Engineering 7th Sem/ EC/TC/EE/IT/BM/ML 06ES43 4th Sem· JNTU: ECE/EEE Control Systems 4th Sem· Anna: ECE/EEE PTEC 9254/PTEE 9201 Control Systems 3rd Sem· UPTU (ME)EEE-409 Electrical Machines & Automatic Control 4th Sem/ ECE/ETE/EEE EEC503/EEE502 Control Systems 5th Sem· Mumbai: ETE Principles of Control System 5th Sem· BPUT ETE/EEE/ECE CPEE 5302 Control System Engineering 6th Sem· WBUT EE-503 Control System 5th Sem; EC-513 Control System 5th Sem· RGPV EC-402 Control Systems, 4th Sem· PTU ECE/EIE/EEE IC-204 Linear Control System 4th Sem· GNDU ECE ECT-223 Linear Control System 4th Sem Secondary Market· BPUT:CPME 6403 Mechanical Measurement and Control, 7th sem· RGPV: ME 8302 Mechatronics, 8th Sem elective· Anna: PTME9035 measurement and controls, 8th Sem· UPTU: TME-028 Automatic Controls, Elective 8th Sem· Mumbai: Mechatronics, 6th Sem· WBUT: ME 602 Mechatronics and Modern Control, 6th Sem Special Features: § The book provides clear exposure to the principles of control system design and analysis techniques using frequency and time domain analysis.§ Explains the important topics of PID controllers and tuning procedures.§ Includes state space methods for analysis of control system.§ Presents necessary mathematical topics such as Laplace transforms at relevant places.§ Contains detailed artwork capturing circuit diagrams, signal flow graphs, block diagrams and other important topics.§ Presents stability analysis using Bode plots, Nyquist diagrams and Root locus techniques.§ Each chapter contains a wide variety of solved problems with stepwise solutions.§ Appendices present the use of MATLAB programs for control system design and analysis, and basic operations of matrices.§ Model question papers contain questions from various university question papers at the end of the

book. § Excellent pedagogy includes 520+ Figures and tables 200+ Solved problems 90+ Objective questions 100+ Review questions 70+ Numerical problems About The Book: Control Engineering is the field in which control theory is applied to design systems to produce desirable outputs. It essays the role of an incubator of emerging technologies. It has very broad applications ranging from automobiles, aircrafts to home appliances, process plants, etc. This subject gains importance due to its multidisciplinary nature, and thus establishes itself as a core course among all engineering curricula. This textbook aims to develop knowledge and understanding of the principles of physical control system modeling, system design and analysis. Though the treatment of the subject is from a mechanical engineering point of view, this book covers the syllabus prescribed by various universities in India for aerospace, automobile, industrial, chemical, electrical and electronics engineering disciplines at undergraduate level.

Introduction to Machine Learning

Mastering Cloud Computing is designed for undergraduate students learning to develop cloud computing applications. Tomorrow's applications won't live on a single computer but will be deployed from and reside on a virtual server, accessible anywhere, any time. Tomorrow's application developers need to understand the requirements of building apps for these virtual systems, including concurrent programming, high-performance computing, and data-intensive systems. The book introduces the principles of distributed and parallel computing underlying cloud architectures and specifically focuses on virtualization, thread programming, task programming, and map-reduce programming. There are examples demonstrating all of these and more, with exercises and labs throughout. Explains how to make design choices and tradeoffs to consider when building applications to run in a virtual cloud environment Real-world case studies include scientific, business, and energy-efficiency considerations

Medicinal Chemistry - III

TOTAL QUALITY MANAGEMENT

This text serves as an introduction to the subject of vibration engineering at the undergraduate level. The style of the prior editions has been retained, with the theory, computational aspects, and applications of vibrations presented in as simple a manner as possible. As in the previous editions, computer techniques of analysis are emphasized. Expanded explanations of the fundamentals are given, emphasizing physical significance and interpretation that build upon previous experiences in undergraduate mechanics. Numerous examples and problems are used to illustrate principles and concepts. A number of pedagogical devices serve to motivate students' interest in the subject matter. Design is incorporated with more than 30

projects at the ends of various chapters. Biographical information about scientists and engineers who contributed to the development of the theory of vibrations given on the opening pages of chapters and appendices. A convenient format is used for all examples. Following the statement of each example, the known information, the qualities to be determined, and the approach to be used are first identified and then the detailed solution is given.

COMPUTER ORGANIZATION AND ARCHITECTURE

The Revised Edition Of A Widely Used Book Contains Several New Topics To Make The Coverage More Comprehensive And Contemporary. * Highlights The Ozone Hole Problem And Related Steps To Modify The Refrigeration Systems. * The Discussion Of Vapour Compression/Absorption Systems Totally Recast With A Special Emphasis On Eco-Refrigerants. * Application Oriented Approach Followed Throughout The Book And Energy Efficiency emphasized. * Several Real Life Problems Included To Illustrate The Practical Viability Of The Systems Discussed. * Additional Examples, Diagrams And Problems Included In Each Chapter For An Easier Grasp Of The Subject. With All These Features, This Book Would Serve As A Comprehensive Text For Undergraduate Mechanical Engineering Students. Postgraduate Students And Practising Engineers Would Also Find It Very Useful.

Automotive Mechanics, 2e

The textbook introduces the students to the science and technology of powder metallurgy including the treatment of ceramic powders and powders of some intermetallic compounds. With improved organization and enriched contents, the book explores a thorough coverage of various aspects of powder metallurgy involving raw materials, various methods of production of metallic powders and non-metallic powders, their characteristics, technological aspects of compacting and sintering, various applications of powder metallurgy technology using different techniques as well as most of the recent developments in powder metallurgy. With all the latest information incorporated and several key pedagogical attributes included, this textbook is an invaluable learning tool for the undergraduate students of metallurgical and materials engineering for a one semester course on powder metallurgy. It also caters to the students of mechanical engineering, automobile engineering, aerospace engineering, industrial and production engineering for their courses in manufacturing technology, processes and practices. HIGHLIGHTS OF SECOND EDITION • Sections exploring the grinding in mills, disintegration of liquid metals and alloys, some more methods for the production of iron powder by reduction of oxides, metallothermic reduction of oxides, etc. have been included. • Sections on mechanical comminution of solid materials, structural P/M parts, etc. have been modified highlighting an up to date version. • Several types of questions have been incorporated in the additional questions given at the end of book to guide the students from examination and practice point of view. AUDIENCE • For Undergraduate students of Metallurgical and Materials Engineering for a one semester course on

powder metallurgy. • Mechanical Engineering, Automobile Engineering, Aerospace Engineering, Industrial and Production Engineering for their courses in manufacturing technology, processes and practices.

MANUFACTURING PROCESSES

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

NETWORK THEORY

A comprehensive overview of data science covering the analytics, programming, and business skills necessary to master the discipline Finding a good data scientist has been likened to hunting for a unicorn: the required combination of technical skills is simply very hard to find in one person. In addition, good data science is not just rote application of trainable skill sets; it requires the ability to think flexibly about all these areas and understand the connections between them. This book provides a crash course in data science, combining all the necessary skills into a unified discipline. Unlike many analytics books, computer science and software engineering are given extensive coverage since they play such a central role in the daily work of a data scientist. The author also describes classic machine learning algorithms, from their mathematical foundations to real-world applications. Visualization tools are reviewed, and their central importance in data science is highlighted. Classical statistics is addressed to help readers think critically about the interpretation of data and its common pitfalls. The clear communication of technical results, which is perhaps the most undertrained of data science skills, is given its own chapter, and all topics are explained in the context of solving real-world data problems. The book also features: • Extensive sample code and tutorials using Python™ along with its technical libraries • Core technologies of “Big Data,” including their strengths and limitations and how they can be used to solve real-world problems • Coverage of the practical realities of the tools, keeping theory to a minimum; however, when theory is presented, it is done in an intuitive way to encourage critical thinking and creativity • A wide variety of case studies from industry • Practical advice on the realities of being a data scientist today, including the overall workflow, where time is spent, the types of datasets worked on, and the skill sets needed The Data Science Handbook is an ideal resource for data analysis methodology and big data software tools. The book is appropriate for people who want to practice data science, but lack the required skill sets. This includes

software professionals who need to better understand analytics and statisticians who need to understand software. Modern data science is a unified discipline, and it is presented as such. This book is also an appropriate reference for researchers and entry-level graduate students who need to learn real-world analytics and expand their skill set. FIELD CADY is the data scientist at the Allen Institute for Artificial Intelligence, where he develops tools that use machine learning to mine scientific literature. He has also worked at Google and several Big Data startups. He has a BS in physics and math from Stanford University, and an MS in computer science from Carnegie Mellon.

Utilisation of Electrical Power

Designing and Managing the Supply Chain, 3/e provides state-of-the-art models, concepts, and solution methods that are important for the design, control, operation, and management of supply chain systems. In particular, the authors attempt to convey the intuition behind many key supply chain concepts and to provide simple techniques that can be used to analyze various aspects of the supply chain. Topical coverage reflects the authors' desire to introduce students to those aspects of supply chain management that are critical to the success of a business. Although many essential supply chain management issues are interrelated, the authors strive to make each chapter as self-contained as possible, so that the reader can refer directly to chapters covering topics of interest. Each chapter utilizes numerous case studies and examples, and mathematical and technical sections can be skipped without loss of continuity. The 3rd edition represents a substantial revision. While the structure and philosophy were kept intact, the authors placed an increasing importance on finding or developing effective frameworks that illustrate many important supply chain issues. At the same time, motivated by new developments in industry, they added material on a variety of topics new to the book while increasing the coverage of others.

Mastering Cloud Computing

Introduction to Database Management Systems is designed specifically for a single semester, namely, the first course on Database Systems. The book covers all the essential aspects of database systems, and also covers the areas of RDBMS. The book in

Basic Civil Engineering

This book offers an excellent and practically oriented introduction to the basic concepts of modern circuit theory. It builds a thorough and rigorous understanding of the analysis techniques of electric networks, and also explains the essential procedures involved in the synthesis of passive networks. Written specifically to meet the needs of undergraduate students

of electrical and electronics engineering, electronics and communication engineering, instrumentation and control engineering, and computer science and engineering, the book provides modularized coverage of the full spectrum of network theory suitable for a one-semester course. A balanced emphasis on conceptual understanding and problem-solving helps students master the basic principles and properties that govern circuit behaviour. A large number of solved examples show students the step-by-step processes for applying the techniques presented in the text. A variety of exercises with answers at the chapter ends allow students to practice the solution methods. Besides students pursuing courses in engineering, the book is also suitable for self-study by those preparing for AMIE and competitive examinations. An objective-type question bank at the end of book is designed to see how well the students have mastered the material presented in the text.

Design of Steel Structures

POWDER METALLURGY

PRINCIPLES OF FIRE SAFETY ENGINEERING

Traditional books on machine learning can be divided into two groups- those aimed at advanced undergraduates or early postgraduates with reasonable mathematical knowledge and those that are primers on how to code algorithms. The field is ready for a text that not only demonstrates how to use the algorithms that make up machine learning methods, but

Introduction to Database Management Systems:

Electric motors and pneumatic and hydraulic drives are just a few of the topics examined by author Timothy Wentzell, a Professor of Mechanical Engineering Technology, in this straight forward introduction to machine design. A direct, logical approach strives to enhance basic understanding of the material by focusing on solving engineering design problems as opposed to working through extensive derivations. A broad collection of realistic examples and practical problems similar to those faced by working engineers encourages knowledge in the field of machine design. For this reason, the book is also usable by future and practicing engineers as a helpful reference.

Machine Learning

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.

Introduction to Basic Manufacturing Process and Workshop Technology

Remote Sensing and GIS 2e is a comprehensive textbook specially designed to meet the requirements of undergraduate courses in civil, geoinformatics/geomatics, geotechnical, survey, and environmental engineering. It will equally meet the requirements of undergraduate courses in geological science, environmental science, earth sciences, geography, geophysics, earth resources management, environmental management, and disaster management.

Advanced Machining Processes

The revised and updated second edition of this book gives an in-depth presentation of the basic principles and operational procedures of general manufacturing processes. It aims at assisting the students in developing an understanding of the important and often complex interrelationship among various technical and economical factors involved in manufacturing. The book begins with a discussion on material properties while laying emphasis on the influence of materials and processing parameters in understanding manufacturing processes and operations. This is followed by a detailed description of various manufacturing processes commonly used in the industry. With several revisions and the addition of four new chapters, the new edition also includes a detailed discussion on mechanics of metal cutting, features and working of machine tools, design of molds and gating systems for proper filling and cooling of castings. Besides, the new edition

provides the basics of solid-state welding processes, weldability, heat in welding, residual stresses and testing of weldments and also of non-conventional machining methods, automation and transfer machining, machining centres, robotics, manufacturing of gears, threads and jigs and fixtures. The book is intended for undergraduate students of mechanical engineering, production engineering and industrial engineering. The diploma students and those preparing for AMIE, Indian Engineering Services and other competitive examinations will also find the book highly useful. New to This Edition : Includes four new chapters Non-conventional Machining Methods; Automation: Transfer Machining, Machining Centres and Robotics; Manufacturing Gears and Threads; and Jigs and Fixtures to meet the course requirements. Offers a good number of worked-out examples to help the students in mastering the concepts of the various manufacturing processes. Provides objective-type questions drawn from various competitive examinations such as Indian Engineering Services and GATE.

Machine Design

Praised by instructors for its concise, focused approach and user-friendly format, the Illustrated Series engages both computer rookies and hot shots in mastering Microsoft Access 2013 quickly and efficiently. Skills are accessible and easy-to-follow thanks to the Illustrated Series' hallmark 2-page layout, which allows students to see an entire task in one view. New Learning Outcomes outline the skills covered in each lesson, and larger full-color screens represent exactly what students should see on their own computers. Each unit begins with a brief overview of the principles of the lesson, and introduces a case study for further application. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Basic Electrical And Electronics Engineering

Designed as an introductory text for the students of computer science, computer applications, electronics engineering and information technology for their first course on the organization and architecture of computers, this accessible, student friendly text gives a clear and in-depth analysis of the basic principles underlying the subject. This self-contained text devotes one full chapter to the basics of digital logic. While the initial chapters describe in detail about computer organization, including CPU design, ALU design, memory design and I/O organization, the text also deals with Assembly Language Programming for Pentium using NASM assembler. What distinguishes the text is the special attention it pays to Cache and Virtual Memory organization, as well as to RISC architecture and the intricacies of pipelining. All these discussions are climaxed by an illuminating discussion on parallel computers which shows how processors are interconnected to create a variety of parallel computers. KEY FEATURES □ Self-contained presentation starting with data representation and ending with advanced parallel computer architecture. □ Systematic and logical organization of topics. □ Large number of worked-out examples and exercises. □ Contains basics of assembly language programming. □ Each

chapter has learning objectives and a detailed summary to help students to quickly revise the material.

ENERGY ENGINEERING AND MANAGEMENT

Fire Safety is the science of fire and the means of protection against it. Being multidisciplinary in nature, the subject is closely related to chemical engineering, building services, electrical, electronics, structural and civil engineering and industrial engineering. There is a dearth of books on this subject, and therefore, the author aims to provide readers with a lucidly written, comprehensive text explaining the fundamentals of the fire process and means of protection. Comprising twelve chapters, this well-illustrated book with data tables begins with the introduction of the subject and then proceeds to explain fire process, its chemistry, heat and temperature in fire, hydraulics, active and passive fire protection systems, risk management and insurance, and finally investigations and reconstructions of fire incidents. The book appends useful information on fire safety including cases to explain the causes of fire, Indian Standards on fire safety, explosion and properties of some flammable materials. NEW TO THE SECOND EDITION • A chapter on Modelling for Fire Safety • Updated data tables and text wherever necessary TARGET AUDIENCE B.Tech. (Safety and Fire Engineering) B.Tech. (Chemical Engineering)

Basics of Mechanical Engineering

The Data Science Handbook

1 Narcotic analgesics 2 Anti inflammatory agents 3 Autacoids 4 Drugs acting on respiratory tract 5 Drugs acting on gastrointestinal tract Index

Theory of Mechanisms and Machines

Management: Principles, Processes and Practices is a comprehensive textbook designed for management students. The content of the book is balanced with a due focus on concepts and theory, tools and methods and applications. An integrated approach has been adopted with a modular structure that is comprehensive in nature in its coverage of the subject and jargon free at the same time. The book discusses in detail both the managerial functions as well as organizational functions. The whole exposition is divided into six streams viz., Economic and Financial Analysis, Excelling through People, Managerial Competencies, Creating and Delivering Customer Value, Quantitative Methods and Information Systems, and Operations and Technology Management. Written in a lucid style and user-friendly manner, the book presents the basics, essentials,

and applications of management, which will be useful to students.

Basic Civil Engineering and Engineering Mechanics (RGPV, Bhopal)

It is clear that the development of large software systems is an extremely complex activity, which is full of various opportunities to introduce errors. Software engineering is the discipline that provides methods to handle this complexity and enables us to produce reliable software systems with maximum productivity. An Integrated Approach to Software Engineering is different from other approaches because the various topics are not covered in isolation. A running case study is employed throughout the book, illustrating the different activity of software development on a single project. This work is important and instructive because it not only teaches the principles of software engineering, but also applies them to a software development project such that all aspects of development can be clearly seen on a project.

[ROMANCE](#) [ACTION & ADVENTURE](#) [MYSTERY & THRILLER](#) [BIOGRAPHIES & HISTORY](#) [CHILDREN'S](#) [YOUNG ADULT](#) [FANTASY](#)
[HISTORICAL FICTION](#) [HORROR](#) [LITERARY FICTION](#) [NON-FICTION](#) [SCIENCE FICTION](#)