Production Technology, Vol 2: A Treatise of Industrial Practices
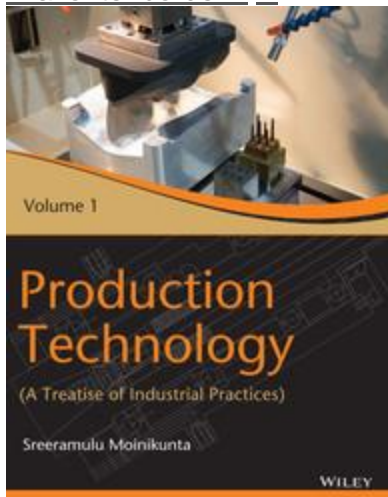
By: Sreeramulu Moinikunta

Print ISBN: 9788126571260

Description : Production Technology (Vol. II) is a ready reckoner data handbook for the practicing engineers and technicians in the manufacturing engineering industry. It aims to re-orient the students or the just-passed-out graduates and develop in them the skills required for the industry as a whole, in particular, for the manufacturing engineering industry. It gives reference or guidance data in the form of figures, tables and photos. This book intends to be readily referred as a reference guide for all relevant subjects with appropriate application knowledge, which is specified in design practices. The book is designed to provide the students an industry-compatible education.

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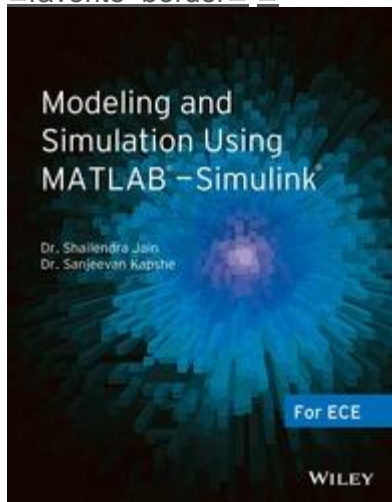Production Technology, Vol 1: A Treatise of Industrial Practices

By: Sreeramulu Moinikunta

Print ISBN: 9788126571253

Description : Production Technology (Vol. I) is a ready reckoner data handbook for the practicing engineers and technicians in the manufacturing engineering industry. It aims to re-orient the students or the just-passed-out graduates and develop in them the skills required for the industry as a whole, in particular, for the manufacturing engineering industry. It gives reference or guidance data in the form of figures, tables and photos. This book intends to be readily referred as a reference guide for all relevant subjects with appropriate application knowledge, which is specified in design practices. The book is designed to provide the students an industry-compatible education. Inclusive of all sorts of practical approaches, this book would be an asset to both students and industry as it bridges the gap between educational institutions and the industry and gives an insight to suitable subjects in abridged manner.

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Modeling and Simulation Using MATLAB - Simulink: For ECE
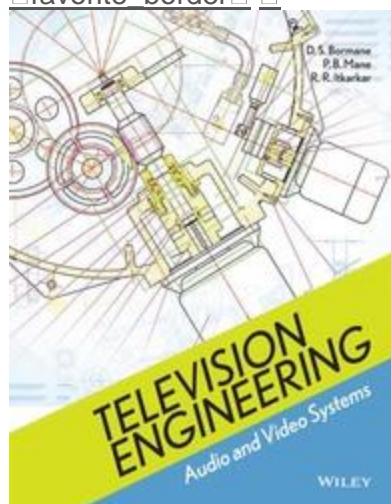
By: Dr. Shailendra Jain, Dr. Sanjeevan Kapshe

Print ISBN: 9788126555949

Description : The advent of low-cost computer power and the availability of numerical software tools provide the opportunity to fundamentally reorient the in-depth understanding of theoretical concepts of electrical and electronics engineering in an interesting and attractive manner, through computer simulation. Development on the integration of the computing resources is now

reflected in courses implemented at several universities and institutions. Two basic choices of software tools are available: circuit oriented simulator and equation solver based simulator. MATLAB� is an equation solver based powerful technical computing tool, widely used in scientific and engineering calculations all over the world.

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Television Engineering: Audio and Video Systems

By: D. S. Bormane, P.B. Mane, R.R. Itkarkar

Print ISBN: 9788126556366

Description : Television Engineering: Audio and Video Systems explains the television engineering technology and focuses on providing latest information on it. The book includes new technologies such as Digital TV and Flat Screen Display. It explains the development in Audio and Video Technology, which includes Wi-Fi Audio / Video Transmitter and Receiver, HDTV Transmitter and Receiver, Mobile TV, IPTV, MP3 Player, Blu-ray DVD, etc.

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Cloud Computing: Fundamentals, Industry Approach and Trends

By: Rishabh Sharma

Print ISBN: 9788126553068

Description : The book provides identification of business requirement for choosing cloud providers and an architectural approach to design cloud solution for the industry followed by best practices for cloud infrastructure setup, cloud capacity management, data and service migration and cost optimization in cloud. It is an easy-to-follow book where only basic knowledge of IT is required to start. In addition, the book is relevant not only to students but also to amateur and experienced IT professionals or anyone who is willing to know about cloud computing.

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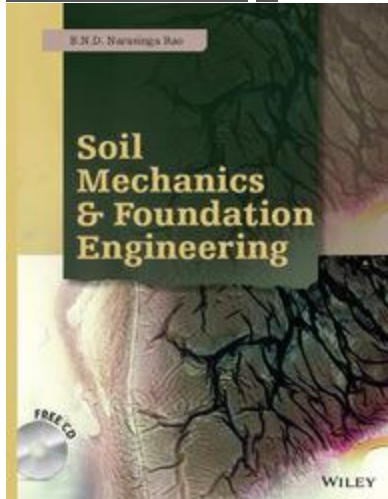Soft Skills: An Integrated Approach to Maximise Personality

By: Gajendra Singh Chauhan, Sangeeta Sharma

Print ISBN: 9788126556397

Description : The book features a practical and time-tested learning program on soft skills that prepares job aspirants to build employment skills quickly. The book is designed with a clear objective to identify the need of the present generation and empower them with the right set of skills to make them employable. With the bunch of soft skills, the book chips in to fill the void between the university curriculum and current industrial needs. The book gives them an inner edge and effectiveness to work with people and excel at workplace.

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Soil Mechanics and Foundation Engineering

By: B.N.D. NARASINGA RAO

Print ISBN: 9788126539567

Description : Soil Mechanics and Foundation Engineering has seen unprecedented growth over the last few decades both in terms of knowledge and practice as well as in its significance in civil engineering profession. Over 1300 numerical and objective questions with solutions have been included in the book. Questions from competitive exams such as GATE, IES, IAS, IFS, etc., involve some of the subtle and fine concepts of the subject and their practical application, which cannot be gained by simple reading of the subject. Keeping this in view, about 600 questions from these examinations from a long span of over 25 years (1987 onwards) have been solved in the book.

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Java 8 in Simple Steps

By: D.T. Editorial Services

Print ISBN: 9789351198468

Description : The book titled Java 8 in Simple Steps is an ideal book for beginners to learn Java 8. This book contains code of many executable programs that help you to understand the concepts of Java 8 in a simple way. It is a good choice for readers looking for a book covering maximum core Java concepts along with various examples.

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Cloud Computing

By: Kailash Jayaswal, Jagannath Kallakurchi, Donald J. Houde

Print ISBN: 9789351198222

Description : This book, Cloud Computing, is a one-time reference book that covers all aspects of cloud computing in an easy-to-understand approach. It covers a variety of topics, such as cloud computing and its comparison with peer-to-peer, client-server, and grid computing; virtualization and its levels; cloud computing services, such as IaaS, PaaS, SaaS and DBaaS; cloud computing and its business values; myths and truths about cloud computing; cloud types and models, such as private, community, hybrid and public; opensource eucalyptus and OpenStack cloud application architecture; cloud deployment techniques; recent trends in cloud computing and standards; host security in cloud for SaaS, PaaS and IaaS; data security in cloud; application architecture for cloud; cloud programming support for Google App engine and Amazon EC2.

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Research Analytics: A Practical Approach to Data Analysis
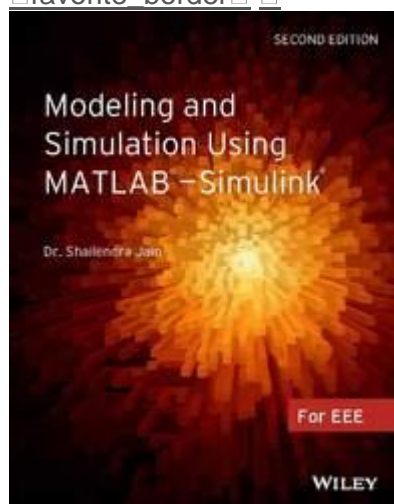
By: Ajay Kumar Chauhan

Print ISBN: 9789351198086

Description : This book is specially designed to explain the basic fundamentals of analytics required for research projects. The book is extremely helpful for students who want to make their career in the area of analytics and data science.

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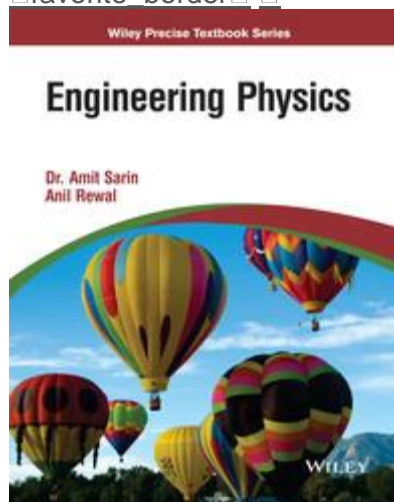Modeling and Simulation using MATLAB - Simulink, 2ed

By: DR. SHAILENDRA JAIN

Print ISBN: 9788126551972

Description : The engineering profession has long been a pioneer in regard to integration of computers in the curriculum as well as teaching. Computing resources can be effectively incorporated into the subjects of electrical and electronics engineering. A brief review of current text-books from major publishers reveals that, to a large extent, the computer is now considered a support tool for the study of subjects. Development on the integration of the computing resources is now reflected in courses implemented at several universities and institutions.

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Engineering Physics

By: Dr. Amit Sarin, Anil Rewal

Print ISBN: 9788126550098

Description : This book has been written to meet the examination need of engineering students enrolling in the first year and is in accordance with the syllabus of Engineering Physics course. The content of the book is built with a student-friendly approach and aims to set a benchmark for a modern approach to the fundamental topics. In each chapter, the fundamental concepts of physics is delineated and then linked to their applications. Properties and applications of contemporary and useful materials such as superconductors, dielectrics, etc., are described in simple yet detailed manner.
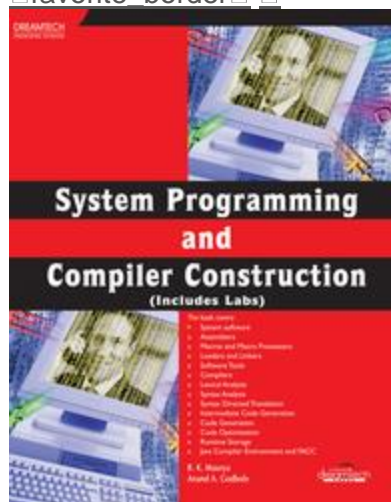
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Technical English, (As per syllabus of JNTU)

By: Dr. M. Sambaiah

Print ISBN: 9788126551354

Description : As English becomes the chief means of communication between nations, it is important for students to acquire proper language skills and word knowledge. This book is aimed to help the students to become confident users of English language. The contents have been developed keeping in mind the importance of English in effective communication in the professional as well as day-to-day life. It will help them to understand spoken and written English particularly the language of their chosen technical field. The audio CD accompanying this book contains 9 modules for the students to develop a high degree of understanding of spoken English.

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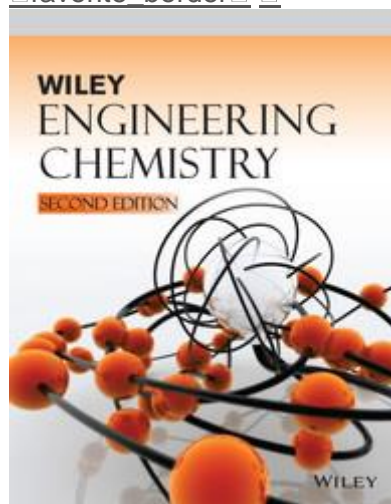
System Programming and Compiler Construction (Includes Labs)

By: R.K. Maurya, Anand A. Godbole

Print ISBN: 9789351197195

Description : The book helps you to understand the role and functioning of various system programs over application program and initiate an understanding of compilers as well as phases of compiler. It also provide theoretical framework for optimizing the code and use of various software tools for developing system programs.
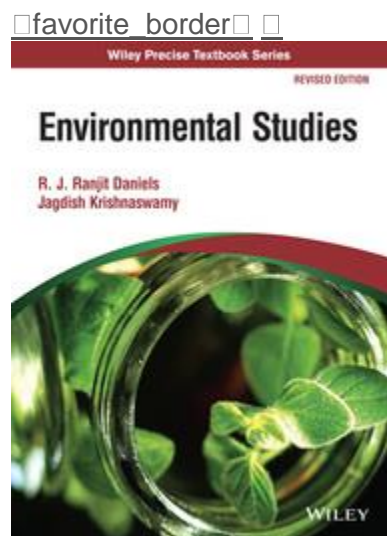
☐favorite_border☐ ☐

Engineering Chemistry, 2ed

By: <u>Wiley Editorial</u>

Print ISBN: 9788126543205

Description : This book is an enriched and updated second edition of our well-received and successful title, Engineering Chemistry. In this edition, an attempt has been made to include topics on emerging research areas, such as nanotechnology and biotechnology and introduce students to green chemistry techniques that help circumvent environmental concerns.

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Environmental Studies, Revised ed (As per syllabus of VTU)

By: <u>R. J. Ranjit Daniels, Jagdish Krishnaswamy</u>
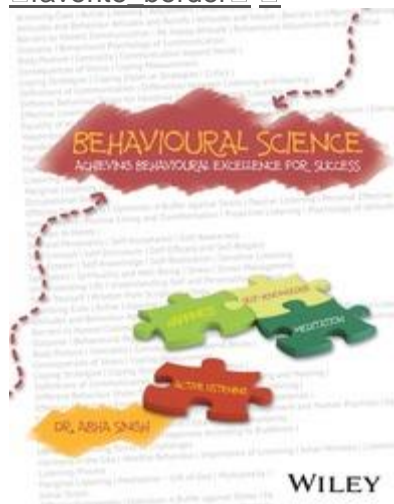
Print ISBN: 9788126551545

Description : The purpose of the textbook is to use a balanced approach to the study of environment adopting operational definitions, broad and realistic classification and focused analyses and discussions that highlight the complexities, importance and scope of environmental studies to a wide array of undergraduate students. The contents are presented in seven chapters such that they cover the specific topics prescribed under the VTU syllabus.

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Linux Labs and Open Source Technologies

By: Prof. Dayanand Ambawade, Deven Shah, Kogent Learning Solutions Inc.

Print ISBN: 9789351194545

Description : There has been rapid growth and development in the field of open-source software. This software promotes universal access, via free license and universal redistribution of a product's design, including subsequent improvements to it by anyone. This book provides in depth knowledge of such open-source software, their importance and how to use them in computer labs. It explores various types of open-source software and tools used in free software projects, including version control, content management system and mobile development.

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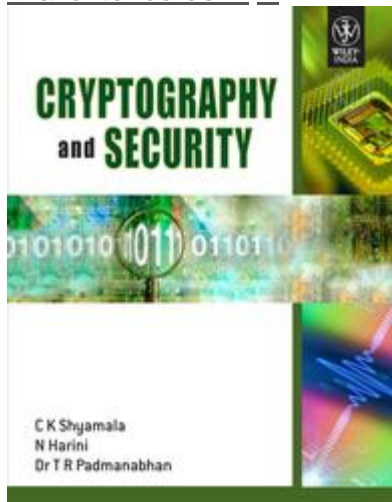Behavioural Science: Achieving Behavioural Excellence for Success

By: DR. ABHA SINGH

Print ISBN: 9788126538027

Description : This book deals with each and every aspect of human behaviour that any individual exhibits in his/her personal as well as professional life. It also explains the process for changes in behavioural aspects to live life more wholesomely in case of need.In addition to the general aspects of behavioural science, this book highlights all the burning topics/problems our society is facing these days: Drug addiction/de-addiction, suicide, depression, etc. Most importantly, this book proves to be an important tool for students, researchers, faculty members and all those people in general who want to lead a peaceful and successful life. Behavioural science helps us to deal with our life in a healthy and positive manner.
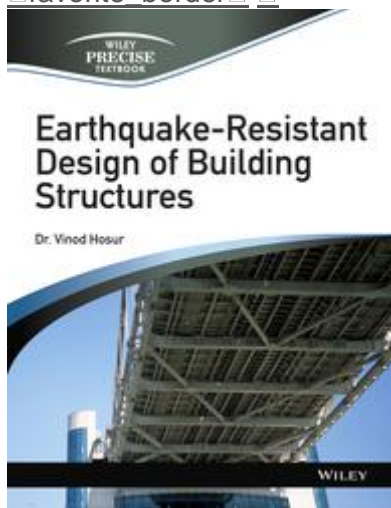
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Cryptography and Security

By: C K Shyamala, N Harini, Dr. T R Padmanabhan

Print ISBN: 9788126522859

Description : In this book, basic concepts of cryptography and security are introduced. Cryptography and security are dealt with in sufficient depth and detail without losing focus. Symmetric and asymmetric key cryptography Elliptic curve cryptography, hashing functions, message authentication and digital signature are discussed and salient features in each explained. Subsequently the cryptographic concepts are used to address security issues at application, transport and network layers. Security threats at various levels and counter measures are explained. Relevant standards and applications are given sufficient attention.

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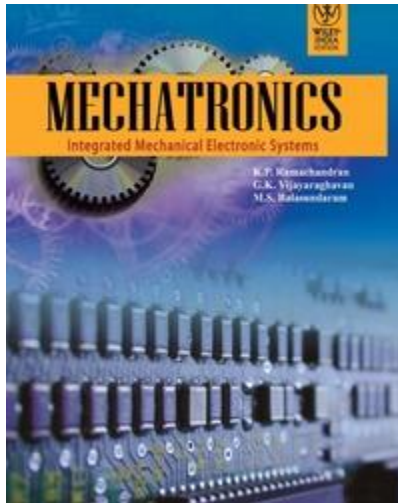
Earthquake-Resistant Design of Building Structures

By: DR. VINOD HOSUR

Print ISBN: 9788126538591

Description : Earthquake-Resistant Design of Building Structures provides up-to-date advanced research in the seismic analysis and design. It is an excellent technical resource material for not only undergraduates but also graduate students in Civil and Structural Engineering as well as Practicing Engineers and Architects. It is a good reference material for research scholars. The book starts with a discussion on seismology, seismic measurements, seismic effects on structures, estimation of seismic demand on structures; covers the analysis and design of the structure for seismic resistance, load-resisting mechanisms, lateral load-resisting capacity of the structures.

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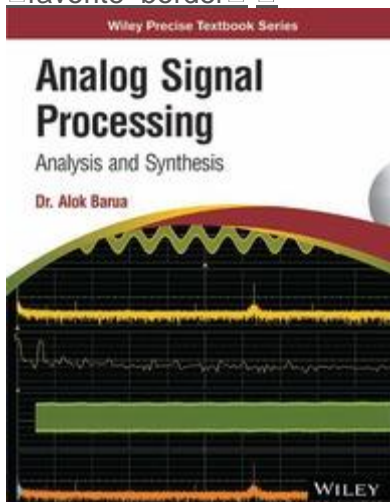Mechatronics: Integrated Mechanical Electronic Systems

By: K.P. RAMACHANDRAN, G.K. VIJAYARAGHAVAN, M.S.BALASUNDARAM

Print ISBN: 9788126518371

Description : This book integrates the principles of electrical and electronic engineering with Mechatronic system application in a simple manner and is designed for both mechanical/industrial engineers. This book enables one to design and select analog and digital circuits, microprocessor-based components, mechanical devices, sensors and actuators and control devices to design modern mechatronic systems.

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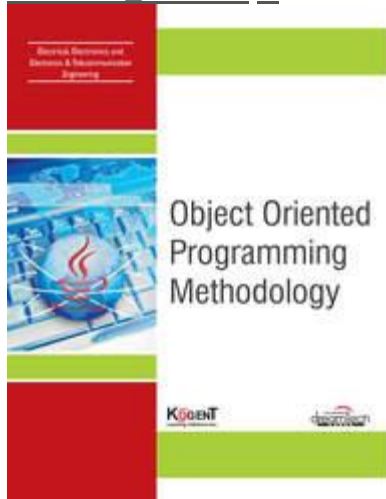

Analog Signal Processing: Analysis and Synthesis

By: Dr. Alok Barua

Print ISBN: 9788126541980

Description : Analog Signal Processing is essential even for a digital system that has an analog signal as input. Analog Signal Processing: Analysis and Synthesis is a textbook for advanced undergraduate and graduate level students as well as circuit designers. It is addressed to Electrical, Electronic Engineering students and practicing engineers interested in instrumentation system design and in understanding the analysis and synthesis of signal processing in analog domain. A basic knowledge of analog circuits is desirable but not essential.

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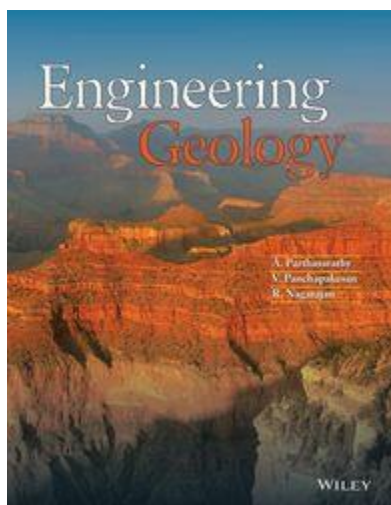
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Object Oriented Programming Methodology

By: Kogent Learning Solutions Inc.

Print ISBN: 9789351191841

Description : This book introduces the Java programming language and explains how to create Java applications and applets. It also discusses various Java programming concepts, such as Object Oriented Programming (OOP), interface, inheritance, collections, multithreading programming and applets. Moreover, the book also helps you to learn how to use the super and final keywords in Java.

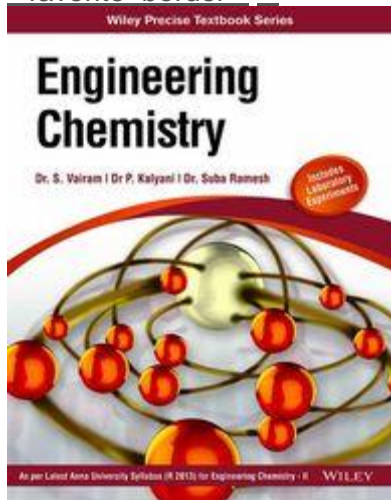Read Offline

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Engineering Geology

By: A. PARTHASARATHY, V. PANCHAPAKESAN, R. NAGARAJAN

Print ISBN: 9788126541829

Description : Engineering Geology provides up-to-date India-specific geological data in simple and easy language and attractive format. It covers all aspects on Engineering Geology in 4 well-designed sections, covering 20 chapters. These sections include Basic Geosciences; Engineering Geology and Allied Fields; Rock Properties, Behaviour and Applications and State-Wise Indian Geological Set-Up.

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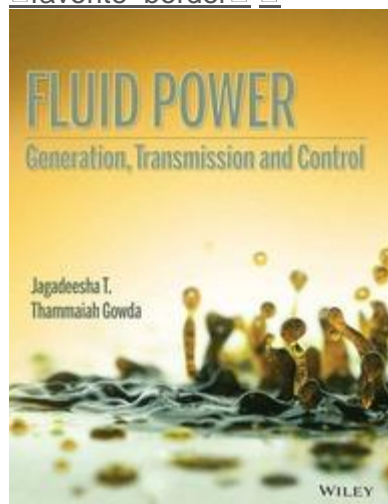Engineering Chemistry, (As per latest syllabus Engineering Chemistry II of Anna University)

By: DR. S. VAIRAM, DR. P. KALYANI, DR. SUBA RAMESH

Print ISBN: 9788126543342

Description : The primary objective of an Engineering Chemistry course is to introduce the students to the concepts and applications of chemistry in Engineering. It should cultivate in them an ability to identify chemistry in each piece of finely engineered products used in households and industry. This book is structured keeping in view the objective of the course. It aims to strengthen the fundamental concepts of chemistry and then builds an interface with their industrial applications. It deals with applied and industrially useful topics, such as Water Technology, Colligative Properties of Solutions, Electrode Potential and Cells, Fuels, Polymers and Corrosion.

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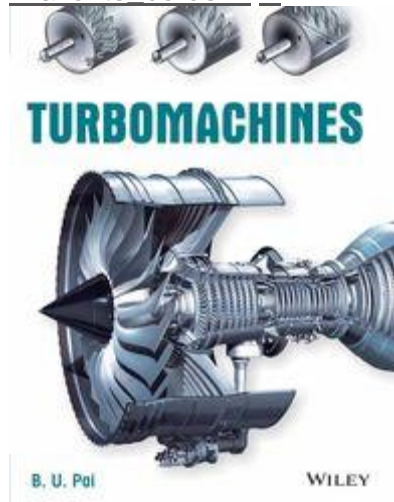favorite_border

Fluid Power: Generation, Transmission and Control

By: JAGADEESHA T., THAMMAIAH GOWDA

Print ISBN: 9788126539543

Description : Fluid Power - Generation, Transmission and Control provides an integrated treatment of hydraulic systems for courses in undergraduate and postgraduate level. The stress is on interdisciplinary nature of subject, and examples have been drawn from various engineering disciplines to illustrate the basic concepts. A strong emphasis has been laid on theory and mathematical treatment of practical systems. Accompanied by more than 500 drawings, the book offers fundamental dynamics and control studies under various conditions.
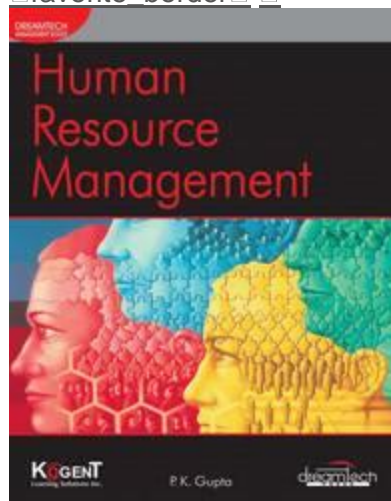
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Turbomachines

By: B.U. Pai

Print ISBN: 9788126539550

Description : This book covers the basic principles of turbo machinery and provides a firm foundation for the understanding of the basic concepts with absolute clarity. The contents of the book have been designed keeping in mind the requirements of undergraduate and postgraduate students of Mechanical Engineering. The book combines theory and applications to show how gas turbines, pumps and compressors function.
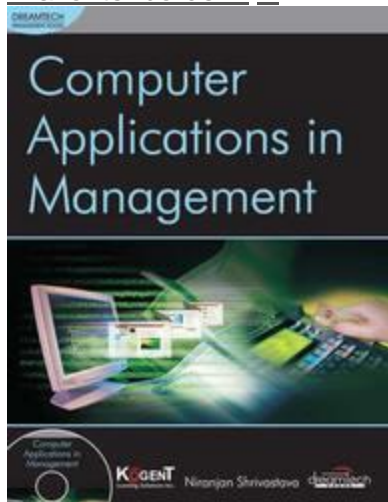
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Human Resource Management

By: Prof. P.K. Gupta

Print ISBN: 9788177228212

Description : The book entitled Human Resource Management is structured in a reader-friendly manner to explain the principles and fundamentals of human resource management. To enhance readers' knowledge, the book focuses on the current and emerging trends in the field of HRM, such as Succession Planning, Change Management, HRD Audit and Accounting, Future of HRM, High Quality Work Life, iHRM and HRIS. This book also includes figures, charts, tables, exhibits, and real world examples to simplify the complex concepts and to enrich the understanding of the readers. In addition, case studies are provided to give a practical view of the concepts and theories of HRM. Summary is provided at the end of each chapter to recollect the basics of the discussed topics. Exercises are also supplemented to evaluate the learning of the reader. This book is primarily meant for post graduate courses of management, entrepreneurs as well as aspiring and practicing managers. It can also serve as a reference for teachers.

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Computer Applications in Management
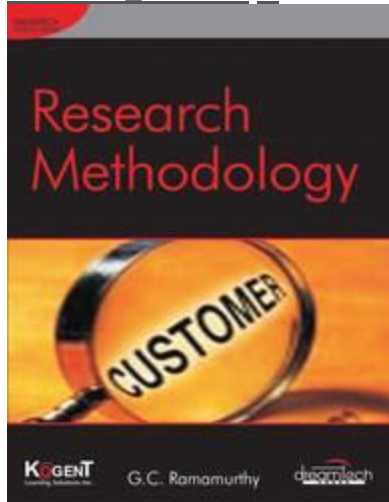
By: Niranjan Shrivastava

Print ISBN: 9788177228502

Description : The book helps you to develop an appreciation of different software and hardware systems available in the industry. It provides an introduction about computers and operating systems develops a basic understanding about the software programs applied for office

automation, introduces the basic concepts of database management, and provides an overview about the concepts of data communication, Internet, and E-commerce. The book helps you to learn about computer usage in business organizations with specific reference to commercial data processing systems.
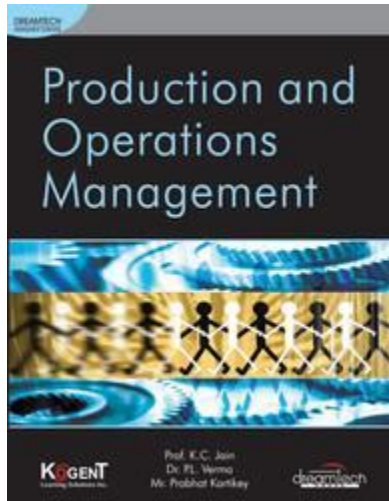
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Research Methodology

By: G.C.Ramamurthy

Print ISBN: 9788177229714

Description : The book entitled Research Methodology is primarily designed for the students of varied management streams. The book also serves as a guide for practitioners doing research projects to enrich and sharpen their analytical skills and business expertise. The book provides a comprehensive description about the research problems, research design, data collection, analysis and interpretation, followed by the guidelines of writing a concise and an effective research report. The book demonstrates the complex statistical tools and techniques in an easy to understand way. The summary and end-of-chapter exercises help readers to recapitulate the main ideas of the chapter. Case studies based on diverse real-life business research projects is the unique feature of the book, which will assist the readers while undertaking their dissertation or internship report

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Production and Operations Management

By: Prof. K.C. Jain, Dr. P.L. Verma, Mr. Prabhat Kartikey

Print ISBN: 9789350045091

Description : The book entitled Production and Operations Management is designed to help managers in making effective production and operations decisions. The concise and accessible style of the book is suitable for students pursuing management and other applied courses. The book effectively blends together the theoretical and practical concepts to make readers comprehend and apply these concepts in their studies and professional life.

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Computer Concepts and C Programming

By: [Vikas Gupta](#)

Print ISBN: 9788177229981

Description : The Computer Concepts and C Programming book helps you to master the fundamentals of computer and C programming language. The book is divided into two sections - the first section provides an in-depth coverage of basic concepts of computer, such as input/output devices, memory devices, operating systems, and networking. The second section of the book elaborates different programming techniques in C programming and covers concepts, such as variables, operators, strings, managing input-output, arrays, and pointers. The book is ideal for students who want to build their future in the field of software development.

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Entrepreneurship

By: [Alpana Trehan](#)

Print ISBN: 9789350040263

Description : This book is divided into two parts. First part covers the concept of entrepreneurship and the challenges, rewards, and issues faced by entrepreneurs in starting and growing the enterprises. It provides a more practical and detailed roadmap defining entrepreneurial development theory, process, decision making, and the skills and characteristics required for real world business practices. Throughout the book you will find the tips on how to become a successful entrepreneur and issues to be avoided. The second part relates to Small Scale enterprises which includes the concept of small scale enterprises, their roles, significance, characteristics, sickness in small scale enterprises, establishing a small Scale enterprise and its successful management. All concepts are explained in an easy comprehensible manner, to

facilitate a clear understanding among the readers, about Entrepreneurship and Small Scale Enterprises.

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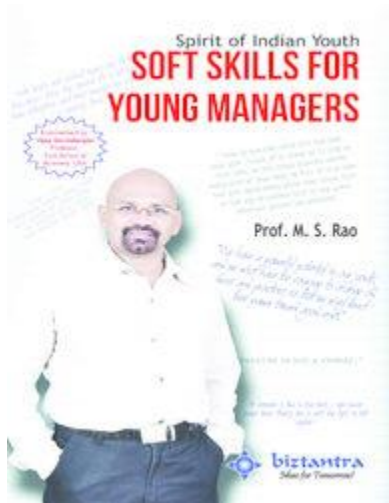
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Training & Development (Indian Text ed)

By: B. Janakiram

Print ISBN: 9788177227253

Description : The present book is an effort to blend training and organizational strategic planning to present training management as a tool for enhanced productivity.

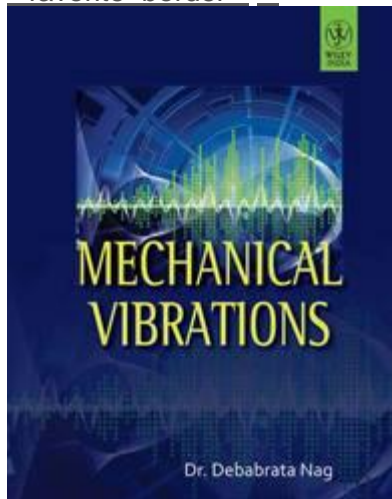Read Offline

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Soft Skills for Young Managers

By: Prof. M.S. Rao

Print ISBN: 9788177223774

Description : The book describes the spirit of Indian youth. It unfolds their aspirations and expectations. It presents their problems and prospects and addresses their current challenges to excel as global citizens. The book reminds Indian youth that the India
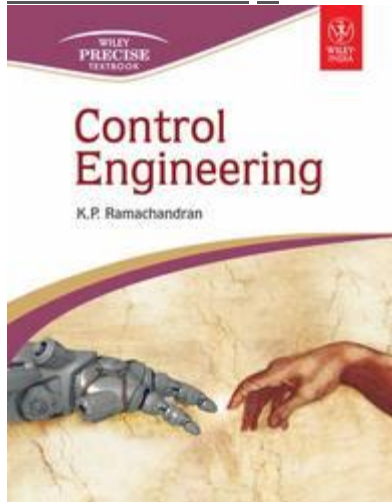
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Mechanical Vibrations

By: Dr. Debabrata Nag

Print ISBN: 9788126530908

Description : Mechanical Vibrations is designed as a textbook for the undergraduate students of mechanical, electrical, aeronautical, automobile and civil engineering at major universities. The text is also useful to postgraduate engineering students of mechanical vibrations. It also helps a smooth understanding of the subject like rotor dynamics, for which the knowledge of vibration is a fundamental prerequisite.

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Control Engineering
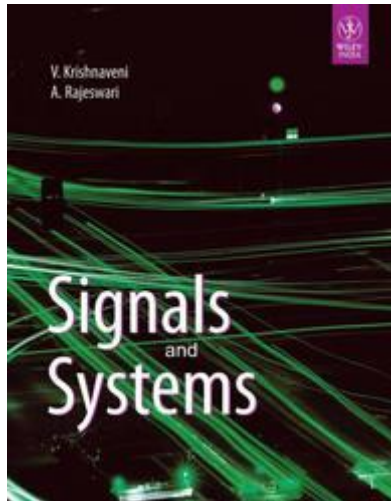
By: K.P.Ramachandran

Print ISBN: 9788126522880

Description : 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.
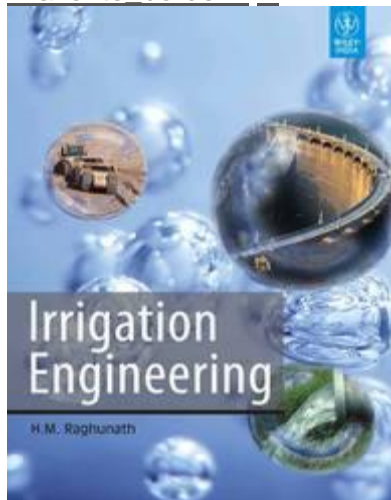
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Signals and Systems

By: V. Krishnaveni, A. Rajeswari

Print ISBN: 9788126522897

Description : This book presents the theory and concepts of Signals and Systems through analytical examples in a simple and lucid manner. This book is suitable for a one-semester undergraduate level course in Signals and Systems, for students in Electronics and Communication, Electrical and Electronics and Computer Engineering programs as well as Information Technology. The book is also valuable for post-graduate students and practicing engineers for reviewing the basics of signals and systems.
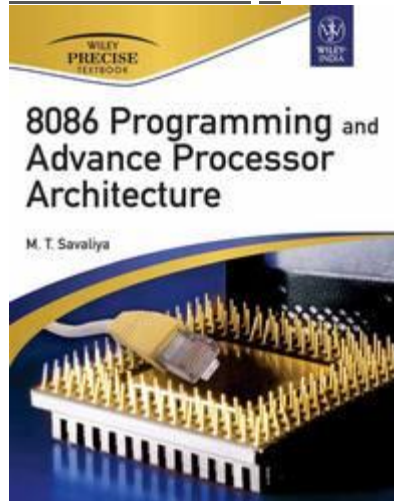
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Irrigation Engineering

By: H.M. Raghunath

Print ISBN: 9788126528813

Description : Irrigation Engineering is designed for the undergraduate students of civil engineering at major Indian universities and engineering colleges. The text is also useful to the experts and professionals in the field of irrigation and agriculture. The content is divided into two parts: Part A and Part B. Part A contain 21 chapters. In this part, the author has discussed various irrigation systems usually adopted in different agro-climatic regions in India. With neatly-drawn sketches, the design of irrigation structures for storage, diversion, distribution and control are illustrated with exam-oriented worked-out examples. Part B of the book comprises 27 irrigation/hydraulic structures (called plates), presenting sketches with usual three-views to scale of dams, spillways, canals and cross-drainage works. These sketches are furnished with all details and dimensions (workable drawings) with lucid and complete designs.

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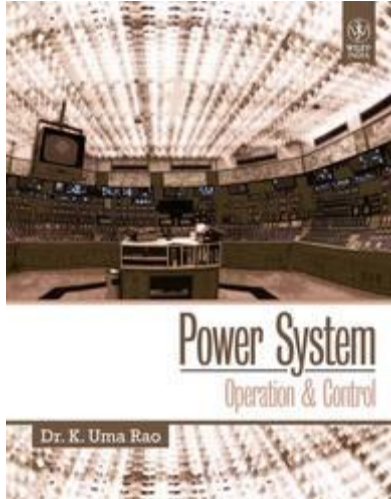8086 Programming and Advance Processor Architecture

By: M.T. Savaliya

Print ISBN: 9788126530915

Description : The study of microprocessor architecture and programming is fundamental to many science and engineering branches including Computer Science/Engineering, Electronics Engineering, Electrical Engineering, Instrumentation and Control Engineering, M.Sc. in Electronics, M.Sc. in Information Technology and many more. This book is designed as a text for one semester course that covers microprocessor programming and architectures of advance

processors. The book covers the architecture and programming of the popular Intel 16-bit microprocessor 8086 in depth; the architectural features of the 80286/386/486 processors; the protected mode software model of the 80386 including segmentation, protection, paging and multitasking; the technical overview of the Pentium family and finally overview of the RISC features with Sun SPARC overview.

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Power System: Operation & Control
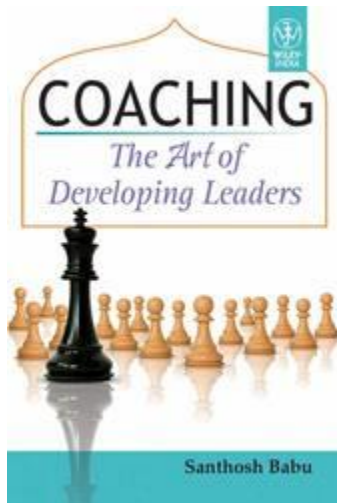
By: Dr. K. Uma Rao

Print ISBN: 9788126534418

Description : This book is aimed at instilling confidence and understanding of the concepts in students. It is also useful for practicing electrical engineers. As power system operation and control is an advanced subject, therefore, familiarity with basic electrical engineering concepts and fundamentals of power system analysis is assumed. Every chapter has a number of tutorials included to facilitate the reader in comprehending the subject better.

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Coaching: The Art of Developing Leaders
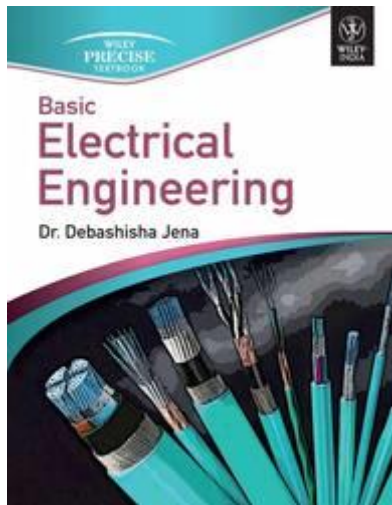
By: Santhosh Babu

Print ISBN: 9788126534791

Description : This book addresses multiple stakeholders of coaching. These include the coach, the client, the sponsor (the organization) and the leaders. If you are interested in being a coach or are a practicing coach, you would find this book extremely useful. If you are someone who wants to hire a coach and experience coaching, this book will show you what to expect and how the coaching happens. If you are a professional who would like to know more about coaching and use this in your organization, this can be a handy guide. And, if you are someone who would like increase your effectiveness then the pages of this book have much to offer you! Coaching-The Art of Developing Leaders dwells on how: o A strong Vibrant workplace where leaders engage both the hearts and the minds of individuals and teams leads to high performance results. o Each Leader could use the principles of Coaching to empower, support and unleash the potential of his people. o Coaching could help create a leadership pipeline faster, support development of high potential employees and how to use coaching as post training support to increase the effectiveness of training interventions. o To Build yourself as a coach, the steps and tools needed along with the conceptual frameworks and content that you need to kick start your coaching practice. o To chose the right coach for yourself, what to expect and how coaching could help you to be more effective as a leader.
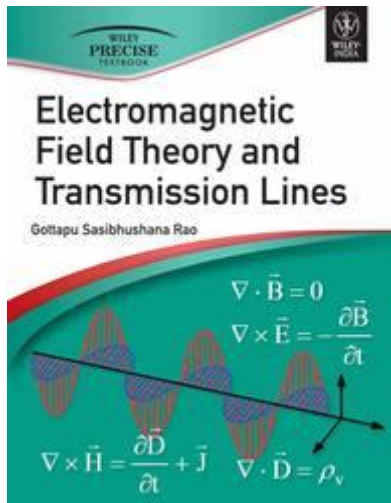
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Basic Electrical Engineering

By: Dr. Debashisha Jena

Print ISBN: 9788126536139

Description : The book is designed to strengthen the understanding of the fundamentals of electrical engineering and then build an interface of theoretical concepts with their engineering applications. With the vast number of solved examples and ample theoretical idea, this book provides an unparalleled exposure to the basics of electrical engineering. This not only enhances the understanding of the subject matter, but in some cases it allows for extension of various concepts as discussed in the text. This book can be covered in one semester engineering course in all the branches of engineering courses in almost all Indian universities. The book is written in a crystal clear manner so that the theory can be easily understood and applied in the field of electrical engineering.

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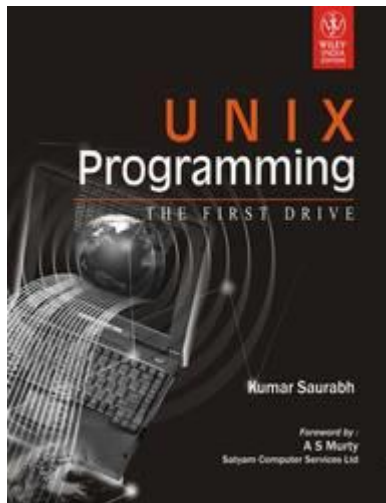
Electromagnetic Field Theory and Transmission Lines

By: Gottapu Sasibhushana Rao

Print ISBN: 9788126536153

Description : o This is a comprehensive textbook designed to cover almost all the topics of electromagnetic field theory, transmission lines and waveguides. o The theoretical basics are analyzed and physical interpretations are presented in an appropriate and lucid manner o All the concepts are well explained with the help of illustrations, diagrams and appropriate examples that follow the topic. This helps the student to easily understand difficult topics o Key equations and formulae have been highlighted o In addition, each chapter includes summary, multiple-choice questions and review questions that greatly assist in revision of the chapter

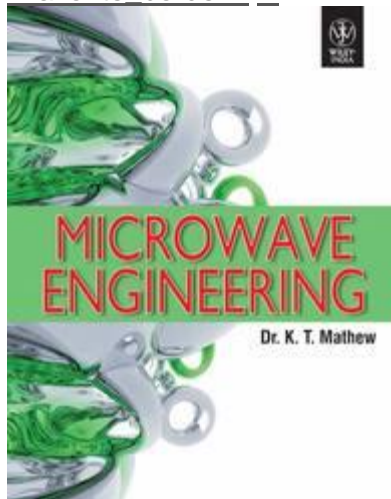Read Offline

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Unix Programming: The First Drive

By: Kumar Saurabh

Print ISBN: 9788126516131

Description : Unix Programming - The First Drive is an important and reliable source of information for those who want to experiment with their computer and for technical programmers who have to deal with the inner levels of a Unix. Beginning with UNIX fundamentals, this book addresses all-important UNIX issues like Commands, Shell Scripts, Internals, Sockets, Device Drivers, Inter-Process Communication etc. The text offers a tutorial approach to understand the Unix Commands, Shell Scripts, Internals, and Inter Process Communication. It will also help in writing sophisticated UNIX programs with features such as File and Directory I/O, Process, Signals, Inter-Process Communication and Interaction with Hardware Devices.
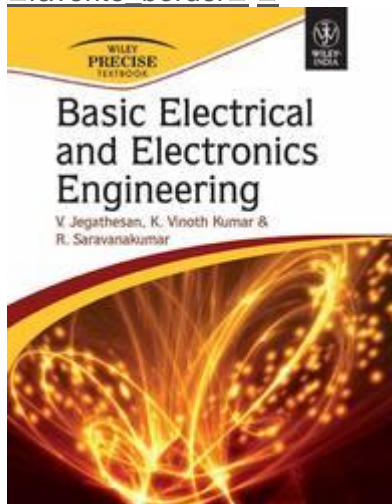
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Microwave Engineering

By: Dr. K.T. Mathew

Print ISBN: 9788126520114

Description : This book introduces microwaves and explains the salient features. In the first 6 chapters of the book, the basic electromagnetics is discussed. The higher portions in electromagnetics such as electromagnetic wave propagation in free space, bounded media including transmission lines and wave guides, microwave generators, important waveguide components, microwave radio propagation, Radar, ionospheric and satellite propagations are discussed in the proceeding chapters. The last chapter is exclusively meant for those who are doing research on microwave propagation and materials study. It deals with the essentials of microwave propagation. Solved problems are also given where ever necessary. ₮Multiple Choice Questions₮ and ₮Problems and Questions₮ are provided at the end of each chapter for practice.

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Basic Electrical and Electronics Engineering

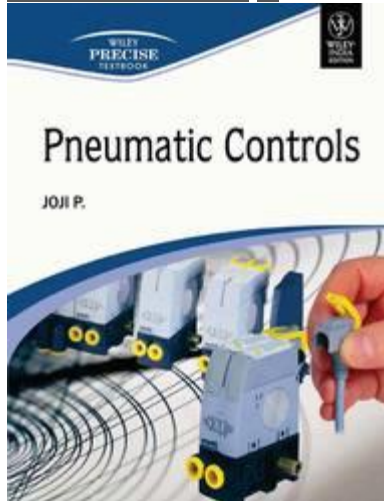By: V. Jegathesan, K. Vinoth Kumar, R. Saravanakumar

Print ISBN: 9788126529513

Description : Setting the benchmark for a modern approach to this fundamental topic, Basic Electrical and Electronics Engineering supplies a comprehensive, intuitive, conceptual, and hands-on introduction with an emphasis on creative problem solving. The book is an attempt that has been made to keep each topic very simple and self-explanatory. This book addresses

the basic requirements of B.E., B.Tech, B.Sc Electrical and Electronics Engineering students. Beginning with the fundamentals of electricity and electrical elements, it provides an exhaustive coverage of fundamental aspects of electrical quantities, alternating and direct current machines, power systems, basic analog instruments and ends with a brief discussion on computer and communication.
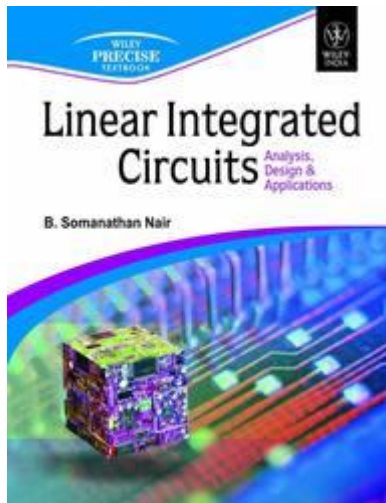
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Pneumatic Controls

By: Joji P.

Print ISBN: 9788126515424

Description : Pneumatic controls is an introductory textbook designed to provide technical information needed as a foundation for dealing with pneumatic components, circuit diagrams and systems. Educating people to properly use pneumatic power is vitally important as there is a widespread use of pneumatics in industry. Therefore, the book has been designed to teach students, engineers and technicians the ⅃why⅂ and ⅃how⅂ of various operating principles of pneumatic and electro-pneumatic equipment and their controls including computer based controls and maintenance aspects in a simple and powerful way. The aim is to integrate all information including circuit ideas and maintenance aspects of pneumatics at one place in a logical way for the step-by-step learning.

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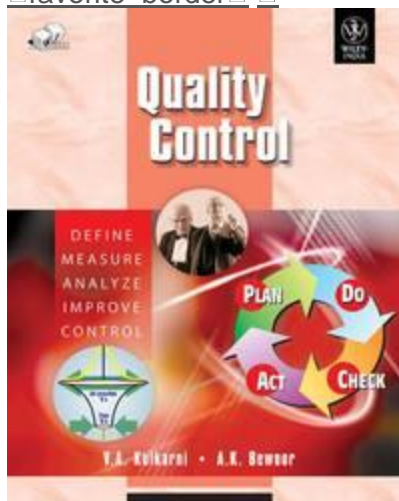
Linear Integrated Circuits: Analysis, Design & Applications

By: B. Somanathan Nair

Print ISBN: 9788126518968

Description : The new precise text from Wiley India deals with the theory, analysis, practical design, and applications of Bipolar and CMOS linear integrated circuits. It is written to cater the needs of sophomore and junior students of undergraduate programs in engineering, specifically in the areas of Electronics and Communication, Applied Electronics, Instrumentation, Biomedical, Electrical, Computer Science and Engineering, and Information Technology. It can also be used for students of undergraduate and graduate programs in the Applied-Sciences Category, especially, Electronics, Computer Science, Information Technology, and Physics.

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Quality Control
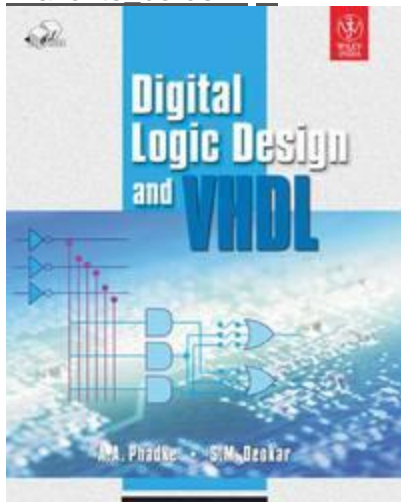
By: V.A. Kulkarni, A.K. Bewoor

Print ISBN: 9788126519071

Description : Quality Control is designed with an integrated approach for the interdisciplinary courses on Quality Control and Total Quality Management. The book serves as a textbook for the core course on Statistical Quality Control and is aimed at undergraduate students of engineering at all Indian universities. The text provides a comprehensive coverage of the subject from basic principles to state-of-the-art concepts and applications. With a strong engineering and management orientation, the book explores the modern use of statistical methods in quality control and improvement

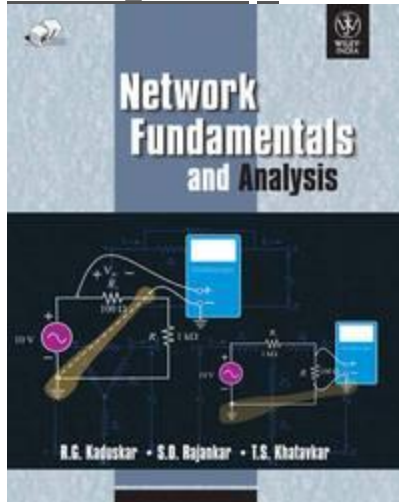Read Offline

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Digital Logic Design and VHDL

By: A.A. Phadke, S.M. Deokar

Print ISBN: 9788126519989

Description : Digital Logic Design and VHDL is a core text for undergraduate students of computer science and engineering at all Indian universities. The text discusses the fundamental concepts of digital electronics with the help of easy-to-understand examples and tries to help visualize these digital designs by writing VHDL codes. VHDL is used to demonstrate how the basic building blocks and larger systems are defined in a hardware description language, producing designs.

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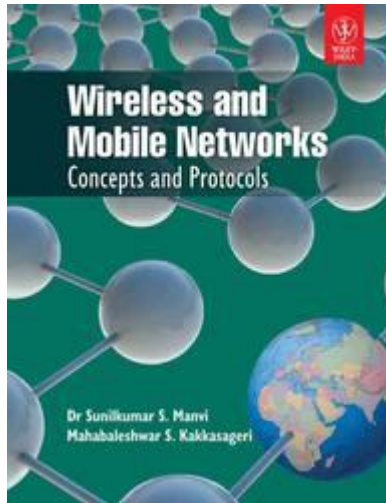
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Network Fundamentals and Analysis

By: R.G. Kaduskar, S.O. Rajankar, T.S. Khatavkar

Print ISBN: 9788126519996

Description : Network Fundamentals and Analysis, designed to serve as a core text, is targeted to undergraduate students of electronics and telecommunications engineering of all major universities. Presented in a simple language and student-friendly manner, the book discusses all the major topics in the field of electric networks. Divided into twelve chapters, the text includes detailed coverage of network fundamentals and simplification techniques with proper coverage of network theorems. Besides a brief theory on attenuators, the text discusses on frequency-selective networks, two-port networks, filters and filter fundamentals. The text also discusses Laplace transform and transient response of simple electrical circuits. The book has a wide coverage of transmission line with a basic theory on two-port parameters and network functions.

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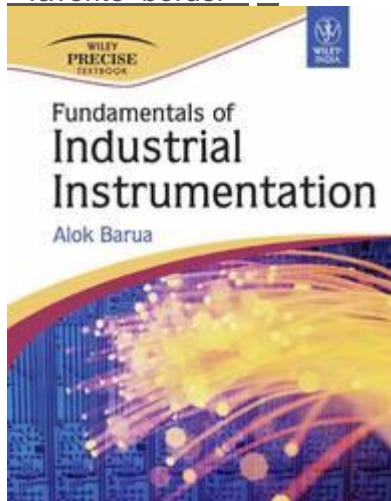
Wireless and Mobile Networks: Concepts and Protocols

By: Dr Sunilkumar S. Manvi, Mahabaleshwar S. Kakkasageri

Print ISBN: 9788126520695

Description : Wireless and Mobile Networks: Concepts and Protocols provides an explanation on the wireless network concepts, architectures, protocols, and applications. It covers the wireless networks such as wireless body area network (WBAN), wireless local area networks (WLANs), wireless metropolitan area networks (WMANs), wireless wide area network (WWAN), wireless sensor networks, wireless vehicle networks, and research challenges in wireless networks. The book addresses the design issues and explores various emerging protocols for wireless networks.

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Fundamentals of Industrial Instrumentation

By: Alok Barua

Print ISBN: 9788126528820

Description : This textbook introduces Instrumentation devices in a way sufficiently complete so that the reader acquires an ability to make meaningful measurement of three important process parameters - temperature, pressure, flow - as well as other mechanical and chemical parameters. The book offers a comprehensive coverage of instrumentation and its practical implementation with an excellent balance of theoretical concepts and engineering practice. Any instrumentation system is incomplete without signal conditioning circuits and for this purpose one full chapter is devoted to various signal conditioning circuits. The book is designed for a one-semester course in Industrial Instrumentation or Instrumentation Devices.

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