

Electronics - RS Sedha
2008-02

The present book has been thoroughly revised and lot of useful material has been added .saveral photographs of electronic devices and their specifications sheets have been included.This will help the students to have a better understanding of the electric devices and circuits from application point of view.the mistake and misprints,which has crept in,have been eliminated in this edition.

Digital Design - M. Morris
Mano 2013

For courses on digital design in an Electrical Engineering, Computer Engineering, or Computer Science department. Digital Design, fifth edition is a modern update of the classic authoritative text on digital design. This book teaches the basic concepts of digital design in a clear, accessible manner. The book presents the basic tools for the design of digital circuits and provides procedures suitable for a variety of digital applications.

Intelligent Communication,

Control and Devices - Rajesh
Singh 2018-05-21

The book focuses on the integration of intelligent communication systems, control systems, and devices related to all aspects of engineering and sciences. It contains high-quality research papers presented at the 2nd international conference, ICICCD 2017, organized by the Department of Electronics, Instrumentation and Control Engineering of University of Petroleum and Energy Studies, Dehradun on 15 and 16 April, 2017. The volume broadly covers recent advances of intelligent communication, intelligent control and intelligent devices. The work presented in this book is original research work, findings and practical development experiences of researchers, academicians, scientists and industrial practitioners.

Introduction to Digital Logic Design - John Patrick Hayes
1993

A college text for a one- or two-term first course in digital logic

design at about the sophomore or junior level. It covers the basics of switching theory and logic design necessary to analyze and design combinational and sequential logic circuits at switch, gate, and register (or register-transfer

Digital Circuits and Design - S. Salivahanan 2018-05-15

Digital Circuits and Design is a textbook dealing with the basics of digital technology including the design aspects of circuits. The book fulfils the requirements of the students of electrical, electronics, and computer science engineering for the first course on the subject. The book is divided into 16 chapters. Each chapter begin with an introduction and ends with a set of review questions and problems. All the topics have been illustrated with clear diagrams. A variety of examples are given to enable students to design digital circuits efficiently. The fifth edition of the book provides discussion of Verilog, a popular hardware description language, to demonstrate

solutions to problems in digital design. The current edition also provides additional example problems.

Advances in Communication and Computational Technology - Gurdeep Singh Hura 2020-08-13

This book presents high-quality peer-reviewed papers from the International Conference on Advanced Communication and Computational Technology (ICACCT) 2019 held at the National Institute of Technology, Kurukshetra, India. The contents are broadly divided into four parts: (i) Advanced Computing, (ii) Communication and Networking, (iii) VLSI and Embedded Systems, and (iv) Optimization Techniques. The major focus is on emerging computing technologies and their applications in the domain of communication and networking. The book will prove useful for engineers and researchers working on physical, data link and transport layers of communication protocols. Also, this will be useful for industry

professionals interested in manufacturing of communication devices, modems, routers etc. with enhanced computational and data handling capacities.

Digital Electronics - Anil K. Maini 2007-09-27

The fundamentals and implementation of digital electronics are essential to understanding the design and working of consumer/industrial electronics, communications, embedded systems, computers, security and military equipment. Devices used in applications such as these are constantly decreasing in size and employing more complex technology. It is therefore essential for engineers and students to understand the fundamentals, implementation and application principles of digital electronics, devices and integrated circuits. This is so that they can use the most appropriate and effective technique to suit their technical need. This book provides practical and comprehensive coverage of digital electronics, bringing

together information on fundamental theory, operational aspects and potential applications. With worked problems, examples, and review questions for each chapter, Digital Electronics includes: information on number systems, binary codes, digital arithmetic, logic gates and families, and Boolean algebra; an in-depth look at multiplexers, de-multiplexers, devices for arithmetic operations, flip-flops and related devices, counters and registers, and data conversion circuits; up-to-date coverage of recent application fields, such as programmable logic devices, microprocessors, microcontrollers, digital troubleshooting and digital instrumentation. A comprehensive, must-read book on digital electronics for senior undergraduate and graduate students of electrical, electronics and computer engineering, and a valuable reference book for professionals and researchers.

Digital Electronics -
Muhamad Salina 2013

Genetic and Evolutionary Computation for Image Processing and Analysis - Stefano Cagnoni 2008

Digital Principles and Design - Donald D. Givone 2003

Basic Electronics - BL Theraja 2007

Aims of the Book: The foremost and primary aim of the book is to meet the requirements of students pursuing following courses of study: 1. Diploma in Electronics and Communication Engineering (ECE)-3-year course offered by various Indian and foreign polytechnics and technical institutes like city and guilds of London Institute (CGLI). 2. B.E. (Elect. & Comm.)-4-year course offered by various Engineering Colleges. Efforts have been made to cover the papers: Electronics-I & II and Pulse and Digital Circuits. 3. B.Sc. (Elect.)-3-Year vocationalised course recently introduced by Approach.

Digital Logic - John M. Yarbrough 1997

DIGITAL LOGIC offers the right balance of classical and up-to-date treatment of combinational and sequential logic design for a first digital logic design class. The author provides a thorough explanation of the design process, including completely worked examples beginning with simple examples and going on to problems of increasing complexity. This text contains PLD (Programmable Logic Design) coverage. Chapter 9 develops complete, worked EPROM, PLA, and EPLD design examples. The problems are developed in Chapter 7 as standard designs using SSI and MSI devices so that your students can see the difference between the two approaches. *Let Us C: Authentic Guide to C PROGRAMMING Language 17th Edition (English Edition)* - Yashavant Kanetkar 2020-09-04
Learn the hand-crafted notes on C programming Key Features Strengthens the foundations, as a detailed explanation of programming

language concepts are given
Lucid explanation of the
concept Well thought-out, fully
working programming
examples End-of-chapter
exercises that would help you
practice the skills learned in
the chapter Hand-crafted
"KanNotes" at the end of the
each chapter that would help
the reader remember and
revise the concepts covered in
the chapter Focuses on how to
think logically to solve a
problem Description The new
edition of this classic book has
been thoroughly revamped, but
remains faithful to the
principles that have
established it as a favourite
amongst students, teachers
and software professionals
round the world. "Simplicity"-
that has been the hallmark of
this book in not only its
previous sixteen English
editions, but also in the Hindi,
Gujrati, Japanese, Korean,
Chinese and US editions. This
book doesn't assume any
programming background. It
begins with the basics and
steadily builds the pace so that
the reader finds it easy to

handle advanced topics
towards the end of the book.
What will you learn C
Instructions Decision Control
Instruction, Loop Control
Instruction, Case Control
Instruction Functions, Pointers,
Recursion Data Types, The C
Preprocessor Arrays, Strings
Structures, Console
Input/Output, File Input/Output
Who this book is for Students,
Programmers, researchers, and
software developers who wish
to learn the basics of C++
programming language. Table
of Contents 1. Getting Started
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Control Instruction 4. More
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Loop Control Instruction 6.
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In Input/Output 21. Operations
On Bits 22. Miscellaneous

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Appendix B- Precedence Table
Appendix C- Chasing the Bugs
Appendix D- ASCII Chart
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About the Authors
Through his books and Quest Video Courses on C, C++, Java, Python, Data Structures, .NET, IoT, etc. Yashavant Kanetkar has created, molded and groomed lacs of IT careers in the last three decades. Yashavant's books and Quest videos have made a significant contribution in creating top-notch IT manpower in India and abroad. Yashavant's books are globally recognized and millions of students/professionals have benefitted from them. Yashavant's books have been translated into Hindi, Gujarati, Japanese, Korean and Chinese languages. Many of his books are published in India, USA, Japan, Singapore, Korea and China. Yashavant is a much sought after speaker in the IT field and has conducted seminars/workshops at TedEx, IITs, IIITs, NITs and global

software companies. Yashavant has been honored with the prestigious "Distinguished Alumnus Award" by IIT Kanpur for his entrepreneurial, professional and academic excellence. This award was given to top 50 alumni of IIT Kanpur who have made a significant contribution towards their profession and betterment of society in the last 50 years. His LinkedIn profile:

[linkedin.com/in/yashavant-kanetkar-9775255](https://www.linkedin.com/in/yashavant-kanetkar-9775255)

FUNDAMENTALS OF DIGITAL CIRCUITS - A. ANAND

KUMAR, 2016-07-18

The Fourth edition of this well-received text continues to provide coherent and comprehensive coverage of digital circuits. It is designed for the undergraduate students pursuing courses in areas of engineering disciplines such as Electrical and Electronics, Electronics and Communication, Electronics and Instrumentation, Telecommunications, Medical Electronics, Computer Science and Engineering, Electronics,

and Computers and Information Technology. It is also useful as a text for MCA, M.Sc. (Electronics) and M.Sc. (Computer Science) students. Appropriate for self study, the book is useful even for AMIE and grad IETE students. Written in a student-friendly style, the book provides an excellent introduction to digital concepts and basic design techniques of digital circuits. It discusses Boolean algebra concepts and their application to digital circuitry, and elaborates on both combinational and sequential circuits. It provides numerous fully worked-out, laboratory tested examples to give students a solid grounding in the related design concepts. It includes a number of short questions with answers, review questions, fill in the blanks with answers, multiple choice questions with answers and exercise problems at the end of each chapter.

Linear Integrated Circuits -
D Choudhury Roy 2003
Designed Primarily For
Courses In Operational

Amplifier And Linear
Integrated Circuits For
Electrical, Electronic,
Instrumentation And Computer
Engineering And Applied
Science Students. Includes
Detailed Coverage Of
Fabrication Technology Of
Integrated Circuits. Basic
Principles Of Operational
Amplifier, Internal
Construction And Applications
Have Been Discussed.
Important Linear Ics Such As
555 Timer, 565 Phase-Locked
Loop, Linear Voltage Regulator
Ics 78/79 Xx And 723 Series D-
A And A-D Converters Have
Been Discussed In Individual
Chapters. Each Topic Is
Covered In Depth. Large
Number Of Solved Problems,
Review Questions And
Experiments Are Given With
Each Chapter For Better
Understanding Of Text. Salient
Features Of Second Edition *
Additional Information
Provided Wherever Necessary
To Improve The Understanding
Of Linear Ics. * Chapter 2 Has
Been Thoroughly Revised. * Dc
& Ac Analysis Of Differential
Amplifier Has Been Discussed

In Detail. * The Section On Current Mirrors Has Been Thoroughly Updated. * More Solved Examples, Pspice Programs And Answers To Selected Problems Have Been Added.

PROCEEDINGS OF THE 21ST CONFERENCE ON FORMAL METHODS IN COMPUTER-AIDED DESIGN

- FMCAD 2021 - Michael W. Whalen 2021-10-14

Our life is dominated by hardware: a USB stick, the processor in our laptops or the SIM card in our smart phone. But who or what makes sure that these systems work stably, safely and securely from the word go? The computer - with a little help from humans. The overall name for this is CAD (computer-aided design), and it's become hard to imagine our modern industrial world without it. So how can we be sure that the hardware and computer systems we use are reliable? By using formal methods: these are techniques and tools to calculate whether a system description is in itself consistent or whether

requirements have been developed and implemented correctly. Or to put it another way: they can be used to check the safety and security of hardware and software. Just how this works in real life was also of interest at the annual conference on "Formal Methods in Computer-Aided Design (FMCAD)". Under the direction of Ruzica Piskac and Michael Whalen, the 21st Conference in October 2021 addressed the results of the latest research in the field of formal methods. A volume of conference proceedings with over 30 articles covering a wide range of formal methods has now been published for this online conference: starting from the verification of hardware, parallel and distributed systems as well as neuronal networks, right through to machine learning and decision-making procedures. This volume provides a fascinating insight into revolutionary methods, technologies, theoretical results and tools for formal logic in computer systems and

system developments.

Communication Systems -

Sanjay Sharma 2012

A VHDL Primer - Jayaram
Bhasker 1995

This book details molecular methodologies used in identifying a disease gene, from the initial stage of study design to the next stage of preliminary locus identification, and ending with stages involved in target characterization and validation.

PULSE AND DIGITAL CIRCUITS - A. ANAND KUMAR
2008-02-12

The second edition of this well-received text continues to provide a coherent and comprehensive coverage of Pulse and Digital Circuits, suitable as a textbook for use by undergraduate students pursuing courses in Electrical and Electronics Engineering, Electronics and Communication Engineering, Electronics and Instrumentation Engineering, and Telecommunication Engineering. It presents clear explanations of the operation

and analysis of semiconductor pulse circuits. Practical pulse circuit design methods are investigated in detail. The book provides numerous fully worked-out, laboratory-tested examples to give students a solid grounding in the related design concepts. It includes a number of classroom-tested problems to encourage students to apply theory in a logical fashion. Review questions, fill in the blanks, and multiple choice questions offer the students the opportunity to test their understanding of the text material. This text will be also appropriate for self-study by AMIE and IETE students. NEW TO THIS EDITION : • Includes two new chapters—Logic Gates and Logic Families—to meet the curriculum requirements. • Provides short questions with answers at the end of each chapter. • Presents several new illustrations, examples and exercises

Design Data Handbook for Mechanical Engineers in SI and Metric Units - K.

Mahadevan 2018-04-30

Machine design is one of the important subjects in mechanical engineering and a thorough knowledge of the design aspects of machine elements is essential for all design engineers. Working out the design of a machine as a whole, or its components, usually involves the use of several formulae, graphs, standard tables and other relevant data. Availability of all such information in one handbook not only eliminates the unnecessary task of remembering the required formulae and equations, but also helps design engineers to solve the problems in machine design quickly and efficiently. This handbook has been prepared keeping these basics in mind. References have been made to several standard textbooks on machine design while compiling the data of this book. In the preparation of the fourth edition, most of the chapters and topics have been upgraded and improved by adding additional information on current design.

Basic Civil Engineering - Dr.

B.C. Punmia 2003-05

Intelligent Copyright Protection for Images -

Subhrajit Sinha Roy
2019-04-16

This book describes the need of copyright protection for multimedia objects and develops an invisible image watermarking scheme to serve the purpose of copyright protection. Here intelligent systems are introduced to generate a better visual transparency with increased payload.

Digital Signal Processing - S. Salivahanan 2000

Digital Circuits & Design - D.P Kothari 2015

This student friendly, practical and example-driven book gives students a solid foundation in the basics of digital circuits and design. The fundamental concepts of digital electronics such as analog/digital signals and waveforms, digital information and digital integrated circuits are discussed in detail using relevant pedagogy

Digital Logic Design (gtu) - Arivazhagan S 2010

Data Structures Using C - Reema Thareja 2014-07-11

This second edition of Data Structures Using C has been developed to provide a comprehensive and consistent coverage of both the abstract concepts of data structures as well as the implementation of these concepts using C language. It begins with a thorough overview of the concepts of C programming followed by introduction of different data structures and methods to analyse the complexity of different algorithms. It then connects these concepts and applies them to the study of various data structures such as arrays, strings, linked lists, stacks, queues, trees, heaps, and graphs. The book utilizes a systematic approach wherein the design of each of the data structures is followed by algorithms of different operations that can be performed on them, and the analysis of these algorithms in

terms of their running times. Each chapter includes a variety of end-chapter exercises in the form of MCQs with answers, review questions, and programming exercises to help readers test their knowledge.

Fundamentals of Power Electronics - Robert W.

Erickson 2020

Fundamentals of Power Electronics, Third Edition, is an up-to-date and authoritative text and reference book on power electronics. This new edition retains the original objective and philosophy of focusing on the fundamental principles, models, and technical requirements needed for designing practical power electronic systems while adding a wealth of new material. Improved features of this new edition include: new material on switching loss mechanisms and their modeling; wide bandgap semiconductor devices; a more rigorous treatment of averaging; explanation of the Nyquist stability criterion; incorporation of the Tan and Middlebrook model for current

programmed control; a new chapter on digital control of switching converters; major new chapters on advanced techniques of design-oriented analysis including feedback and extra-element theorems; average current control; new material on input filter design; new treatment of averaged switch modeling, simulation, and indirect power; and sampling effects in DCM, CPM, and digital control.

Fundamentals of Power Electronics, Third Edition, is intended for use in introductory power electronics courses and related fields for both senior undergraduates and first-year graduate students interested in converter circuits and electronics, control systems, and magnetic and power systems. It will also be an invaluable reference for professionals working in power electronics, power conversion, and analog and digital electronics. Includes an increased number of end of chapter problems; Updated and reorganized, including three

completely new chapters; Includes key principles and a rigorous treatment of topics.

Digital Circuits And Design,

3E - Arivazhagan S

Salivahanan 2009-11

The Use Of Digital Circuits Is Increasing In All Disciplines Of Engineering. Consequently Students Need To Have An In-Depth Knowledge On Them. Digital Circuits And Design Is A Textbook Dealing With The Basics Of Digital Technology Including The Design Asp

Advances in Machine Learning and Computational Intelligence

- Srikanta

Patnaik 2020-07-25

This book gathers selected high-quality papers presented at the International Conference on Machine Learning and Computational Intelligence (ICMLCI-2019), jointly organized by Kunming University of Science and Technology and the Interscience Research Network, Bhubaneswar, India, from April 6 to 7, 2019.

Addressing virtually all aspects of intelligent systems, soft computing and machine

learning, the topics covered include: prediction; data mining; information retrieval; game playing; robotics; learning methods; pattern visualization; automated knowledge acquisition; fuzzy, stochastic and probabilistic computing; neural computing; big data; social networks and applications of soft computing in various areas.

3D Printing and Additive Manufacturing - Chee Kai Chua
2016-11

3D Printing and Additive Manufacturing (AM) has revolutionized how prototypes are made and small batch manufacturing carried out. With additive manufacturing, the strategies used to produce a part change a number of important considerations and limitations previously faced by tool designers and engineers. This 5th edition covers the key AM processes, the available models and specifications, and their principles, materials, advantages and disadvantages. *Electronic Devices and Circuits* - Franz Monssen 1996

Digital Principles & System Design - Atul P. Godse 2007

Alloy Steels - Robert Tuttle
2018-05-04

This book is a printed edition of the Special Issue "Alloy Steels" that was published in *Metals Electronic Devices and Circuits* - Jacob Millman 1976

Electronic Devices And Circuits (for Jntu) - Salivahanan 1988

Modern Digital Electronics - R Jain 2006-08-21

Part of the McGraw-Hill Core Concepts Series, *Modern Digital Electronics* is an ideal textbook for a course on digital electronics at the undergraduate level. The text introduces digital systems and techniques through a bottom-up approach that allows users to start out with the basics of integrated circuits/circuit design and delve into topics such as digital design, flip flops, A/D and D/A. The book then moves on to explore elements of complex digital circuits with material like

FPGAs, PLDs, PLAs, and more. Rich pedagogical features include review questions with answers, a glossary of key terms, a large number of solved examples, and numerous practice problems. This is a concise, less expensive alternative to other digital logic designs. This series is edited by Dick Dorf.

Rapid Prototyping - C K Chua
2003-03-03

Latest Edition: 3D Printing and Additive Manufacturing: Principles and Applications (with Companion Media Pack). Fourth edition of Rapid Prototyping. Rapid Prototyping (RP) has revolutionized the landscape of how prototypes and products are made and small batch manufacturing

carried out. This book gives a comprehensive coverage of RP and rapid tooling processes, data formats and applications. A CD-ROM, included in the book, presents RP and its principles in an interactive way to augment the learning experience. Special features: Most comprehensive coverage of more than 30 RP Systems Understanding of RP through applications In-depth revelation of the basic principles behind major RP techniques Discussion of important issues such as STL file problems of RP parts Interactive CD-ROM to demonstrate the major RP techniques RP company background information and contact addresses