Digital Electronics Salivahanan

Digital Signal Processing
Digital Electronics
Digital Logic Design (gtu)
Digital Circuits And Design, 3E
Digital Circuits and Design
PSpice for Circuit Theory and Electronic Devices
Digital Electronics
Digital Logic Circuit Analysis and Design
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Digital Circuits and Systems
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PULSE AND DIGITAL CIRCUITS
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Digital Electronics [anna]
Fundamentals of Electronic Devices and Circuits
Electronic Devices and Circuits
A Textbook of Applied Electronics
Digital Circuits And Design
Digital Principles and Applications
A Textbook of Digital Electronics
Electronics Fundamentals and Applications
Basic Concepts in Digital Electronics and Logic Design
M202
Electronic Devices and Circuits
Digital Design and Computer Organisation
Digital Logic and Computer Design
Analog & Digital Electronics: For B.Sc.(physics Honours), B.Sc.(electronics Pass & Honours) And B.Tech.(electronics & Communication) (pb)
Electronics with Digital and Analog Integrated Circuits

RILEY JACOB

Digital Signal Processing John Wiley & Sons
Digital electronics is an interdisciplinary subject of electronics, electrical, information technology, computer science engineering and sciences domain. Digital Electronics has been written as per the syllabus of Digital Electronics, Digital Circuits and Logic Design of various universities like PTU, GNDU, PU, SLIET, DU, PEC, NITs and Thapar University. The book provides a comprehensive coverage of the funda-mental aspects of digital electronics. It not only explores the theoretical and practical aspects of digital circuitry, but also gives a glimpse of experience and classroom interaction of the authors. Besides, the step-by-step methods to solve the digital system problems, it also includes the shortcut methods to digital approach for job interviews and competitive examinations. This book is invaluable for BE, B.Tech., B.Sc., M.Sc. (Computer Science/IT), M.Sc. (Physics), M.Sc. (Electronics), BCA, MCA, PGDCA and PGDIT students.
Digital Electronics Firewall Media
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
Digital Logic Design (gtu) S. Chand Publishing
In recent years Fundamentals of Electronic Devices & Circuits are being used extensively in computers, microprocessor and very large scale integration (VLSI) design and digital signal processing research and many other things. This rapid progress in Electronics Engineering has created an increasing demand for trained Electronics Engineering personnel. This book is intended for the undergraduate and postgraduate students specializing in Electronics Engineering. It will also serve as reference material for engineers employed in industry. The fundamental concepts and principles behind electronics engineering are explained in a simple, easy- to- understand manner. Each chapter contains a large number of solved example or problem which will help the students in problem solving and designing of Electronics system. This text book is organized into thirteen chapters. Chapter 0: Famous Scientists and Inventors who Shaped Electronics EngineeringChapter1: Introduction to Electronics, Current and Voltage Sources and Semiconductor Physics Chapter 2: Semiconductor Diode and its ApplicationsChapter 3: Bipolar Junction Transistor (BJT), Transistor Biasing and Stabilization of Operating PointChapter 4: Applications of Bipolar Junction TransistorsChapter 5: Junction Field Effect Transistor& Metal Oxide Semiconductor Field Effect Transistor Chapter 6: SINUSOIDAL OSCILLATORS, Silicon Controlled Rectifier, Uni Junction Transistor , Solar Panel, Tunnel Diode, Photo Diode, Schottky Diode, Liquid Crystal Display & Light Emitting Diode I do hope that the text book in the present form will meet the requirement of the students doing graduation in Electronics & Communication Engineering, Computer Science Engineering, Information Technology, Electronics & Instrumentation Engineering and Electrical & Electronics Engineering. I shall appreciate any suggestions from students and faculty members alike so that we can strive to make the text book more useful in the edition to come. Salient Features*Detailed coverage of Introduction to Electronics, Current and Voltage Sources and Semiconductor Physics, Semiconductor Diode and its Applications.*Comprehensive Coverage of Bipolar Junction Transistor (BJT), Transistor Biasing and Stabilization of Operating Point and Applications of BJTs.*Detailed coverage of Junction Field Effect Transistor& Metal Oxide Semiconductor Field Effect Transistor.*Detailed coverage of Sinusoidal Oscillators, SCR, UJT, Solar Panel, Tunnel Diode, Photo Diode, Schottky Diode, LCD & LED.*Each chapter contains a large number of solved example or objective type's problem which will help the students in problem solving and designing of Electronic Devices and circuits.*Clear perception of the various problems with a large number of neat, well drawn and illustrative diagrams. *Simple Language, easy- to- understand manner.
Digital Circuits And Design, 3E Prentice Hall
CMOS Digital Integrated Circuits: A First Course teaches the fundamentals of modern CMOS technology by focusing on central themes and avoiding overwhelming details. Extensive examples, self-exercises, and end-of-chapter problems assist in teaching the current practices of industry and subjects taught by graduate courses in microelectronics. Computer engineering curriculums can remove the analog electronics prerequisite altogether when adopting this book. This book is also unique in that it presents timing, the most difficult of the computer designer's tasks, and an issue that is avoided by all other textbooks. The remaining chapters describe memory, metal thermal and capacitive properties, FPGAs, layout, and then concludes with a chapter on how circuits are made in a chip factory. Supplementary materials for professors are available upon request via email to books@theiet.org.
Digital Circuits and Design Pearson Education India
Pulse and Digital Circuits is designed to cater to the needs of undergraduate students of electronics and communication engineering. Written in a lucid, student-friendly style, it covers key topics in the area of pulse and digital circuits. This is an introductory text that discusses the basic concepts involved in the design, operation and analysis of waveshaping circuits. The book includes a preliminary chapter that reviews the concepts needed to understand the subject matter. Each concept in the book is accompanied by self-explanatory circuit diagrams. Interspersed with numerous solved problems, the text presents detailed analysis of key concepts. Multivibrators and

sweep generators are covered in great detail in the book.
PSpice for Circuit Theory and Electronic Devices Routledge
This book presents the basic concepts used in the design and analysis of digital systems and introduces the principles of digital computer organization and design.
Digital Electronics I K International Pvt Limited
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 editionof 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.
Digital Logic Circuit Analysis and Design Springer Nature
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.
FUNDAMENTALS OF DIGITAL CIRCUITS McGraw-Hill Companies
New, updated and expanded topics in the fourth edition include: EBCDIC, Grey code, practical applications of flip-flops, linear and shaft encoders, memory elements and FPGAs. The section on fault-finding has been expanded. A new chapter is dedicated to the interface between digital components and analog voltages. *A highly accessible, comprehensive and fully up to date digital systems text *A well known and respected text now revamped for current courses *Part of the Newnes suite of texts for HND/1st year modules
Digital Circuits and Systems Pearson Education India
The present book has been throughly 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 electrinic devices and circuits from application point of view.the mistake and misprints,which has crept in,have been eliminated in this edition.
Digital Logic Design Independently Published
This book on "Basic Concepts in Digital Electronics and Logic Design" has been specially written to meet the requirements of the, Diploma-Tech.,M-Tech students and research scholar of all Indian universities. The subject matter has been discussed in such a simple way that the students will find no difficulty to understand it This Book has been designed to understand the Basic Concepts in Digital Electronics and Logic Design, to let students to understand the core concepts with examples. The objective of the book are to provide a clear explanation of the operations of all logic devices in general use on today and to impart knowledge of digital electronics. The text has been written in a style to enable students to self study. The text of the book is simple and lucid.Solved examples are provided throughout the book to assist the students to assimilate the material covered. Highlights are given at the end of almost each chapter.
Electronic Devices & Circuits Pearson
The book covers all the aspects of theory, analysis, and design of Electron Devices and Circuits for the undergraduate course. The concepts of p-n junction devices, BJT, JFET, MOSFET, electronic devices including UJT, thyristors, IGBT, Amplifier circuits-BJT, JFET and MOSFET amplifiers, multistage and differential amplifiers, feedback amplifiers, and oscillators are explained comprehensively. The book explains various p-n junction devices, including diode, LED, laser diode, Zener diode, and Zener diode regulator. The different types of rectifiers are explained in support. The book covers the construction, operation, and characteristics of BJT, JFET, MOSFET, UJT, Thyristors - SCR, Diac and Triac, and IGBT. It explains the biasing of BJT, JFET, and MOSFET amplifiers, basic BJT, JFET, and MOSFET amplifiers with h-parameters and r-parameters equivalent circuits, multistage amplifiers, differential amplifiers, BiCMOS amplifier, single tuned amplifiers, neutralization methods, power amplifiers, and frequency response. Finally, the book incorporates a detailed discussion of the analysis of the current series, voltage series, current shunt, and voltage shunt feedback amplifiers. The book also includes the discussion of the Barkhausen criterion for oscillations and the detailed analysis of various oscillator circuits, including RC phase shift, Wien bridge, Hartley, Colpitt's, Clapp, and crystal oscillators. The book uses straightforward and lucid language to explain each topic. The book provides the logical method of describing the various complicated issues and stepwise methods to make understanding easy. The variety of solved examples is the feature of this book. The book explains the subject's philosophy, which makes understanding the concepts evident and makes the subject more interesting.
Electron Devices and Circuits New Age International
Digital Circuits and DesignDigital Circuits and Design
Electronic Devices And Circuits (for Jntu) OUP India
Digital Electronics is specially designed as a textbook for the undergraduate students of Electronics, Communciation, Computer Science, Electrical and Instrumentation Engineering for their introductory course on digital electronics or digital system and design.
PULSE AND DIGITAL CIRCUITS S. Chand Publishing
Digital Design and Computer Organization introduces digital design as it applies to the creation of computer systems. It summarizes the tools of logic design and their mathematical basis, along with in depth coverage of combinational and sequential circuits. The book includes an accompanying CD that includes the majority of circuits highlighted in the text, delivering you hands-on experience in the simulation and observation of circuit functionality. These circuits were designed and tested with

a user-friendly Electronics Workbench package (Multisim Textbook Edition) that enables your progression from truth tables onward to more complex designs. This volume differs from traditional digital design texts by providing a complete design of an AC-based CPU, allowing you to apply digital design directly to computer architecture. The book makes minimal reference to electrical properties and is vendor independent, allowing emphasis on the general design principles.

Ele Dev & Cir 2E Digital Circuits and DesignDigital Circuits and DesignDigital 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 editionof 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.Digital Circuits And Design, 3EThe 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 AspDigital Electronics [anna]Digital Circuits And DesignDigital ElectronicsDigital Signal ProcessingM202

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

Electronic Devices and Circuits Technical Publications

This book is meant for the undergraduate students of Electronics, Electrical, Instrumentation and Computer Science Engineering for the courses on Basic Electronics/Electronic Devices and Circuits. It gives detailed description of the operation and characteristics of modern active and passive electronic devices. Logical organization of the chapters, simple language, wide variety of problems with their step by step solutions for every concept makes this book a perfect offering on the subject.

Basic Electronics Tata McGraw-Hill Education

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.

Electronic Circuits Prentice Hall

For introductory digital logic design or computer engineering courses in electrical and computer engineering or computer science at the sophomore- or junior-level. Many recent texts place instructors in the difficult position of choosing between authoritative, state-of-the art coverage and an approach that is highly supportive of student learning. This carefully developed text was widely praised by reviewers for both its great clarity and its rigor. The book balances theory and practice in depth without getting bogged down in excessive technical or mathematical language and has abundant coverage of current topics of interest, such as programmable devices, computer-aided design, and testability. An unusually large number of illustrations, examples, and problems help students gain a solid sense of how theory underlies practice.

Digital Systems Design Prentice Hall

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 beenmade to cover the papers:Electronics-I & II and Pulse and Digital Circuits.3.B.Sc.(Elect.)-3-Year vocationalised course recently introduced by Approach.