
Digital Circuit And Design

Salivahanan Arivazhagan

Electromagnetic Fields and Waves for JNTU

Pulse and Digital Circuits

Conventional Flow Version

Electronic Devices and Circuits

Solid State

Electronic Circuit Analysis for JNTU

Electromagnetic Field Theory, 2e

FUNDAMENTALS OF DIGITAL CIRCUITS

Linear IC Applications

Electronic Circuit Analysis and Design

Digital Integrated Circuits

Electronic Circuit Analysis

Electronic Devices and Circuits

Digital Signal Processing, Fourth Edition

Digital Circuits and Design

Digital Circuits and Design
Basic Electrical and Electronics Engineering for JNTU
Selection and Application Guidelines
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With an Introduction to the Verilog HDL
PULSE AND DIGITAL CIRCUITS
Analog and Digital Electronics
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Digital Circuits And Design, 3E
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Electronic Components
Electronic Devices and Circuits
CMOS VLSI Design: A Circuits and Systems Perspective
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Digital Logic Design (gtu)
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Introductory Electronic Devices and Circuits

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Electromagnetic Fields and Waves for JNTU Prentice Hall

This book seeks to build fundamental concepts on the subject of Linear Algebra and Partial Differential Equations. Each topic is lucidly and comprehensively explained as well as illustrated with diverse types of solved examples. Step-wise explanation has been provided to the students for the numerous solved examples to create a

better understanding of the course. Salient Features include, Strict adherence to latest AU syllabus; Exhaustive coverage on Partial Differential Equations and Fourier Series Solutions of PDE; Diverse and useful pedagogy such as Important points highlighted within text, short answer, questions, numerous solved examples for quick understanding.

Pulse and Digital Circuits S. Chand Publishing

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.

Conventional Flow Version Prentice Hall
This book makes comprehension of material a top priority and encourages

readers to be active participants in the learning process. The conventional-flow version of this book provides a readable and thorough approach to electronic devices and circuits, and support discussions with an abundance of learning aids to motivate and assist readers at every turn. The seventh edition of this well-established book features new internet link identifiers which bring the user to supplemental on-line resources. Covered topics include fundamental solid-state principles, common diode applications, amplifiers, oscillators and transistors. For professionals in the field of Electronics Technology.

Electronic Devices and Circuits McGraw-Hill Education
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 Solid State Firewall Media Basic Electronics and Devices is designed specifically to cater to the needs of students of B. Tech. in Electrical and Electronics Engineering. The book has a perfect blend of focused content and complete coverage. Lucid text with several solved examples, circuit diagrams and adequate questions elucidate the fundamentals of electronics Salient Features: - Comprehensive syllabus coverage - An easy-to-understand text using tutorial approach - Rich pool of pedagogy -

solved examples, exercise questions, objective type questions Electronic Circuit Analysis for JNTU Tata McGraw-Hill Education We are excited to present the third edition of Linear Integrated Circuits by renowned authors. The revised edition continues with its essence of dealing with ICs in detail including theoretical, analytical and application aspects. The learning outcomes-based style of content delivery provides the undergraduate engineering students a thorough understanding of the concepts and induces further exploration into the topics. The book will be a useful reference to GATE, UPSC and other competitive examinations aspirants. *Electromagnetic Field Theory, 2e* 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 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.

FUNDAMENTALS OF DIGITAL CIRCUITS

Pearson Education India

For sophomore courses on digital design

in an Electrical Engineering, Computer Engineering, or Computer Science department. & Digital Design, fourth 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.

Linear IC Applications McGraw-Hill Education

Network Analysis and Transmission Lines is designed specifically to cater to the needs of third semester students of B.Tech in Electronics and Communication Engineering, JNTU. The book has a perfect blend of focused content and complete coverage of the

syllabus. Simple, easy-to-understand and difficult-jargon-free text elucidates the fundamentals of network analysis and transmission lines. Several solved examples, circuit diagrams and adequate questions further help students understand and apply the concepts efficiently. Highlights:

- Comprehensive syllabus coverage
- Lucid presentation style
- Topics illustrated with diagrams for better understanding
- Rich pool of pedagogy: Illustrative Examples, Review Questions and Numerical Problems

Electronic Circuit Analysis and Design McGraw-Hill Education

This junior-level electronics text provides a foundation for analyzing and designing analog and digital electronic circuits. Computer analysis and design are

recognized as significant factors in electronics throughout the book. The use of computer tools is presented carefully, alongside the important hand analysis and calculations. The author, Don Neamen, has many years experience as an engineering educator and an engineer. His experience shines through each chapter of the book, rich with realistic examples and practical rules of thumb. The book is divided into three parts. Part 1 covers semiconductor devices and basic circuit applications. Part 2 covers more advanced topics in analog electronics, and Part 3 considers digital electronic circuits.

[Digital Integrated Circuits](#) Pearson Education India

Digital Signal Processing is a trademark book that covers all the fundamentals of

the area in a well arranged and lucid manner. This fourth edition has been carefully revised to update the text with the latest developments in the field. Enriched with a large number of well-designed problems and MATLAB programs, the book offers a right blend of theory and application. The book is suitable as a text for subjects Signals and Systems and Digital Signal Processing in B.E./B.Tech., AMIE and Grade IETE degree programs, and for the subject Advanced Digital Signal Processing in the M.E./M.Tech. degree program. It will also serve as a useful reference to those preparing for competitive examinations. Salient Features: 1. Detailed coverage of latest AICTE model curriculum 2. Digital Signal Processing presented with an

application-based approach 3. Learning Objective (LOs) and Level of Difficulty (LODs) added to render clarity and preciseness 4. Newly written and updated chapters on Continuous Time Signals, Discrete Fourier Transform, and Fast Fourier Transform 5. Expanded coverage on topics like Convolution, ROC for Laplace Transform, Goertzel algorithm, BIBO stability, Filter structures, etc. 6. Updated MATLAB Programs along with their outputs
Electronic Circuit Analysis PHI Learning Pvt. Ltd.

This book Basic Electrical and Electronics Engineering has a perfect blend of focused content and complete coverage. Simple, easy-to-understand and difficult-jargon-free text enhances the utility of the book and makes it a lasting resource

for students and instructors. ✓
Comprehensive coverage with lucid presentation style ✓ Rich exam-oriented pedagogy ✓ Solved numerical examples within chapters ✓ Unsolved review questions ✓ Multiple-choice questions
Electronic Devices and Circuits Tata McGraw-Hill Education
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.

Digital Signal Processing, Fourth Edition Pearson Education India
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.

Digital Circuits and Design John Wiley & Sons

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 Circuits and Design 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, demultiplexers, 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.

Basic Electrical and Electronics Engineering for JNTU McGraw-Hill Education

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.

Selection and Application Guidelines

Wiley-Interscience

Digital Circuits and Design

Linear Integrated Circuits, 3e

Pearson Education India

The book is designed for students studying the course on Electronic

Circuits - 1. The topics have been organized in a sequential manner to enhance the understanding of the fundamentals of the subject. A wide variety of solved examples have been provided with step-by-step solutions, which will enable the students in a better understanding of the course.

With an Introduction to the Verilog HDL

Digital Circuits and Design 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. Digital Circuits And Design, 3E 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 Digital Circuits and Design Linear Integrated Circuits, 3e Electromagnetic Field Theory is a single

textbook catering to the electromagnetic field fundamentals for B.E./B.Tech. in Electronics and Communication Engineering, Electronics and Telecommunication Engineering, Electrical and Electronics Engineering and M.Sc. (Electronics) of various Indian Universities. The primary goal of the text is to provide deep knowledge on the subject with rich pedagogy and it is also a useful reference for GATE, UPSC aspirants. The book provides an

organized and balanced presentation to cover the entire syllabus of Electromagnetic Field Theory. Each Chapter of the book begins with a brief introduction, contains numerous practice problems and ends with review questions. The fundamental concepts and related derivations with necessary illustrations are provided in a simple and comprehensive manner to make the students understand the subject.

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