

IETE Exam Date 2014

This is an up-to-date treatment of the analysis and design of CMOS integrated digital logic circuits. The self-contained book covers all of the important digital circuit design styles found in modern CMOS chips, emphasizing solving design problems using the various logic styles available in CMOS.

This book comprises select proceedings of the International Conference on Smart Technologies for Energy, Environment, and Sustainable Development (ICSTEESD 2018). The chapters are broadly divided into three focus areas, viz. energy, environment, and sustainable development, and discusses the relevance and applications of smart technologies in these fields. A wide variety of topics such as renewable energy, energy conservation and management, energy policy and planning, environmental management, marine environment, green building, smart cities, smart transportation are covered in this book. Researchers and professionals from varied engineering backgrounds contribute chapters with an aim to provide economically viable solutions to sustainable development challenges. The book will prove useful for academics, professionals, and policy makers interested in sustainable development.

Due to market forces and technological evolution, Big Data computing is developing at an increasing rate. A wide variety of novel approaches and tools have emerged to tackle the challenges of Big Data, creating both more opportunities and more challenges for students and professionals in the field of data computation and analysis. Presenting a mix of industry cases and theory, Big Data Computing discusses the technical and practical issues related to Big Data in intelligent information management. Emphasizing the adoption and diffusion of Big Data tools and technologies in industry, the book introduces a broad range of Big Data concepts, tools, and techniques. It covers a wide range of research, and provides comparisons between state-of-the-art approaches. Comprised of five sections, the book focuses on: What Big Data is and why it is important Semantic technologies Tools and methods Business and economic perspectives Big Data applications across industries

Pass with Distinction Physics (By Topic) is specially written for students who wish to score an excellent grade in their GCE O Level Physics examination. Based on the LATEST syllabus (5058), it contains many challenging questions that provide excellent revision material. These questions also help to reinforce students' understanding of concepts and their ability to apply them. The multiple choice questions (MCQs) and structured questions (SQs) have been carefully categorised into 22 topics. Answers are provided for all questions, with detailed solutions for the SQs. Full solutions, explanations and comments are also included for the more challenging MCQs. The new trend and challenging questions are marked with . It is hoped that every student will greatly benefit from the use of this book. We believe it will give students an edge and added confidence in their forthcoming examination.

Electronic System Level Design

Advances in VLSI, Signal Processing, Power Electronics, IoT, Communication and Embedded Systems

Bioreactors

Financial System Stability Assessment

First Review, December 2012

Linear Integrated Circuits

This book focuses on reversible steganography and authentication via transform encoding, fully discussing in detail the reversibility computation of six transformation techniques: DFT, DCT, wavelets, Z, binomial and grouplet, as well as chaos-based authentication. The book also describes algorithmic approaches based on all transformations along with implementation details and results. Further topics include embedding and extraction into the spatial domain, tuning using GA-based approaches and embedding into imaginary coefficients of the Z domain. Featuring detailed algorithms for encryption and descriptions of all techniques, including embedding techniques for all transform-based steganographic processes, the book also explores the adjustment of pixel values after embedding and presents numerical examples of reversible computations. In the context of chaos-based authentication, it also describes testing the quality of generator is using Monobit, Serial and Poker tests. The book then outlines 15 test cases recommended by NIST fifteen test cases, along with their implementation on six evolutionary algorithms for neural cryptographic systems in the context of wireless computations - TPM, KSOMSCCT, DHLPSCT, CHDLPSCCT, CTHLPSCT and CGTHLPSCT - and verifies their satisfiability based on the implementations of these six techniques. Lastly it presents various metrics of image processing systems. This book is a valuable reference resource for research scholars, PG/UG students and practicing engineers

The state-of-the-art in multimedia content analysis, media foundations, and compression Covers digital audio, images, video, graphics, and animation Includes real-world project sets that help you build and test your expertise By two of the world's leading experts in advanced multimedia systems development The practical, example-rich guide to media coding and content processing for every multimedia developer. From DVDs to the Internet, media coding and content processing are central to the effective delivery of high-quality multimedia. In this book, two of the field's leading experts introduce today's state-of-the-art, presenting realistic examples and projects designed to help implementers create multimedia systems with unprecedented performance. Ralf Steinmetz and Klara Nahrstedt introduce the fundamental characteristics of digital audio, images, video, graphics, and animation; demonstrate powerful new approaches to content analysis and compression; and share expert insights into system and end-user issues every advanced multimedia professional must understand. Coverage includes: Generic characteristics of multimedia and data streams, and their impact on multimedia system design Essential audio concepts and representation techniques: sound perception, psychoacoustics, music, MIDI, Speech signals, and related I/O and transmission issues Graphics and image characteristics: image formats, analysis, synthesis, reconstruction, and output Video signals, television formats, digitization, and computer-based animation issues Fundamental compression methods: run-length, Huffman, and subband coding Multimedia compression standards: JPEG, H.232, and various MPEG techniques Optical storage technologies and techniques: CD-DA, CD-ROM, DVD, and beyond Content processing techniques: Image analysis, video processing, cut detection, and audio analysis First in an authoritative 3-volume set on tomorrow's robust multimedia desktop: real-time audio, video, and streaming media. Multimedia Fundamentals offers a single, authoritative source for the knowledge and techniques you need to succeed with any advanced multimedia development project. Look for Volume 2 focusing on networking and operating system-related issues, and Volume 3 focusing on service and application issues.

Electronic System Level Design: an Open-Source Approach is based on the successful experience acquired with the conception of the ADL ArchC, the development of its underlying tool suite, and the building of its platform modeling infrastructure.

With more than 10000 accesses per year since 2004, the dissemination of ArchC models reached not only students in quest of proper infrastructure to develop their research projects but also some companies in need of processor models to build virtual platforms using SystemC. The need to anticipate the development of hardware-dependent software and to build virtual prototypes gave rise to Transaction Level Modeling (TLM). Since SystemC provided the elements and the adequate abstraction level for supporting TLM, their relation has grown so strong that OSCI created a TLM Working Group whose effort resulted in the recently released TLM 2.0 standard, which is also covered in this book.

The book presents high-quality papers from the Third International Conference on Microelectronics, Computing & Communication Systems (MCCS 2018). It discusses the latest technological trends and advances in MEMS and nanoelectronics, wireless communications, optical communication, instrumentation, signal processing, image processing, bioengineering, green energy, hybrid vehicles, environmental science, weather forecasting, cloud computing, renewable energy, RFID, CMOS sensors, actuators, transducers, telemetry systems, embedded systems, and sensor network applications. It includes papers based on original theoretical, practical and experimental simulations, development, applications, measurements, and testing. The applications and solutions discussed in the book provide excellent reference material for future product development.

Pass With Distinction Physics by Topic

Switching and Finite Automata Theory

Preparing for Life in a Digital World

Embedded System Design

PROBABILITY AND STATISTICS FOR ENGINEERS

Frontiers in Electronics is divided into four sections: advanced terahertz and photonics devices; silicon and germanium on insulator and advanced CMOS and MOSFETs; nanomaterials and nanodevices; and wide band gap technology for high power and UV photonics. This book will be useful for nano-microelectronics scientists, engineers, and visionary research leaders. It is also recommended to graduate students working at the frontiers of the nanoelectronics and microscience.

Recoge: 1. Introduction - 2. Macroeconomic and financial developments - 3. Programme implementation - 4. Debt sustainability analysis and programme financing.

This book features selected papers presented at the Fifth International Conference on Nanoelectronics, Circuits and Communication Systems (NCCS 2019). It covers a range of topics, including nanoelectronic devices, microelectronics devices, material science, machine learning, Internet of things, cloud computing, computing systems, wireless communication systems, advances in communication 5G and beyond. Further, it discusses VLSI circuits and systems, MEMS, IC design and testing, electronic system design and manufacturing, speech signal processing, digital signal processing, FPGA-based wireless communication systems and FPGA-based system design, Industry 4.0, e-farming, semiconductor memories, and IC fault detection and correction.

Bioreactors: Animal Cell Culture Control for Bioprocess Engineering presents the design, fabrication, and control of a new type of bioreactor meant especially for animal cell line culture. The new bioreactor, called the "see-saw bioreactor," is ideal for the growth of cells with a sensitive membrane. The see-saw bioreactor derives its name from its principle of operation in which liquid columns in either limb of the reactor alternately go up and down. The working volume of the reactor is small, to within 15 L. However, it can easily be scaled up for large production in volume of cell mass in the drug and pharmaceutical industries. The authors describe the principle of operation of the see-saw bioreactor and how to automatically control the bioprocess. They discuss different control strategies as well as the thorough experimental research they conducted on this prototype bioreactor in which they applied a time delay control for yield maximization. To give you a complete understanding of the design and development of the see-saw bioreactor, the authors cover the mathematical model they use to describe the kinetics of fermentation, the genetic algorithms used for deriving the optimal time trajectories of the bioprocess variables, and the corresponding control inputs for maximizing the product yield. One chapter is devoted to the application of time delay control. Following a description of the bioreactor's working setup in the laboratory, the authors sum up their investigation and define the future scope of work in terms of design, control, and software sensors.

Proceedings of the Third International Conference on Microelectronics, Computing and Communication Systems

Handbook of Research on Cloud Infrastructures for Big Data Analytics

Intelligent Computing and Applications

FUNDAMENTALS OF DIGITAL CIRCUITS

Software Architecture in Practice

The Second Economic Adjustment Programme for Greece

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.

Life skills are essentially individual abilities that help in promoting mental well-being and competence in people to deal with the vicious situations in life. This book presents various aspects of life skills, including communication, self-analysis, self-development and study habits. These are crucial elements in determining one's personal and professional growth. Written in an interactive style, this course book will help students inculcate the various life skills and enhance their acceptability and growth in this highly competitive world.

This book presents the peer-reviewed proceedings of the 5th International Conference on Intelligent Computing and Applications (ICICA 2019), held in Ghaziabad, India, on December 6-8, 2019. The contributions reflect the latest research on advanced computational methodologies such as neural networks, fuzzy systems, evolutionary algorithms, hybrid intelligent systems, uncertain reasoning techniques, and other machine learning methods and their applications to decision-making and problem-solving in mobile and wireless communication networks.

Software architecture—the conceptual glue that holds every phase of a project together for its many stakeholders—is widely recognized as a critical element in modern software development. Practitioners have increasingly discovered that close attention to a software system's architecture pays valuable dividends. Without an architecture that is appropriate for the problem being solved, a project will stumble along or, most likely, fail. Even with a superb architecture, if that architecture is not well understood or well communicated the project is unlikely to succeed. Documenting Software Architectures, Second Edition, provides the most complete and current guidance, independent of language or notation, on how to capture an architecture in a commonly understandable form. Drawing on their extensive experience, the authors first help you decide what information to document, and then, with guidelines and examples (in various notations, including UML), show you how to express an architecture so that others can successfully build, use, and maintain a system from it. The book features rules for sound documentation, the goals and strategies of documentation, architectural views and styles, documentation for software interfaces and software behavior, and templates for capturing and organizing information to generate a coherent package. New and improved in this second edition: Coverage of architectural styles such as service-oriented architectures, multi-tier architectures, and data models Guidance for documentation in an Agile development environment Deeper treatment of documentation of rationale, reflecting best industrial practices Improved templates, reflecting years of use and feedback, and more documentation layout options A new, comprehensive example (available online), featuring documentation of a Web-based service-oriented system Reference guides for three important architecture documentation languages: UML, AADL, and SySML

Media Coding and Content Processing

MCCS 2018

A Unified Hardware/Software Introduction

Views and Beyond

Proceeding of NCCS 2019

Frontiers In Electronics - Proceedings Of The Workshop On Frontiers In Electronics 2009

Suitable for an introductory course or a second course in Instrumentation, this book includes: software-controlled measurements; time interval measurement when the two events occur arbitrarily, and to indicate the order of occurrence, and a practical set up for the time interval measurement; multi-phase sequence indicator; decibel meter; and more.

This is the eagerly-anticipated revision to one of the seminal books in the field of software architecture which clearly defines and explains the topic.

This Open Access book summarizes the key findings from the second cycle of IEA's International Computer and Information Literacy Study (ICILS), conducted in 2018. ICILS seeks to establish how well schools around the globe are responding to the need to provide young people with the necessary digital participatory competencies. Effective use of information and communication technologies (ICT) is an imperative for successful participation in an increasingly digital world. ICILS 2018 explores international differences in students' computer and information literacy (CIL), namely their ability to use computers to investigate, create, and communicate at home, at school, in the workplace, and in the community. Participating countries also had an option to administer an assessment of students' computational thinking (CT), focused on their ability to recognize aspects of real-world problems appropriate for computational formulation, and to evaluate and develop algorithmic solutions to those problems, so that the solutions could be operationalized with a computer. The data collected by ICILS 2018 show how digital competencies can be assessed using instruments representing authentic contexts for ICT use, and how students' CIL and CT skills relate to school learning experiences, out-of-school contexts, and student characteristics. Those data also show how learning technologies are used in classrooms around the world. Background questionnaires asked students about their use of ICT, and collected information from teachers, schools, and national education systems about the resourcing and teaching of CIL (and CT) within their countries. The results of ICILS 2018 will enable policymakers and education systems to develop a better understanding of the contexts and outcomes of CIL (and CT) education programs.

The Shoalhaven boasts a huge range of beautiful environments, making the region perfect for exploring on foot. Best Bush, Coast and Village Walks of the Shoalhaven, the eighth book in Woodslane's hugely successful walking guides series, introduces the best walks for visitors and residents alike, ranging from leisurely beach-side strolls to the more rugged tracks deep in the bush. Detailed descriptions and maps help the reader explore the regions parks, bushland, rivers, coasts and most interesting urban areas. As with previous titles in the series, the book is richly illustrated with over 150 full-colour photographs and dozens of detailed maps. A summary table of walks indicating distances, facilities and highlights is included to help the reader find exactly the right walk for the occasion. Walking chapters: Around Nowra, Around Kangaroo Valley, Jervis Bay, Around Ulladulla and Further Afield.

History Revisited

Development of Life Skills and Professional Practice

Best Bush, Coast and Vollage Walks of the Shoalhaven

Multimedia Fundamentals, Volume 1

Proceedings of the Fourth International Conference on Microelectronics, Computing and Communication Systems

Computer Systems Design And Architecture, 2/E

As technology continues to expand and develop, the internet of things (IoT) is playing a progressive role in the infrastructure of electronics. The increasing amount of IoT devices, however, has led to the emergence of significant privacy and security challenges. Security and Privacy Issues in Sensor Networks and IoT is a collection of innovative research on the methods and applications of protection disputes in the internet of things and other computing structures. While highlighting topics that include cyber defense, digital forensics, and intrusion detection, this book is ideally designed for security analysts, IT specialists, software developers, computer engineers, industry professionals, academicians, students, and researchers seeking current research on defense concerns in cyber physical systems.

This book explains aspects of social networks, varying from development and application of new artificial intelligence and computational intelligence techniques for social networks to understanding the impact of social networks. Chapters 1 and 2 deal with the basic strategies towards social networks such as mining text from such networks and applying social network metrics using a hybrid approach; Chaps. 3 to 8 focus on the prime research areas in social networks: community detection, influence maximization and opinion mining. Chapter 9 to 13 concentrate on studying the impact and use of social networks in society, primarily in education, commerce, and crowd sourcing. The contributions provide a multidimensional approach, and the book will serve graduate students and researchers as a reference in computer science, electronics engineering, communications, and information technology.

Clouds are being positioned as the next-generation consolidated, centralized, yet federated IT infrastructure for hosting all kinds of IT platforms and for deploying, maintaining, and managing a wider variety of personal, as well as professional applications and services. Handbook of Research on Cloud Infrastructures for Big Data Analytics focuses exclusively on the topic of cloud-sponsored big data analytics for creating flexible and futuristic organizations. This book helps researchers and practitioners, as well as business entrepreneurs, to make informed decisions and consider appropriate action to simplify and streamline the arduous journey towards smarter enterprises. Not a new version - included warning for self signed X509 certificates - see section 5.2 This IBM® Redbooks® publication describes the concepts, architecture, and implementation of the IBM XIV® Storage System. The XIV Storage System is a scalable enterprise storage system that is based on a grid array of hardware components. It can attach to both Fibre Channel Protocol (FCP) and IP network Small Computer System Interface (iSCSI) capable hosts. This system is a good fit for clients who want to be able to grow capacity without managing multiple tiers of storage. The XIV Storage System is suited for mixed or random access workloads, including online transaction processing, video streamings, images, email, and emerging workload areas, such as Web 2.0 and cloud storage. The focus of this edition is on the XIV Gen3 running Version 11.5.x of the XIV system software, which brings enhanced value for the XIV Storage System in cloud environments. It offers multitenancy support, VMware vCloud Suite integration, more discrete performance classes, and RESTful API enhancements that expand cloud automation integration. Version 11.5 introduces support for three-site mirroring to provide high availability and disaster recovery. It also enables capacity planning through the Hyper-Scale Manager, mobile push notifications for real-time alerts, and enhanced security. Version 11.5.1 supports 6TB drives and VMware vSphere Virtual Volumes (VVOL). In the first few chapters of this book, we describe many of the unique and powerful concepts that form the basis of the XIV Storage System logical and physical architecture. We explain how the system eliminates direct dependencies between the hardware elements and the software that governs them. In subsequent chapters, we explain the planning and preparation tasks that are required to deploy the system in your environment by using the intuitive yet powerful XIV Storage Manager GUI or the XIV command-line interface. We also describe the performance characteristics of the XIV Storage System and present options for alerting and monitoring, including enhanced secure remote support. This book is for IT professionals who want an understanding of the XIV Storage System. It is also for readers who need detailed advice on how to configure and use the system.

Hybrid Intelligence for Social Networks

Albania

International Conference on Fiber Optics and Photonics.

An Open-Source Approach

*Trade Liberalization in Bangladesh**Digital Measurement Techniques*

This paper discusses the Financial System Stability Assessment report on Albania. The IMF report states that the Albanian economy is weak, macroeconomic imbalances are large, and the financial sector faces several risks. Capital-to-asset ratios are sizable, but banks hold large amounts of government bonds that expose banks to sizeable losses in case of a sovereign debt re-pricing and balance sheets have deteriorated as a result of a rapid increase of nonperforming loans (NPLs). The authorities have taken steps to reduce the existing stock of NPLs with technical assistance from the World Bank.

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.

This book introduces a modern approach to embedded system design, presenting software design and hardware design in a unified manner. It covers trends and challenges, introduces the design and use of single-purpose processors ("hardware") and general-purpose processors ("software"), describes memories and buses, illustrates hardware/software tradeoffs using a digital camera example, and discusses advanced computation models, controls systems, chip technologies, and modern design tools. For courses found in EE, CS and other engineering departments.

Number systems and codes; Sets, relations and lattices; Combinational logic; Switching algebra its applications; Minimization of switching functions; Logical design; Functional decomposition and symmetric functions; Threshold logic; Reliable design and fault diagnosis; Finite-state machines; Introduction to synchronous sequential circuits and iterative networks; Capabilities, minimization and transformation of sequential machines; Asynchronous sequential circuits; Structure of sequential machines; State-identification and fault-detection experiments; Memory, definiteness, and information losslessness of finite automata; Linear sequential machines; Finite-state recognizers; Index.

India's Rise as a Space Power

Personal Computing

Smart Technologies for Energy, Environment and Sustainable Development

A Soldier's Journey Through Life With Two Wives

IBM XIV Storage System Architecture and Implementation

Select Proceedings of ICSTEESD 2018

A Soldier's Journey through Life With Two Wives The reader joins the author in his "journey through Life" some times in 1935-36, following him through the simple ways of life in Western UP villages as perceived by a child of five and six, then to Delhi of yore and the small towns of the province. He feels the cultural shock of the move to Lucknow in the 50's and the freewheeling life in the university is introduced to the new concept of 'Love at Far Site. Next on to Indian Military Academy at Dehradun in the foothills of Shiwaliks with its dreaded Drill Square and the Obstacle Course, passing-out with the proud but shaky 2nd Lieutenant married to his new, but virtual wife; the Army, to face the pains of growing up in the post Independence Army, a blend of the British traditions and the Indian value system. Soon the reader is introduced with the new 'Babbler', post facing the young officer's Love at First Sight', feels the pangs of separation in married life and the author's mental agony due to the conflicting needs and demands of the two wives, one loving and demanding; the other just demanding. Moves with him in the battle ground on entering the 'Valley of Death' to soon face the uncertainties to life and limb, during the 1962 Sino-Indian Conflict, As the author climbs his career ladder, the reader has a chance to look at the intricacies of Command and Staff at Army HQ and the student instructor relationship in a service environment, so different from traditional institutions. The reader is saddened watching the author's trauma on being a helpless witness to his wife's tenacious fight with cancer, with his only partly successful efforts, to minimise her pains through the long struggle, culminating in her untimely demise, finally to sympathise with his efforts to cope with remorse, pain and guilt of living without her.

This book features selected papers presented at the Fourth International Conference on Nanoelectronics, Circuits and Communication Systems (NCCS 2018). Covering topics such as MEMS and nanoelectronics, wireless communications, optical communications, instrumentation, signal processing, the Internet of Things, image processing, bioengineering, green energy, hybrid vehicles, environmental science, weather forecasting, cloud computing, renewable energy, RFID, CMOS sensors, actuators, transducers, telemetry systems, embedded systems, and sensor network applications in mines, it offers a valuable resource for young scholars, researchers, and academics alike.

This book presents high-quality papers from the Fourth International Conference on Microelectronics, Computing & Communication Systems (MCCS 2019). It discusses the latest technological trends and advances in MEMS and nanoelectronics, wireless communication, optical communication, instrumentation, signal processing, image processing, bioengineering, green energy, hybrid vehicles, environmental science, weather forecasting, cloud computing, renewable energy, RFID, CMOS sensors, actuators, transducers, telemetry systems, embedded systems and sensor network applications. It includes papers based on original theoretical, practical and experimental simulations, development, applications, measurements and testing. The applications and solutions discussed here provide excellent reference material for future product development.

This book comprises select peer-reviewed papers from the International Conference on VLSI, Signal Processing, Power Electronics, IoT, Communication and Embedded Systems (VSPICE-2020). The book provides insights into various aspects of the emerging fields in the areas Electronics and Communication Engineering as a holistic approach. The various topics covered in this book include VLSI, embedded systems, signal processing, communication, power electronics and internet of things. This book mainly focuses on the most recent innovations, trends, concerns and practical challenges and their solutions. This book will be useful for academicians, professionals and researchers in the area of electronics and communications and electrical engineering.

Security and Privacy Issues in Sensor Networks and IoT

IEA International Computer and Information Literacy Study 2018 International Report

An Investigation Into Trends

MCCS 2019

Proceeding of NCCS 2018

Fundamentals Industrial Instrumentation

Meet Nishant, Suraj and Sachin, three "unlucky" guys. Finding themselves stuck in the thirty-fifth century B.C after being plunged by a near death experience into a time portal, their luck flips around. They find themselves trapped in a bloody conflict raging between two opposing dynasties. They stumble upon a dynastic princess and her new born baby and resolve to unite her with her prince from the opposing dynasty. During their quest, they must seek a time locator that could allow them to return to their own time but not before they discover fantastical weapons which give them various supernatural powers. Overseeing the evil in the world, a demonic sorcerer wields the blackest magic and destroys the whole dynastic army. Can the three stop him or will they, like the army, perish in the attempt? Will they be able to finally return to their own time? Can they overcome their bad luck or has destiny planned something else for them?

Special Features: · Discusses all important topics in 15 well-organized chapters. · Highlights a set of learning goals in the beginning of all chapters. · Substantiate all theories with solved examples to understand the topics. · Provides vast collections of problems and MCQs based on exam papers. · Lists all important formulas and definitions in tables in chapter summaries. · Explains Process Capability and Six Sigma metrics coupled with Statistical Quality Control in a full dedicated chapter. · Presents all important statistical tables in 7 appendixes. · Includes excellent pedagogy:- 177 figures- 69 tables- 210 solved examples - 248 problem with answers- 164 MCQs with answers About The Book: Probability and Statistics for Engineers is written for undergraduate students of engineering and physical sciences. Besides the students of B.E. and B.Tech., those pursuing MCA and MCS can also find the book useful. The book is equally useful to six sigma practitioners in industries. A comprehensive yet concise, the text is well-organized in 15 chapters that can be covered in a one-semester course in probability and statistics. Designed to meet the requirement of engineering students, the text covers all important topics, emphasizing basic engineering and science applications. Assuming the knowledge of elementary calculus, all solved examples are real-time, well-chosen, self-explanatory and graphically illustrated that help students understand the concepts of each topic. Exercise problems and MCQs are given with answers. This will help students well prepare for their exams.

Big Data Computing

CMOS Logic Circuit Design

Proceedings of ICICA 2019

Select Proceedings of VSPICE 2020

Nanoelectronics, Circuits and Communication Systems

Documenting Software Architectures