

Principle Of Communication Js Katre

Highlighting satellite and earth station design, links and communication systems, error detection and correction, and regulations and procedures for system modeling, integrations, testing, and evaluation, Satellite Communication Engineering provides a simple and concise overview of the fundamental principles common to information communications. It

An introductory treatment of communication theory as applied to the transmission of information-bearing signals with attention given to both analog and digital communications. Chapter 1 reviews basic concepts. Chapters 2 through 4 pertain to the characterization of signals and systems. Chapters 5 through 7 are concerned with transmission of message signals over communication channels. Chapters 8 through 10 deal with noise in analog and digital communications. Each chapter (except chapter 1) begins with introductory remarks and ends with a problem set. Treatment is self-contained with numerous worked-out examples to support the theory. · Fourier Analysis · Filtering and Signal Distortion · Spectral Density and Correlation · Digital Coding of Analog Waveforms · Intersymbol Interference and Its Cures · Modulation Techniques · Probability Theory and Random Processes · Noise in Analog Modulation · Optimum Receivers for Data Communication

This text prepares individuals through extended hands-on projects to pass the Networking Essentials certification exam #70-058. Additionally, the text

emphasizes the skills needed to become an effective network administrator. It's coverage is Microsoft certified and includes transcender.

The fourth edition of CMOS Digital Integrated Circuits: Analysis and Design continues the well-established tradition of the earlier editions by offering the most comprehensive coverage of digital CMOS circuit design, as well as addressing state-of-the-art technology issues highlighted by the widespread use of nanometer-scale CMOS technologies. In this latest edition, virtually all chapters have been re-written, the transistor model equations and device parameters have been revised to reflect the significant changes that must be taken into account for new technology generations, and the material has been reinforced with up-to-date examples. The broad-ranging coverage of this textbook starts with the fundamentals of CMOS process technology, and continues with MOS transistor models, basic CMOS gates, interconnect effects, dynamic circuits, memory circuits, arithmetic building blocks, clock and I/O circuits, low power design techniques, design for manufacturability and design for testability.

CMOS Digital Integrated Circuits

Advances in Computational Intelligence, Security and Internet of Things

Inventive Communication and Computational Technologies

Business Success through Sustainability

General Science for Competitive Exams - SSC/ Banking/ Railways/ Defense/ Insurance

Satellite Communication Engineering

The renowned communications theorist Robert Gallager brings his lucid writing style to the study of the fundamental system aspects of digital communication for a one-semester course for graduate students. With the clarity and insight that have characterized his teaching and earlier textbooks, he develops a simple framework and then combines this with careful proofs to help the reader understand modern systems and simplified models in an intuitive yet precise way. A strong narrative and links between theory and practice reinforce this concise, practical presentation. The book begins with data compression for arbitrary sources. Gallager then describes how to modulate the resulting binary data for transmission over wires, cables, optical fibers, and wireless channels. Analysis and intuitive interpretations are developed for channel noise models, followed by coverage of the principles of detection, coding, and decoding. The various concepts covered are brought together in a description of wireless communication, using CDMA as a case study.

Stemmatology studies aspects of textual criticism that use genealogical methods to analyse a set of copies of a text whose autograph has been lost. This handbook is the first to cover the entire field, encompassing both theoretical and practical aspects of traditional as well as modern digital methods and their history. As an art (*ars*), stemmatology's main goal is editing and thus presenting to the reader a historical text in the most satisfactory way. As a more abstract discipline (*scientia*), it is interested in the general principles of how texts change in the process of being copied. Thirty eight experts from

all of the fields involved have joined forces to write this handbook, whose eight chapters cover material aspects of text traditions, the genesis and methods of traditional "Lachmannian" textual criticism and the objections raised against it, as well as modern digital methods used in the field. The two concluding chapters take a closer look at how this approach towards texts and textual criticism has developed in some disciplines of textual scholarship and compare methods used in other fields that deal with "descent with modification". The handbook thus serves as an introduction to this interdisciplinary field.

Amplitude Modulation : Transmission and Reception
Principles of amplitude modulation - AM envelope, Frequency spectrum and bandwidth, Modulation index and Percent modulation, AM power distribution, AM modulator circuits- low-level AM modulator, Medium power AM modulator, AM transmitters-Low-level transmitters, High level transmitters, receiver parameters, AM reception - AM receivers - TRF, Super heterodyne receiver, Double conversion AM receivers.
Angle Modulation : Transmission and Reception
Angle modulation - FM and PM waveforms, Phase deviation and Modulation index, Frequency deviation, Phase and Frequency modulators and demodulators, Frequency spectrum of Angle - Modulated waves. Bandwidth requirements of Angle modulated waves, Commercial Broadcast band FM, Average power of an angle modulated wave, Frequency and Phase modulators, A direct FM transmitters, Indirect transmitters, Angle modulation Vs Amplitude modulation, FM receivers : FM demodulators, PLL FM demodulators,

FM noise suppression, Frequency versus Phase modulation. Digital Transmission and Data Communication Introduction, Pulse modulation, PCM - PCM sampling, Sampling rate, Signal to quantization noise rate, Companding - Analog and Digital - Percentage error, Delta modulation, Adaptive delta modulation, Differential pulse code modulation, Pulse transmission - ISI, Eye pattern, Data communication history, Standards, Data communication circuits, Data communication codes, Error control, Hardware, Serial and Parallel interfaces, Data modems, - Asynchronous modem, Synchronous modem, Low-speed modem, Medium and High speed modem, Modem control. Digital Communication Introduction, Shannon limit for information capacity, Digital amplitude modulation, Frequency shift keying, FSK bit rate and baud, FSK transmitter, BW consideration of FSK, FSK receiver, Phase shift keying - Binary phase shift keying - QPSK, Quadrature Amplitude modulation, Bandwidth efficiency, Carrier recovery - Squaring loop, Costas loop, DPSK. Spread Spectrum and Multiple Access Techniques Introduction, Pseudo-noise sequence, DS spread spectrum with coherent binary PSK, Processing gain, FH spread spectrum, Multiple access techniques - Wireless communication, TDMA and FDMA, Wireless communication systems, Source coding of speech for wireless communications.

Sustainable Entrepreneurship stands for a business driven concept of sustainability which focusses on increasing both social as well as business value - so called Shared Value. This book shows why and how this

unique concept has the potential to become the most recognised strategic management approach in our times. It aims to point out the opportunities that arise from putting sustainable entrepreneurship into practice. At the same time, this book is a wake-up call for all those companies and decision makers who underestimated Sustainable Entrepreneurship before or who are simply not aware of its greater dimension. Well structured chapters from different academic and business perspectives clearly outline how Sustainable Entrepreneurship contributes to solving the world's most challenging problems, such as Climate Change, Finance Crisis and Political Uncertainty, as well as to ensuring business success. The book provides a framework of orientation where the journey might go: What can a successful concept of SE look like? What are the key drivers for its realisation? What is the role of business in shaping the future of our society? The book also presents best practices and provides unique learnings as well as business insights from the international Sustainable Entrepreneurship Award (www.se-award.org). The Sustainable Entrepreneurship Award (short SEA) is an award for companies today who are thinking about tomorrow by making sustainable business practices an integral part of their corporate culture. Companies that receive the SEA are being recognised for the vision they have shown in combining economic and sustainable responsibility.

Digital Communications

Arts & Humanities Citation Index

Communication Systems

Systems, Modulation, and Noise : Solutions Manual Hands-On Projects for Networking Essentials Wireless Communications Fundamental & Advanced Concepts

This book gathers papers addressing state-of-the-art research in all areas of information and communication technologies and their applications in intelligent computing, cloud storage, data mining and software analysis. It presents the outcomes of the Fourth International Conference on Information and Communication Technology for Intelligent Systems, which was held in Ahmedabad, India. Divided into two volumes, the book discusses the fundamentals of various data analysis techniques and algorithms, making it a valuable resource for researchers and practitioners alike.

Wireless communication is one of the fastest growing fields in the engineering world today. Rapid growth in the domain of wireless communication systems, services and application has drastically changed the way we live, work and communicate. Wireless communication offers a broad and dynamic technological field, which has stimulated incredible excitements and technological advancements over last few decades. The expectations from wireless communication technology are increasing every day. This is placing enormous challenges to wireless system designers. Moreover, this has created an ever increasing demand for conceptually strong and well versed communication engineers who understand the wireless technology and its future possibilities. In recent years, significant progress in wireless

communication system design has taken place, which will continue in future. Especially for last two decades, the research contributions in wireless communication system design have resulted in several new concepts and inventions at remarkable speed. A text book is indeed required to offer familiarity with such developments and underlying concepts, to be taught in the classroom to future engineers. This is one of the motivations for writing this book. Practically no book can be up to date in this field, due to the fast ongoing research and developments. The new developments are announced almost every day. Teaching directly from the research papers in the classroom cannot build the necessary foundation. Therefore need for a textbook is unavoidable, which is integral to learning, and is an essential source to build the concept. The prime goal of this book is to cooperate in the learning process. This book discusses new cognitive informatics tools, algorithms and methods that mimic the mechanisms of the human brain which lead to an impending revolution in understating a large amount of data generated by various smart applications. The book is a collection of peer-reviewed best selected research papers presented at the International Conference on Data Intelligence and Cognitive Informatics (ICDICI 2020), organized by SCAD College of Engineering and Technology, Tirunelveli, India, during 8–9 July 2020. The book includes novel work in data intelligence domain which combines with the increasing efforts of artificial intelligence, machine learning, deep learning and cognitive science to study and develop a deeper understanding of the information

processing systems.

Three-dimensional (3D) immersive virtual worlds have been touted as being capable of facilitating highly interactive, engaging, multimodal learning experiences. Much of the evidence gathered to support these claims has been anecdotal but the potential that these environments hold to solve traditional problems in online and technology-mediated education—primarily learner isolation and student disengagement—has resulted in considerable investments in virtual world platforms like Second Life, OpenSimulator, and Open Wonderland by both professors and institutions. To justify this ongoing and sustained investment, institutions and proponents of simulated learning environments must assemble a robust body of evidence that illustrates the most effective use of this powerful learning tool. In this authoritative collection, a team of international experts outline the emerging trends and developments in the use of 3D virtual worlds for teaching and learning. They explore aspects of learner interaction with virtual worlds, such as user wayfinding in Second Life, communication modes and perceived presence, and accessibility issues for elderly or disabled learners. They also examine advanced technologies that hold potential for the enhancement of learner immersion and discuss best practices in the design and implementation of virtual world-based learning interventions and tasks. By evaluating and documenting different methods, approaches, and strategies, the contributors to *Learning in Virtual Worlds* offer important information and insight to both scholars and practitioners in the field.

An Engineering Approach Information and Communication Technology for Intelligent Systems

Digital and Analog Communication Systems

Analog Communication

Principles of Digital Communication

New edition of a text intended primarily for the undergraduate courses on the subject which are frequently found in electrical engineering curricula--but the concepts and techniques it covers are also of fundamental importance in other engineering disciplines. The book is structured to develop in parallel the methods of analysis for continuous-time and discrete-time signals and systems, thus allowing exploration of their similarities and differences. Discussion of applications is emphasized, and numerous worked examples are included. Annotation copyrighted by Book News, Inc., Portland, OR

Amplitude modulation and Angle modulation are discussed in first two chapters. AM, FM, analysis equations, modulators, detectors, transmission and reception are thoroughly presented. SSB, DSB, VSB, FDM are also discussed.□ Noise theory is given in third chapter. It includes random variables, probability, random processes and correlation functions. Noise factor, noise temperature and mathematical analysis of noise is presented.

Performance of modulation systems in the presence of noise is explained in fourth chapter. Figure of merit, capture effect and threshold effect are also presented. Last chapter presents information theory. Entropy information rate, discrete memoryless source, source coding, Shannon's theorems are also given in detail. Mutual information and channel capacity are also presented.

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There are eight chapters, useful appendix and solved question papers in the book. Basic digital communication, line codes and sampling methods are presented at the beginning. Digital pulse modulation techniques such as PCM, DPCM, DM, ADM are presented. Continuous wave digital modulation methods such as BPSK, DPSK, QPSK, QAM, BFSK and OOK are presented with mathematical analysis of modulators and receivers. Issues related to baseband transmission such as ISI, Nyquist pulse shaping criterion, optimum reception, matched filter and eye patterns are also discussed. Concepts of information theory such as discrete memoryless channels, mutual information, Shannon's theorems on source coding are also presented. Coding using linear block codes, cyclic codes and convolutional coding is also discussed. Secured communication using spread spectrum modulation is also discussed in detail.

Analog and Digital Communication
Signals & Systems

Principles of Communication Engineering

Power Electronics

The Scientist and Engineer's Guide to Digital Signal Processing

Inside the Mind of the Entrepreneur

Wireless communication is one of the fastest growing fields in the engineering world today. Rapid growth in the domain of wireless communication systems, services and application has drastically changed the way we live,

work and communicate. Wireless communication offers a broad and dynamic technological field, which has stimulated incredible excitements and technological advancements over last few decades. The expectations from wireless communication technology are increasing every day. This is placing enormous challenges to wireless system designers. Moreover, this has created an ever increasing demand for conceptually strong and well versed communication engineers who understand the wireless technology and its future possibilities. In recent years, significant progress in wireless communication system design has taken place, which will continue in future. Especially for last two decades, the research contributions in wireless communication system design have resulted in several new concepts and inventions at remarkable speed. A text book is indeed required to offer familiarity with such developments and underlying concepts, to be taught in the classroom to future engineers. This is one of the motivations for writing this book. Practically no book can be

up to date in this field, due to the fast ongoing research and developments. The new developments are announced almost every day. Teaching directly from the research papers in the classroom cannot build the necessary foundation. Therefore need for a textbook is unavoidable, which is integral to learning, and is an essential source to build the concept. The prime goal of this book is to cooperate in the learning process. This book is based on current research as well as classical text books in the field, and aims to provide in depth understanding on fundamental concepts, which form the basis of wireless communication and build the platform, on which current developments can be understood and future contributions can be made. This book is written in self-explanatory manner to facilitate critical thinking and to support self study. Special emphasis has been given in this book to systematically organize and present the wide domain of wireless communication technology. Extra care has been taken to present the contents and the concepts in user friendly way

to enable an easy understanding. Therefore the language of this book is made to make one feel, listening to a classroom lecture. This makes learning straight forward. Sometimes, the explanation could seem to be oversimplified, this is in order to support wide spectrum of readers as well as to clarify the hazy picture. A book of this kind, which addresses a fast developing technology, the frequent use of acronyms and abbreviations is almost inevitable. A care has been taken to spell the acronyms and abbreviations as frequently as practically suitable in the text. Besides, a list of acronyms and abbreviations has also been provided.

This book gathers selected papers presented at the Inventive Communication and Computational Technologies conference (ICICCT 2019), held on 29–30 April 2019 at Gnanamani College of Technology, Tamil Nadu, India. The respective contributions highlight recent research efforts and advances in a new paradigm called ISMAC (IoT in Social, Mobile, Analytics and

Cloud contexts). Topics covered include the Internet of Things, Social Networks, Mobile Communications, Big Data Analytics, Bio-inspired Computing and Cloud Computing. The book is chiefly intended for academics and practitioners working to resolve practical issues in this area.

This book presents a comprehensive process for visualization of interface metaphor for software. It is helpful in designing interactive user interfaces with magical super-affordances and definitive user experiences. As per the ancient Indian Vedic literature, metaphors are always conceived out of Vastu (entities having existence in our world). The visualization process given in the book shows how metaphorization could help in innovating highly experiential user interfaces, as one can create Avastu (non entities) by combining different objects and imaginative properties together. The main highlights of this process are selection and dissection of interface metaphor, pre-facto analysis, qualitative and quantitative evaluation, mapping between user and

application domain lexicons, specialized set of usability heuristics and remote usability testing. The steps of this process are integrated with the Software Development Life Cycle (SDLC). It shows the interdependence of form and function and its seamless fusion during software engineering. User experience designers can apply this process for designing websites, online applications, personal computer software, e-learning, computer games, virtual interactive worlds, public access systems, mobile and tablet applications.

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.

Devices, Drivers and Applications

Proceedings of ICICCT 2019

Handbook of Stemmatology

Design Planning and Applications

Analysis and Design

Wireless Communication-the fundamental and advanced concepts

The objective of FUNDAMENTALS OF MECHATRONICS is to cover both hardware and software aspects of mechatronics systems in a single text, giving a complete treatment to the subject matter.

The text focuses on application considerations and relevant practical issues that arise in the selection and design of mechatronics components and systems. The text uses several programming languages to illustrate the key topics. Different programming platforms are presented to give instructors the choice to select the programming language most suited to their course objectives. A separate laboratory book, with additional exercises is provided to give guided hands-on experience with many of the topics covered in the text. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Divided into four parts: circuits, electronics, digital systems, and electromagnetics, this text provides an understanding of the fundamental principles on which modern electrical engineering is based. It is suitable for a variety of electrical engineering courses, and can also be used as a text for an introduction to electrical engineering.

This book connects entrepreneurship and psychology research by focusing on the personality dimensions of entrepreneurs, entrepreneurial cognition, entrepreneurial leadership, and gender

behavior. It features state of the art interdisciplinary research offering a unified perspective on entrepreneurial psychology. Individual chapters address advances related to entrepreneurial intentions, complexity management, personality psychology, intrapreneurial behavior, entrepreneurial communities and demographic changes, among others. Laboratory experiments that study entrepreneurial behavior round out the coverage.

The book "General Sciences for Competitive Exams" contains specific topics in Science which form a part of most of the Competitive Exams. The book contains to the point theory followed by an exercise with solutions. The book covers a lot of questions from the past competitive exams. The book is a MUST for all SSC/ Banking/ Railways/ Defense/ Insurance Exam aspirants.

Sustainable Entrepreneurship

Principles and Practice

Visualization of Interface Metaphor for Software

Second International Conference, ICCISIoT 2019, Agartala, India, December 13–14, 2019, Proceedings

Communication Engineering Principles

An Introduction To Analog And Digital Communications

This book provides a cohesive introduction to much of the vast body of knowledge central to the problems of communication engineering.

Wireless Communication-the fundamental and advanced concepts
CRC Press

Communication / Pulse Modulation Block schematic of Communication System, Base Band Signals and their bandwidth requirements, RF Bands, Types and Communication Channels (Transmission

Lines, Parallel Wires, Co-axial Cables, Waveguides and Optical Fiber). Necessity of Modulation, Types of Modulation : AM, FM, PM and Pulse Modulation. Block schematic of PAM, PWM, PPM. Multiplexing : TDM, FDM. Amplitude Modulation Mathematical treatment and expression for AM, Frequency Spectrum, Modulation Index, Power Relation as applied to Sinusoidal Signals, Representation of AM wave, Mathematical treatment as applied to general signals in Communication, Generation of AM using non-linear property. Types of AM Transmitters DSB-FC, DSB-SC, SSB, ISB & VSB, their generation methods and Comparison in terms of Bandwidth and Transmission Power requirements & Complexity (Block diagram treatment only) Angle Modulation Mathematical analysis of FM and PM using Sinusoidal Signals, Frequency spectrum, Mathematical treatment as applied to general non-sinusoidal Signals, Modulation index, Bandwidth requirements (all three relations). Narrowband and Wideband FM, Comparison of FM and PM, Direct and Indirect methods of FM generation,

Need for Pre-emphasis, Comparison of AM and FM. AM & FM Receivers Block diagram of AM and FM receivers, Superheterodyne Receiver, Performance characteristics : Sensitivity, Selectivity, Fidelity, Image Frequency Rejection, IFRR, Tracking, De-emphasis, Mixers. AM Detection Envelope detection, Synchronous detection, Practical diode detection, AGC. SSB and DSB detection methods. FM Detection Phase discriminator and Ratio Detector, Mathematical analysis of FM Detection. Noise Sources of Noise, Types of Noise, White Noise, SNR, Noise Figure, Noise Temperature, Friis formula for Noise Figure, Noise Bandwidth, Performance of AM (DSB, SSB & VSB) and FM in presence of Noise : Mathematical treatment Radiation and Propagation Concept of Radiation, Basic Antenna System (Dipole), Antenna parameters, Yagi Antenna. Mechanism of Propagation : Ground Wave, Sky Wave, Space Wave, Duct, Tropospheric Scatter and Extraterrestrial Propagation. Concept of Fading and diversity reception.

Appropriate for Computer Networking or

Introduction to Networking courses at both the undergraduate and graduate level in Computer Science, Electrical Engineering, CIS, MIS, and Business Departments. Tanenbaum takes a structured approach to explaining how networks work from the inside out. He starts with an explanation of the physical layer of networking, computer hardware and transmission systems; then works his way up to network applications.

Tanenbaum's in-depth application coverage includes email; the domain name system; the World Wide Web (both client- and server-side); and multimedia (including voice over IP, Internet radio video on demand, video conferencing, and streaming media.

Optical Fiber Communications

Principles, Devices and Applications

Principles of Communication Systems

Basic Electrical and Electronics

Engineering:

Digital Electronics

Learning in Virtual Worlds

This volume constitutes the refereed proceedings of the Second International Conference on Computational Intelligence, Security and Internet of Things, ICCISIoT 2019, held in Agartala, India, in

December 2019. The 31 full papers and 6 short papers were carefully reviewed and selected from 153 submissions. The papers are organised according to the following topics: Computational Intelligence, Security, Internet of Things. Papers from the extended track are also presented in the volume.

For second and third year introductory communication systems courses for undergraduates, or an introductory graduate course. This revision of Couch's authoritative text provides the latest treatment of digital communication systems. The author balances coverage of both digital and analog communication systems, with an emphasis on design. Students will gain a working knowledge of both classical mathematical and personal computer methods to analyze, design, and simulate modern communication systems. MATLAB is integrated throughout.

For those seeking a thorough grounding in modern communication engineering principles delivered with unrivaled clarity using an engineering-first approach Communication Engineering Principles: 2nd Edition provides readers with comprehensive background information and instruction in the rapidly expanding and growing field of communication engineering. This book is well-suited as a textbook in any of the following courses of study: Telecommunication Mobile Communication Satellite Communication Optical Communication Electronics Computer Systems Primarily designed as a textbook for undergraduate programs, Communication Engineering Principles: 2nd Edition can also be highly valuable in a variety of MSc programs. Communication Engineering Principles grounds its readers in the core concepts and theory

required for an in-depth understanding of the subject. It also covers many of the modern, practical techniques used in the field. Along with an overview of communication systems, the book covers topics like time and frequency domains analysis of signals and systems, transmission media, noise in communication systems, analogue and digital modulation, pulse shaping and detection, and many others.

Tissue-specific stem cells have the capacity to self-renew and differentiate into several types of functional cells that replenish lost cells throughout an organism's lifetime. Studies on stem cells from diverse systems have shown that stem cell function is controlled by extracellular cues from the niche and by intrinsic genetic programs within the stem cell. The objectives of this book would be to review the molecular mechanisms that mediate the balanced response of stem cells to the needs of the organisms. Likewise, niches have also been linked to pathologies, by imposing aberrant function on stem cells or other targets. Therefore, the second objective of this book would be to highlight the molecular dysregulation of niche biology leading to the disease. The third objective would be to review the therapeutical targets described within stem cell niches.

Adult Stem Cell Niches

History, Methodology, Digital Approaches

Fundamentals of Mechatronics

Fundamentals of Electrical Engineering

Cognition, Personality Traits, Intention, and Gender Behavior

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This text succeeds in giving a practical introduction to the fundamentals, problems and techniques of the design and utilisation of optical fiber systems. This edition retains all core features, while incorporating recent improvements and developments in the field.

Basic Electrical and Electronics Engineering provides an overview of the basics of electrical and electronic engineering that are required at the undergraduate level. The book allows students outside electrical and electronics engineering to easily

Communication Theory

Research and Applications

Principles of Communications

Data Intelligence and Cognitive

Informatics

Computer Networks

Proceedings of ICDICI 2020