Rajesh Shukla Basic Computer Engineering

This well-organized textbook provides the design techniques of algorithms in a simple and straight forward manner. The book begins with a description of the fundamental concepts such as algorithm, functions and relations, vectors and matrices. Then it focuses on efficiency analysis of algorithms. In this unit, the technique of computing time complexity of the algorithm is discussed along with illustrative examples. Gradually, the text discusses various algorithmic strategies such as divide and conquer, dynamic programming, Greedy algorithm, backtracking and branch and bound. Finally the string matching algorithms and introduction to NP completeness is discussed. Each algorithmic strategy is explained in stepwise manner, followed by examples and pseudo code. Thus this book helps the reader to learn the analysis and design of algorithms in the most lucid way.
Theory of Computation offers comprehensive coverage of one of the most important subjects in the study of engineering and MCA. This book gives a detailed analysis of the working of different sets of models developed by computer scientists regarding computers and programs. It uses simple language and a systematic approach to explain the concepts, which are often considered rather difficult by students. A number of solved programs will further help the students in assimilating understanding of this important subject. A thorough perusal of this book will ensure success for students in the semester examinations. Key Features • In-depth analysis of different computational methods • Large number of solved programs for hands-on practice • Thorough coverage of additional and latest computational methods
The International Conference on Communication and Computing Systems (ICCCS 2018) provides a high-level international forum for researchers and recent advances in the field of electronic devices, computing, big data analytics, cyber security, quantum computing, biocomputing, telecommunication, etc. The aim of the conference was to bridge the gap between the technological advancements in the industry and the academic research.
Market_Desc: · General Readers· Students pertaining to B.E., MCA, PGDCA, and MSc degree courses of most Indian universities and training institute offering OOPS & C++· C++ professionals Special Features: · Covers the complete syllabus of various universities offering course on object oriented programming methodologies· Concepts are well illustrated through examples and tested programs· Multiple choice questions are included at the end of each chapter· Model question papers are also included· Theoretical part is supported with C++ implementation. The attached CD contains numerous tested and debugged programs· Strong emphasis is given on implementation and examples throughout the book About The Book: This book offers solid, effective and easy to understand approach to the study of fundamental Object Oriented Programming. The book is a boon for general readers, C++ Professionals, and students from both graduate and postgraduate courses in computer engineering, who are inquisitive to explore each and every aspect of OOPS and C++. It renders expansive information about a wide array of topics like C++, arrays, structures, unions, bit fields, functions, pointers, template, exception handling, file handling and graphics with numerous examples. The text comprises fourteen chapters and each chapter is further divided into modules of major topics. Each module has a uniform structured presentation starting with learning objective, declaration, implementation, example programs, operations, and types, summary, multiple choice sections, programming assignments, review questions followed by the solution of the programming assignments.
Proceedings of SCI-2018
Theory of Computation
How India Earns, Spends and Saves
Proceedings of CVR 2021
Advances in Computing and Data Sciences
The Culture of Science
Emerging Technologies in Computing
Similar to the way in which computer vision and computer graphics act as the dual fields that connect image processing in modern computer science, the field of image processing can be considered a crucial middle road between the vision and graphics fields. Research Developments in Computer Vision and Image Processing: Methodologies and Applications brings together various research methodologies and trends in emerging areas of application of computer vision and image processing. This book is useful for students, researchers, scientists, and engineers interested in the research developments of this rapidly growing field.
The book contains select proceedings of the 3rd International Conference on Data, Engineering, and Applications (IDEA 2021). It includes papers from experts in industry and academia that address state-of-the-art research in the areas of big data, data mining, machine learning, data science, and their associated learning systems and applications. This book will be a valuable reference guide for all graduate students, researchers, and scientists interested in exploring the potential of big data applications.
This book is written in very simple manner and is very easy to understand. It describes the theory with examples step by step. It contains the description of writing these steps in programs in very easy and understandable manner. The book gives full understanding of each therotical topic and easy implementaion in programming. This book will help the students in Self-Learning of Data structures and in understanding how these concepts are implemented in programs. This book is useful for any level of students. It covers the syllabus of B.E. ,B.Tech, DOEACC Society, IGNOU.
Emerging Technologies in Computing: Theory, Practice, and Advances reviews the past, current, and future needs of technologies in the computer science field while it also discusses the emerging importance of appropriate practices, advances, and their impact. It outlines emerging technologies and their principles, challenges, and applications as well as issues involved in the digital age. With the rapid development of technologies, it becomes increasingly important for us to remain up to date on new and emerging technologies. It draws a clear illustration for all those who have a strong interest in emerging computing technologies and their impacts on society. Features: Includes high-quality research work by academicians and industrial experts in the field of computing Offers case studies related to Artificial Intelligence, Blockchain, Internet of Things, Multimedia Big Data, Blockchain, Augmented Reality, Data Science, Robotics, Cybersecurity, 3D Printing, Voice Assistants and Chatbots, and Future Communication Networks Serves as a valuable reference guide for anyone seeking knowledge about where future computing is heading
Computer Vision and Robotics
Technological Challenges and Solutions
Volume 2
Proceedings of International Conference on Recent Trends in Machine Learning, IoT, Smart Cities and Applications
Blockchain Applications in IoT Security
OBJECT- ORIENTED PROGRAMMING IN C++ (With CD)
Formal Methods and Models for System Design
The book focuses on the integration of intelligent communication systems, control systems, and devices related to all aspects of engineering and sciences. It includes high-quality research papers from the 3rd international conference, ICICCD 2018, organized by the Department of Electronics, Instrumentation and Control Engineering at the University of Petroleum and Energy Studies, Dehradun on 21–22 December 2018. Covering a range of recent advances in intelligent communication, intelligent control and intelligent devices., the book presents original research and findings as well as researchers ' and industrial practitioners ' practical development experiences of.
"This book examines the role of blockchain technology in IoT generated data security issues"--
DATA MINING AND MACHINE LEARNING APPLICATIONS The book elaborates in detail on the current needs of data mining and machine learning and promotes mutual understanding among research in different disciplines, thus facilitating research development and collaboration. Data, the latest currency of today ' s world, is the new gold. In this new form of gold, the most beautiful jewels are data analytics and machine learning. Data mining and machine learning are considered interdisciplinary fields. Data mining is a subset of data analytics and machine learning involves the use of algorithms that automatically improve through experience based on data. Massive datasets can be classified and clustered to obtain accurate results. The most common technologies used include classification and clustering methods. Accuracy and error rates are calculated for regression and classification and clustering to find actual results through algorithms like support vector machines and neural networks with forward and backward propagation. Applications include fraud detection, image processing, medical diagnosis, weather prediction, e-commerce and so forth. The book features: A review of the state-of-the-art in data mining and machine learning, A review and description of the learning methods in human-computer interaction, Implementation strategies and future research directions used to meet the design and application requirements of several modern and real-time applications for a long time, The scope and implementation of a majority of data mining and machine learning strategies. A discussion of real-time problems. Audience Industry and academic researchers, scientists, and engineers in information technology, data science and machine and deep learning, as well as artificial intelligence more broadly.
The cultural authority of science is the authority that is granted to science in any particular context. This authority is as much a matter of image and perceived legitimacy as of statutory guarantee. However, while authority can be charismatic, based on tradition or based on competence, we would assume that science aims to be an authority of competence. To what extent does science have the last word, or stand above opinion on public issues? This Indo-European led collaboration aims to map the cultural authority of science, and to construct a system of indicators to observe this ' science culture ' based on artefacts (science news analysis) and espoused beliefs and evaluations (public attitude data). Indeed, through a series of studies the authors examine the cultural authority of science in light of the challenges posed by European, Asian, African and American developments and debates. In particular, two main ideas are examined: the ' Lighthouse ' model, whereby science is shining into a stormy sea of ignorance and mistrust; and the ' Bungee Jump ' model, which demonstrates how science occasionally experiences a rough ride against a backdrop of goodwill. Presenting expertise in discourse analysis, computer-assisted text analysis and largescale survey analysis, The Cultural Authority of Science will be of interest to a global audience concerned with the standing of science in society. In particular, it may appeal to scholars and students of fields such as sociology of science, science communication, science studies, scientometrics, innovation studies and social psychology.
Proceedings of the First International Conference on Computing, Communication and Control System, I3CAC 2021, 7-8 June 2021, Bharath University, Chennai, India
Unmasking the Real India
Mechanics
Proceedings of ICICCD 2018
International Conference on Innovative Computing and Communications
Proceedings of SoCTA 2018
Comparing across Europe, Asia, Africa and the Americas
This book gathers selected research papers presented at the International Conference on Recent Trends in Machine Learning, IOT, Smart Cities & Applications (ICMISC 2020), held on 29–30 March 2020 at CMR Institute of Technology, Hyderabad, Telangana, India. Discussing current trends in machine learning, Internet of things, and smart cities applications, with a focus on multi-disciplinary research in the area of artificial intelligence and cyber-physical systems, this book is a valuable resource for scientists, research scholars and PG students wanting formulate their research ideas and find the future directions in these areas. Further, it serves as a reference work anyone wishing to understand the latest technologies used by practicing engineers around the globe.
This book offers the first comparative account of the changes and stabilities of public perceptions of science within the US, France, China, Japan, and across Europe over the past few decades. The contributors address the influence of cultural factors; the question of science and religion and its influence on particular developments (e.g. stem cell research); and the demarcation of science from non-science as well as issues including the 'incommensurability' versus 'cognitive polyphasia' and the cognitive (in)tolerance of different systems of knowledge.
This two-volume set (CCIS 1045 and CCIS 1046) constitutes the refereed proceedings of the Third International Conference on Advances in Computing and Data Sciences, ICACDS 2019, held in Ghaziabad, India, in April 2019. The 112 full papers were carefully reviewed and selected from 621 submissions. The papers are centered around topics like advanced computing, data sciences, distributed systems organizing principles, development frameworks and environments, software verification and validation, computational complexity and cryptography, machine learning theory, database theory, probabilistic representations.
Industrial internet of things (IIoT) is changing the face of industry by completely redefining the way stakeholders, enterprises, and machines connect and interact with each other in the industrial digital ecosystem. Smart and connected factories, in which all the machinery transmits real-time data, enable industrial data analytics for improving operational efficiency, productivity, and industrial processes, thus creating new business opportunities, asset utilization, and connected services. IIoT leads factories to step out of legacy environments and arcane processes towards open digital industrial ecosystems. Innovations in the Industrial Internet of Things (IIoT) and Smart Factory is a pivotal reference source that discusses the development of models and algorithms for predictive control of industrial operations and focuses on optimization of industrial operational efficiency, rationalization, automation, and maintenance. While highlighting topics such as artificial intelligence, cyber security, and data collection, this book is ideally designed for engineers, manufacturers, industrialists, managers, IT consultants, practitioners, students, researchers, and industrial industry professionals.
Quantum Programming for Embedded Systems
Susu Alphabets Book
Soft Computing: Theories and Applications
Third International Conference, ICACDS 2019, Ghaziabad, India, April 12-13, 2019, Revised Selected Papers, Part II
Methodologies and Applications
First International Conference, BIOMESIP 2021, Meloneras, Gran Canaria, Spain, July 19-21, 2021, Proceedings
Technology and the Changing Face of Humanity
Market_Desc: Primary Market · Undergraduate I Year Engineering student of RGPV, Bhopal (More than 1 lac intake)Course: Basic Computer EngineeringCourse Code: B.E. - 205Secondary Market · Undergraduate first year students of various universities, such as · UPTU (ECS-101/ECS-201 : Computer Concepts and Programming in C) · UTU (Fundamentals of Computer & Programming) · PTU (CS-101 Fundaments of Computer Programming and Information Technology) · RTU (Computer Systems and Programming [104]) · GTU (Computer Programming and Utilization) · Anna (GE2112 Fundamentals of Computing and Programming) · JNTU (C Programming and Data Structures) · BPUT (BCSE 3101 PROGRAMMING IN C) · VTU (10CCP13/10CCP23 Computer Concepts and C Programming) · CSVTU (300224 Introduction to Computing) Special Features: · Completely covers the syllabus as a textbook for B.E. first year course Basic Computer Engineering , RGPV (Bhopal) and similar courses in other universities. · Single-handedly caters to the requirements of several engineering disciplines that have this course in their curriculum. · Explains programming in C++ in detail. · Covers operating systems such as Windows, DOS and UNIX; database management systems; data structures; algorithms and C++, without entering into the specifics of programming languages and complex technologies. · Makes liberal use of screenshots to show how the screen would look like after processing the command. · Has increased utility owing to the presence of a large number of examples and illustrations. · Covers programming assignments and experimental portions under specific chapters to take into account the practical nature of the course. · Contains appendices that introduce readers to emerging areas of research such as neural networks and fuzzy logic. · Provides model question papers for practicing questions based on the examination pattern. · Excellent pedagogy having: ü 160+ Figures ü 70+ Tables ü 40+ Programs with output ü 70+ Syntaxes and explanatory examples ü 220+ Objective questions ü 170+ Review questions ü 50+ Programming assignments. About The Book: This book helps in familiarizing students with the basic organization of the computer, and then moving on to study of the operating systems such as Windows, DOS and UNIX; database management systems; data structures; algorithms and C++, without entering into the specifics of programming languages and complex technologies. It provides an insight into the basics of computers as delineated by the syllabi of RGPV and various reputed Indian universities. This book is suitable for self-study because of clear explanation of the topics, uniformity in presentation, illustration of concepts through numerous examples; and chapters are laced with various screenshots to give an idea as to how the screen would look like while performing that particular step.
The text covers important algorithm design techniques, such as greedy algorithms, dynamic programming, and divide-and-conquer, and gives applications to contemporary problems. Techniques including Fast Fourier transform, KMP algorithm for string matching, CYK algorithm for context free parsing and gradient descent for convex function minimization are discussed in detail. The book's emphasis is on computational models and their effect on algorithm design. It gives insights into algorithm design techniques in parallel, streaming and memory hierarchy computational models. The book also emphasizes the role of randomization in algorithm design, and gives numerous applications ranging from data-structures such as skip-lists to dimensionality reduction methods.
This book constitutes the refereed proceedings of the First International Conference on Bioengineering and Biomedical Signal and Image Processing, BIOMESIP 2021, held in Meloneras, Gran Canaria, Spain, in July 2021. The 41 full and 5 short papers were carefully reviewed and selected from 121 submissions. The papers are grouped in topical issues on biomedical applications in molecular, structural, and functional imaging; biomedical computing; biomedical signal measurement, acquisition and processing; computerized medical imaging and graphics; disease control and diagnosis; neuroimaging; pattern recognition and machine learning for biosignal data; personalized medicine; and COVID-19.
Current Challenges and Management of Disease in the Elderly Population is a comprehensive insight into the diseases and their management in elderly population during ageing. The book provides information on the development in understanding, diagnosis and management of major diseases through biological and technological interventions. Non-communicable diseases currently infesting old age population will have a huge epidemiological burden on the health care system in near future. Middle- and high-income countries warrant sincere efforts to provide information on the current challenges and management of disease in elderly population in health care professionals and social organizations related to the health of society. The book is a holistic approach by international authors from different fields on major diseases, which are predominantly increasing at an alarming rate in old age population around the globe. The first chapter provides information on stem cells involved in the regulation of cell homeostasis by process of DNA-based methylation/demethylation and regulating gene expression involved in cell fate to undergo apoptosis. The second chapter emphasizes the immunological decline in innate and adaptive immunity in ageing cells, which leads to decreased activity of T-cell and T-regulatory cells. The third, fourth and fifth chapters deal with chronic diseases like Type 2 Diabetes mellitus based neuropathy, different bone diseases in old age and involvement of Vitamin D in women's bone health in elderly population. The problem of Type 2 Diabetes mellitus based neuropathy is the result of unattended or poor medical interventions, therefore emphasis on this problem and its prevention is dealt with in detail. Further disease like osteoporosis, Paget disease, and Arthritis, which are very common in old age population and deficiency of Vitamin D, calcium, phosphorous in elderly women after menopause, where estrogen based hormonal deabsorbtion of Vitamin D lead to poor bone health, is detailed from mechanism, diagnosis, current challenges and future perspective of preventions. Ageing eye problems and associated challenges are incorporated with in depth information on dry eyes and vitreous detachment, glaucoma, age-related macular degeneration, and diabetic retinopathy, which leads to irreversible visual impairment or blindness, the details information on detection, treatment and prevention are discussed in Chapter 6. The task of detecting specific diseases is paramount for the treatment of neurodegenerative disease. Chapter 7 and 8 on biomarkers using omics technology and metalobomics provides complete information on the recent development in identification and analysis of metabolites and biomolecules using different technology platforms to detect the disease condition at an early stage. They also highlight challenges in the field that need to be addressed to overcome the problem of disease diagnosis for timely intervention. The majority of neurodegenerative disorders influencing the population above the age of 65 is mainly related to neurodegeneration and oxidative stress. Tthe last two chapters, 9 and 10, of this book have tried to provide information related to mechanism of neurodegeneration in various neuronal disorders and the role of various plant flavanoids in prevention of disease onset, the effect on the choice of nutraceuticals and their role in brain heath and prevention from old age neuronal problems.
Proceedings of the 1st International Conference on Sustainable Waste Management through Design
Recent Trends in Communication and Electronics

Book-1 Calculus
Proceedings of ICICC 2020, Volume 1
IC_SWMD 2018

Electrical and Electronic Devices, Circuits, and Materials

The increasing demand for electronic devices for private and industrial purposes lead designers and researchers to explore new electronic devices and circuits that can perform several tasks efficiently with low IC area and low power consumption. In addition, the increasing demand for portable devices intensifies the call from industry to design sensor elements, an efficient storage cell, and large capacity memory elements. Several industry-related issues have also forced a redesign of basic electronic components for certain specific applications. The researchers, designers, and students working in the area of electronic devices, circuits, and materials sometimesneed standard examples with certain specifications. This breakthrough work presents this knowledge of standard electronic device and circuit design analysis, including advanced technologies and materials. This outstanding new volume presents the basic concepts and fundamentals behind devices, circuits, and systems. It is a valuable reference for the veteran engineer and a learning tool for the student, the practicing engineer, or an engineer from another field crossing over into electrical engineering. It is a must-have for any library.

This book presents a compilation of current trends, technologies, and challenges in connection with Big Data. Many fields of science and engineering are data-driven, or generate huge amounts of data that are ripe for the picking. There are now more sources of data than ever before, and more means of capturing data. At the same time, the sheer volume and complexity of the data have sparked new developments, where many Big Data problems require new solutions. Given its scope, the book offers a valuable reference guide for all graduate students, researchers, and scientists interested in exploring the potential of Big Data applications.

How India Earns, Spends and Saves maps the earning, spending and saving profiles of Indians in the post-liberalisation era. It studies how socio-economic, religious and individual characteristics lead to inequality in the incomes of households. Among other aspects of the problematique, it reveals that while a household's income is primarily dependent on socio-economic factors (occupation, education and age of its chief earner), its economic prosperity is impacted by factors like its spending and saving levels, sectors of employment of members, state of residence, and so on. The book is based on the results of the National Survey of Household Income and Expenditure (NSHIE) 2004–05, conducted under the aegis of the National Council for Applied Economics Research (NCAER). It not only offers valuable insights for economic analysts, policy makers, development professionals and academics, but the primary data of the survey also offers opportunities for further research.

Susu Alphabet book is an instruction tool that can be used in conjunction with the classroom or at home for kids. In book used real objects to right identification. In such that the teacher can use the cover of the booklet to introduce students to an individual. Use this book with kids who are learning and Start speak and identifying real worlds. This is best for first book for your child, book offers an engaging new way for children to discover and learn concepts of the alphabet. Kids learn by running their finger along large, letters and object they can explore each object on every study page.

SocProS 2018, Volume 2
How to Memorize Formulas in Mathematics
Arihant CBSE Term 1 English Language & Literature Sample Papers Questions for Class 10 MCQ Books for 2021 (As Per CBSE Sample Papers issued on 2 Sep 2021)
Select Proceedings of IDEA 2021
Data Structures Through C In Depth
Challenges and Intelligent Approach
Theory, Practice, and Advances

ABOUT THE BOOK Have you ever stayed up all the night trying to memorize formulas for your Mathematics examination but yet no changes? or Do you memorize a list of formulas today and forget almost everything about them the following day? or Does this seem to be the hardest aspect concerning learning Mathematics which is pulling you back instead of moving on? If the answer to any of the above questions is in affirmative, this book " How to Memorize Formulas in Mathematics is for you. This book is a part of two book series. Book-1: Calculus Book-2: Trigonometry You may be someone who hasn't practices the core math fundamentals taught in grade school due to lack of knowing the right formula to apply to a particular question, making it a bit complicated. Or maybe you're a college student who wants to memorize the basic and core formulas of Mathematics, or you're just a parent who wants to make sure that your kid becomes excellent at Mathematics and doesn't fall victim to the "Mathematics is a difficult syndrome." How do you figure out how to memorize your Mathematics formulas? Which formulas are hardest to understand? This book is a must for you because you will learn the Proven Strategies and Techniques needed to memorize the complete formula and its conditions that is vital to understand Mathematics (Calculus and Trigonometry in particular). In reality, Math isn't hard at all, all that's required is learning a few necessary steps to solve any given problem with the required formula, and that's what you'll learn in this book. This book will not only reveal you the entire secret to success in memorizing some of the essential formulas that you need to excel at Trigonometry but will also make you aware about some of the general methods and techniques to learn formulas in any branch of Mathematics or Physics. One of the most terrible things about learning math is keeping all the formulas you need straight in your head. Don't worry! The tricks in this book will teach you: - Using memorizing techniques that will help you recall formulas of Trigonometry. - Understand the derivation of some of the formulas, which will help you to be able to rebuild the formula. - How to maintain a balance memorizing-mental state so that all of your studying stays in your head! You'll be amazed at how much better you'll be at Calculus and Trigonometry (Math in general) after reading this book with the tricks shown in the book. Stop letting math frustrate you, get your copy today and let this book show you the key to learning and memorizing Trigonometry formula to eliminate the frustration in learning Trigonometry. Good luck with understanding math formulas!

This book presents a selection of revised and extended versions of the best papers from the First International Conference on Social Networking and Computational Intelligence (SCI-2018), held in Bhopal, India, from October 5 to 6, 2018. It discusses recent advances in scientific developments and applications in these areas.

'Downright revolutionary... the title is a major understatement... 'Quantum Programming' may ultimately change the way embedded software is designed.' -- Michael Barr, Editor-in-Chief, Embedded Systems Programming magazine (Click here

Perhaps nothing characterizes the inherent heterogeneity in embedded sys tems than the ability to choose between hardware and software implementations of a given system function. Indeed, most embedded systems at their core repre sent a careful division and design of hardware and software parts of the system To do this task effectively, models and methods are necessary functionality. to capture application behavior, needs and system implementation constraints. Formal modeling can be valuable in addressing these tasks. As with most engineering domains, co-design practice defines the state of the it seeks to add new capabilities in system conceptualization, mod art, though eling, optimization and implementation. These advances -particularly those related to synthesis and verification tasks -direct1y depend upon formal under standing of system behavior and performance measures. Current practice in system modeling relies upon exploiting high-level programming frameworks, such as SystemC, Esterel, to capture design at increasingly higher levels of ab straction and attempts to reduce the system implementation task. While raising the abstraction levels for design and verification tasks, to be really useful, these approaches must also provide for reuse, adaptation of the existing intellectual property (IP) blocks.

Intelligent Communication, Control and Devices
Innovations in the Industrial Internet of Things (IIoT) and Smart Factory
Research Developments in Computer Vision and Image Processing: Methodologies and Applications
Practical Statecharts in C/C++
BASIC COMPUTER ENGINEERING
Communication and Computing Systems
Proceedings of the 2nd International Conference on Communication and Computing Systems (ICCCS 2018), December 1-2, 2018, Gurgaon, India

I3CAC provides a premier interdisciplinary platform for researchers, practitioners and educators to present and discuss not only the most recent innovations, trends, and concerns but also practical challenges encountered and solutions adopted in the fields of computing, communication and control systems. Participation of three renowned speakers and oral presentations of the 128 authors were presented in our conference. We strongly believe that the I3CAC 2021 conference provides a good forum for all researchers, developers and practitioners to discuss.

The book focuses on soft computing and its applications to solve real-world problems in different domains, ranging from medicine and health care, to supply chain management, image processing and cryptanalysis. It includes high-quality papers presented at the International Conference on Soft Computing: Theories and Applications (SoCTA 2018), organized by Dr. B. R. Ambedkar National Institute of Technology, Jalandhar, Punjab, India. Offering significant insights into soft computing for teachers and researchers alike, the book inspires more researchers to work in the field of soft computing.

A philosophical examination of technology's growing influence. This pioneering collection explores the relationship between technology and free will. Rejecting the notion of technology as a neutral addition to our lives, the contributors examine the type and degree of our society's technological dependence. Technology is revealed as something from which we have, and will continue to have, difficulty separating ourselves, both as individuals and as a society. Without articulating a purely deterministic perspective, this collection illuminates the powerful influence technology has on our world and our perception of it.

Electronic Devices, Circuits, and Systems for Biomedical Applications: Challenges and Intelligent Approaches explains the latest information on the design of new technological solutions for low-power, high-speed efficient biomedical devices, circuits and systems. The book outlines new methods to enhance system performance, provides key parameters to explore the electronic devices and circuit biomedical applications, and discusses innovative materials that improve device performance, even for those with smaller dimensions and lower costs. This book is ideal for graduate students in biomedical engineering and medical informatics, biomedical engineers, medical device designers, and researchers in signal processing. Presents major design challenges and research potential in biomedical systems Walks readers through essential concepts in advanced biomedical system design Focuses on healthcare system design for low power-efficient and highly-secured biomedical electronics

Proceedings of the International Conference on Recent Trends in Communication and Electronics (ICCE-2020), Ghaziabad, India, 28-29 November, 2020
Susu Book
A Contemporary Perspective
Social Networking and Computational Intelligence
Current Challenges and Management of Diseases in the Elderly Population
How the Public Relates to Science Across the Globe
I3CAC 2021

This year has witness major changes in the field of academics; where CBSE's reduced syllabus was a pleasant surprise while the introduction of 2 Term exam pattern was little uncertain for students, parents and teachers as well. Now more than ever the Sample Papers have become paramount importance of subjects with the recent changes prescribed by the board. Give final punch to preparation for CBSE Term 1 examination with the all new edition of 'Sample Question Papers' that is designed as per CBSE Sample Paper that are issued on 02 Sept, 2021 for 2021 – 22 academic session. Encouraging with the motto of 'Keep Practicing, Keep Scoring', here's presenting Sample Question Paper – Applied English Literature & Language for Class 10th that consists of: 1. 10 Sample Papers along with OMR Sheet for quick revision of topics. 2. CBSE Question Bank are given for complete practice 3. One Day Revision Notes to recall the concepts a day before exam 4. Latest CBSE Sample Paper along with detailed answers are provided for better understanding of subject. TOC One Day Revision, CBSE Question Bank, Latest CBSE Sample Paper, Sample Paper (1- 10).

BASIC COMPUTER ENGINEERING

This book describes the latest advances, innovations and applications in the field of waste management and environmental geomechanics as presented by leading researchers, engineers and practitioners at the International Conference on Sustainable Waste Management through Design (IC_SWMD), held in Ludhiana (Punjab), India on November 2-3, 2018. Providing a unique overview of new directions, and opportunities for sustainable and resilient design approaches to protect infrastructure and the environment, it discusses diverse topics related to civil engineering and construction aspects of the resource management cycle, from the minimization of waste, through the eco-friendly re-use and processing of waste materials, the management and disposal of residual wastes, to water treatments and technologies. It also encompasses strategies for reducing construction waste through better design, improved recovery, re-use, more efficient resource management and the performance of materials recovered from wastes. The contributions were selected by means of a rigorous peer-review process and highlight many exciting ideas that will spur novel research directions and foster multidisciplinary collaboration among different waste management specialists.

This book consists of a collection of the high-quality research articles in the field of computer vision and robotics which are presented in the International Conference on Computer Vision and Robotics (CVR 2021), organized by BBD University Lucknow, India, during 7–8 August 2021. The book discusses applications of computer vision and robotics in the fields like medical science, defence, and smart city planning. The book presents recent works from researchers, academicians, industry, and policy makers.

Analysis and Design of Algorithms
Data, Engineering and Applications
Design and Analysis of Algorithms
Bioengineering and Biomedical Signal and Image Processing
Soft Computing for Problem Solving
Basic Computer Engineering Precise
Electronic Devices, Circuits, and Systems for Biomedical Applications

This two-volume book presents the outcomes of the 8th International Conference on Soft Computing for Problem Solving, SocProS 2018. This conference was a joint technical collaboration between the Soft Computing Research Society, Liverpool Hope University (UK), and Vellore Institute of Technology (India), and brought together researchers, engineers and practitioners to discuss thought-provoking developments and challenges in order to select potential future directions. The book highlights the latest advances and innovations in the interdisciplinary areas of soft computing, including original research papers on algorithms (artificial immune systems, artificial neural networks, genetic algorithms, genetic programming, and particle swarm optimization) and applications (control systems, data mining and clustering, finance, weather forecasting, game theory, business and forecasting applications). It offers a valuable resource for both young and experienced researchers dealing with complex and intricate real-world problems that are difficult to solve using traditional methods.

The Department of Electronics and Communication Engineering of KIET Group of Institutions, Delhi-NCR organized the 4th International Conference ICCE-2020 during November 28-29, 2020. Information compiled in this book is based on the 114 research papers of excellent quality covering different domains of Electronics and Communication Engineering, Computer Science Engineering, Information Technology, Electrical Engineering, Electronics and Instrumentation Engineering. The subject areas treated in the book are: Satellite, Radar and Microwave Techniques, Secure, Smart, and Reliable Networks, Next Generation Networks, Devices & Circuits, Signal & Image Processing, New Emerging Technologies, having the central focus on Recent Trends in Communication & Electronics (ICCE-2020). In addition, a few themes based on Special Sessions have also been conducted in ICCE-2020. The objective of the book resulting from the 4th International Conference on Recent Trends in Communication & Electronics (ICCE-2020) is to provide a resource for the study and research work for an interested audience comprising of researchers, students, audience, and practitioners in the areas of Communications & Computing Systems.

This book includes high-quality research papers presented at the Third International Conference on Innovative Computing and Communication (ICICC 2020), which is held at the Shaheed Sukhdev College of Business Studies, University of Delhi, Delhi, India, on 21–23 February, 2020. Introducing the innovative works of scientists, professors, research scholars, students and industrial experts in the field of computing and communication, the book promotes the transformation of fundamental research into institutional and industrialized research and the conversion of applied exploration into real-time applications.

Data Mining and Machine Learning Applications
The Cultural Authority of Science

A System Level Perspective
ICMISC 2020