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BASIC COMPUTER ENGINEERING-Sanjay Silakari 2011-02-01 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+ Figuresü 70+ Tablesü 40+ Programs with outputü 70+ Syntaxes and explanatory examplesü 220+ Objective questionsü 170+ Review questionsü 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. OBJECT-ORIENTED PROGRAMMING IN C++ (With CD)-Rajesh K. Shukla 2008-06-01 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. Data, Engineering and Applications-Rajesh Kumar Shukla 2019-04-24 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. Social Networking and Computational Intelligence-Rajesh Kumar Shukla 2020-03-21 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. The Cultural Authority of Science-Martin W Bauer 2018-09-24 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. Data, Engineering and Applications-Rajesh Kumar Shukla 2019-03-18 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. Research Developments in Computer Vision and Image Processing: Methodologies and Applications-Srivastava, Rajeev 2013-09-30 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 Cultural Authority of Science-Martin W Bauer 2018-09-24 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. Advances in Computing and Data Sciences-Mayank Singh 2019-07-19 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. Lichens to Biomonitor the Environment-Vertika Shukla 2013-08-23 The book embodies the detailed account about unique symbionts i.e. LICHENS in ecosystem monitoring. The first chapter deals with unique characteristics features of lichens which facilitate their survival in extreme climates and makes them an ideal organism for ecosystem monitoring. Biosynthesis of secondary metabolites are known to protect lichens against increasing environmental stresses therefore second chapter provides insight into various chromatographic and modern spectroscopic techniques involved in separation and characterization of lichen substances. The third chapter elaborates the criteria for selection of biomonitoring species and characters of host plant that influences lichen diversity and details about different lichen species utilized for biomonitoring. One can retrieve preliminary information about the air quality based on the lichen community structure and distribution of bioindicator species as lichen communities/indicator species provides valuable information about the natural/anthropogenic induced changes in the microclimate and land-use changes due to human activity. Therefore, for identification of species, a key to genera and species provides concise information to identify the lichen species based on their morphological and anatomical characters and chemicals present. Keys provided in Chapter 4 will help the beginners to identify some common lichen species based on the distribution in different climatic zones of India. The section also provides comprehensive information about the bioindicator communities and bioindicator species from India. Chapter 5 provides the details of factors affecting the ecosystem (natural as well as anthropogenic disturbances) and role of lichens in ecosystem monitoring in India has been discussed in detail. Chapter 6 discusses the need and utility of indicator species especially lichen biomonitoring data in sustainable forest management and conservation. The content about lichens in biomonitoring will be a valuable resource for researchers from different fields and will provide an essential reference for people interested in lichens and its role in ecosystem monitoring. The book will also hopefully popularize lichenological studies in India and will generate more active participation of lichen biomonitoring studies in management and conservation of natural resources in India. Communication and Computing Systems-B.M.K. Prasad 2019-10-22 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. Sunscreens-Rajesh P. Rastogi, Ph.d. 2018 Formal Methods and Models for System Design-Rajesh Gupta 2004-06-30 Perhaps nothing characterizes the inherent heterogeneity in embedded systems 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 -directly depend upon formal understanding 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. Theory Of Computation-Rajesh Shukla 2009-01-01 Theory of Computation is designed to serve as a textbook for a single-semester undergraduate course on formal languages and automata theory. The book introduces the reader to the fundamentals of theory of computation. Beginning with finite automata and regular grammars, the book goes on to discuss context-free grammars, push down automata, and Turing machines. Dedicated chapters on undecidability, Chomsky hierarchies and linear bound automata, and intractable problems make this a complete text on automata theory. Written in an easy-to-understand manner, the book includes a large number of solved examples which illustrate problem-solving methodology. Engineering Vibration, Communication and Information Processing-Kanad Ray 2018-10-30 This book discusses the revolution of cycles and rhythms that is expected to take place in different branches of science and engineering in the 21st century, with a focus on communication and information processing. It presents high-quality papers in vibration sciences, rhythms and oscillations, neurosciences, mathematical sciences, and communication. It includes major topics in engineering and structural mechanics, computer sciences, biophysics and biomathematics, as well as other related fields. Offering valuable insights, it also inspires researchers to work in these fields. The papers included in this book were presented at the 1st International Conference on Engineering Vibration, Communication and Information Processing (ICoEVC1-2018), India. Formal Methods and Models for System Design-Rajesh Gupta 2004-10-01 Perhaps nothing characterizes the inherent heterogeneity in embedded systems 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 -directly depend upon formal understanding of system behavior and performance measures. 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This book teaches physicians and surgeons what they need to know about clinical nutrition, metabolism and the metabolic effects of bariatric surgery. It is also applicable to those in primary care, including physicians, residents, medical students, nurses and nurse practitioners, physician assistants and dietitians who are on the front lines of treating patients with obesity, diabetes and cardiovascular disease. The book is presented in four sections: 1. An Overview of Metabolic Medicine and Surgery; 2. Metabolic Syndrome, Insulin Resistance and Obesity; 3. Diseases of Undernutrition and Absorption; 4. A Nutritional Relationship to Neurological Diseases. It contains chapters from world-renowned experts who are widely published in major medical journals. The book also benefits from the contributions of clinicians with extensive experience and perspective in the field, including many who have been witness to its major developments. This book's strength lies in the cross-specialty consensus created by the collaboration of the editors and further developed by their renowned contributors. It demonstrates how medicine, surgery, therapeutics, and nutrition can be combined synergistically to impact patient outcomes. It crystallizes the efforts of a multitude of physicians and scientists trying to control the linked pandemics of obesity, type-2 diabetes and cardiovascular disease. This book helps you develop comprehensive solutions to diseases afflicting vast numbers of patients worldwide. Power System Protection in Smart Grid Environment-Ramesh Bansal 2019-01-02 With distributed generation interconnection power flow becoming bidirectional, culminating in network problems, smart grids aid in electricity generation, transmission, substations, distribution and consumption to achieve a system that is clean, safe (protected), secure, reliable, efficient, and sustainable. This book illustrates fault analysis, fuses, circuit breakers, instrument transformers, relay technology, transmission lines protection setting using DIGsLENT Power Factory. Intended audience is senior undergraduate and graduate students, and researchers in power systems, transmission and distribution, protection system broadly under electrical engineering. Advances in Smart Grid and Renewable Energy-Sabyasachi SenGupta 2017-10-25 This volume comprises select proceedings of ETAEERE-2016. The volume offers state-of-the-art chapters on energy management systems (EMS), renewable energy resources, micro-generation, green communications architectures and frameworks, green computing and education as well as energy-aware process optimization. The contents covers a wide variety of topics and aspects including management of renewable energy systems and environmental challenges. The contents of this volume will be useful to researchers and practicing engineers working in the areas of smart grids and renewable energy generation, distribution, and management. Handbook of e-Business Security-João Manuel R.S. Tavares 2018-07-27 There are a lot of e-business security concerns. Knowing about e-business security issues will likely help overcome them. Keep in mind, companies that have control over their e-business are likely to prosper most. In other words, setting up and maintaining a secure e-business is essential and important to business growth. This book covers state-of-the-art practices in e-business security, including privacy, trust, security of transactions, big data, cloud computing, social network, and distributed systems. Data Structures Using C-Reema Thareja 2014-07-11 This second edition of Data Structures Using C has been developed to provide a comprehensive and consistent coverage of both the abstract concepts of data structures as well as the implementation of these concepts using C language. It begins with a thorough overview of the concepts of C programming followed by introduction of different data structures and methods to analyse the complexity of different algorithms. It then connects these concepts and applies them to the study of various data structures such as arrays, strings, linked lists, stacks, queues, trees, heaps, and graphs. The book utilizes a systematic approach wherein the design of each of the data structures is followed by algorithms of different operations that can be performed on them, and the analysis of these algorithms in terms of their running times. Each chapter includes a variety of end-chapter exercises in the form of MCQs with answers, review questions, and programming exercises to help readers testtheir knowledge. Proceedings of International Conference on Recent Advancement on Computer and Communication-Basant Tiwari 2018-04-18 The book is a compilation of best papers presented at International Conference on Recent Advancement in Computer and Communication (ICRAC 2017) organized by IMPLAB Research and Innovation Foundation, Bhopal, India. The book covers all aspects of computers and communication techniques including pervasive computing, distributed computing, cloud computing, sensor and adhoc network, image, text and speech processing, pattern recognition and pattern analysis, digital signal processing, digital electronics, telecommunication technologies, robotics, VLSI technologies, embedded system, satellite communication, digital signal processing, and digital communication. The papers included are original research works of experts from industry, government centers and academic institutions; experienced in engineering, design and research. COMPUTER BASICS AND C PROGRAMMING-V. RAJARAMAN 2008-08-19 This book introduces students to the basics of computers, software and internet along with how to program computers using the C language. It is intended for an introductory course that gives beginning engineering and science students a firm rooting in the fundamental principles of computers and information technology, and also provides invaluable insights into key concepts of computing through development of skills in programming and problem solving using C language. To this end, the book is eminently suitable for the first-year engineering students of all branches and MCA students, as per the prescribed syllabus of several universities. C is a difficult language to learn if it is not methodically introduced. The book explains C and its basic programming techniques in a way suitable for beginning students. It begins by giving students a solid foundation in algorithms to help them grasp the overall concepts of programming a computer as a problem-solving tool. Simple aspects of C are introduced first to enable students to quickly start writing programs. More difficult concepts in the latter parts of the book, such as pointers and their use, have been presented in an accessible manner making the learning of C an exciting and interesting experience. The methodology used is to illustrate each new concept with a program and emphasize a good style in programming to allow students to gain sufficient skills in problem solving. KEY FEATURES Self-contained introduction to both computers and programming for beginners All important features of C illustrated with over 100 examples Good style in programming emphasized Laboratory exercises on applications of MS Office, namely, Word processing, Spreadsheet, PowerPoint are included. Architecture + Design- 1991 Comprehensive Dissertation Index- 1989 Advanced Informatics for Computing Research-Ashish Kumar Luhach 2018-12-12 This two-volume set (CCIS 955 and CCIS 956) constitutes the refereed proceedings of the Second International Conference on Advanced Informatics for Computing Research, ICAICR 2018, held in Shimla, India, in July 2018. The 122 revised full papers presented were carefully reviewed and selected from 427 submissions. The papers are organized in topical sections on computing methodologies; hardware; information systems; networks; security and privacy; computing methodologies. Nanobiotechnology-Alok Dhawan 2018-03-26 This book combines the contributions from the experts of material science, molecular biology, toxicology bio-organic and bio-inorganic chemistry, toxicologists and environmental and food technology etc. to fathom the full scope of current and future of developments in the area of Nanobiotechnology. Provides brief overview of nanobiotechnology for general readers who are not familiar with the research fields and presents a strong overview of most of the critical areas in field This book can also be used as text book for graduate students as an essential reference material, and as an reading material for general readers having a curiosity in Nanobiotechnology. Iron Ores and Iron Oxide Materials-Voldymyr Shatokha 2018-07-11 This book provides the multidisciplinary reading audience with a comprehensive state-of-the-art overview of research and innovations in the relationship between iron ores and iron ore materials. The book covers industrial sectors dealing with exploration and processing of iron ores as well as with advanced applications for iron ore materials and therefore entails a wide range of research fields including geology, exploration, beneficiation, agglomeration, reduction, smelting, and so on, thus encouraging life cycle thinking across the entire production chain. Iron remains the basis of modern civilization, and our sustainable future deeply depends upon our ability to satisfy the growing demand for iron and steel while decoupling hazardous emissions from economic growth. Therefore, environmental sustainability aspects are also broadly addressed. In response to socioeconomic and climatic challenges, the iron ore sector faces, this book delivers a vision for the new opportunities linked to deployment of the best available, innovative and breakthrough technologies as well as to advanced material applications. Computer Organization & Architecture 7e-Stallings 2008-02 Strawberries-R M Sharma 2019-07-25 This book provides unparalleled integration of fundamentals and most advanced management to make this strawberry crop highly remunerative besides enhancing per capita availability of fruit even in the non-traditional regions of the world. Emerging Research in Electronics, Computer Science and Technology-V Sridhar 2013-09-13 PES College of Engineering is organizing an International Conference on Emerging Research in Electronics, Computer Science and Technology (ICERECT-12) in Mandya and merging the event with Golden Jubilee of the Institute. The Proceedings of the Conference presents high quality, peer reviewed articles from the field of Electronics, Computer Science and Technology. The book is a compilation of research papers from the cutting-edge technologies and it is targeted towards the scientific community actively involved in research activities. Technology and the Changing Face of Humanity-Richard Feist 2010 A philosophical examination of technology's influence. It explores the relationship between technology and free will. Rejecting the notion of technology as a neutral addition to our lives, it also examines the type and degree of our society's technological dependence. Advances in Computational and Bio-Engineering-S. Jyothi 2020-08-07 This book gathers state-of-the-art research in computational engineering and bioengineering to facilitate knowledge exchange between various scientific communities. Computational engineering (CE) is a relatively new discipline that addresses the development and application of computational models and simulations often coupled with high-performance computing to solve complex physical problems arising in engineering analysis and design in the context of natural phenomena. Bioengineering (BE) is an important aspect of computational biology, which aims to develop and use efficient algorithms, data structures, and visualization and communication tools to model biological systems. Today, engineering approaches are essential for biologists, enabling them to analyse complex physiological processes, as well as for the pharmaceutical industry to support drug discovery and development programmes. Forest Biomass and Carbon-Gopal Shukla 2018-11-14 Forests grow and their biomass increases; they absorb carbon from the atmosphere and store it in plant tissue. Understanding the biomass of forest vegetation is essential for determining the storage of carbon in the dominant tree component and computing carbon cycling at a regional as well as global level. This book consisting of five chapters will give a comprehensive understanding of biomass production vis-à-vis carbon storage in relation to litter and nutrient dynamics of the forest by analyzing the mode and magnitude of biomass production and carbon storage as a function of various silvicultural factors. Proceedings of 2nd International Conference on Communication, Computing and Networking-C. Rama Krishna 2018-09-07 The book provides insights from the 2nd International Conference on Communication, Computing and Networking organized by the Department of Computer Science and Engineering, National Institute of Technical Teachers Training and Research, Chandigarh, India on March 29-30, 2018. The book includes contributions in which researchers, engineers, and academicians as well as industrial professionals from around the globe presented their research findings and development activities in the field of Computing Technologies, Wireless Networks, Information Security, Image Processing and Data Science. The book provides opportunities for the readers to explore the literature, identify gaps in the existing works and propose new ideas for research. Contemporary Computing-Sanjay Ranka 2009-08-19 This book constitutes the refereed papers of the 2nd International Conference on Contemporary Computing, which was held in Noida (New Delhi), India, in August 2009. The 61 revised full papers presented were carefully reviewed and selected from 213 submissions and focus on topics that are of contemporary interest to computer and computational scientists and engineers. The papers are organized in topical sections on Algorithms, Applications, Bioinformatics, and Systems. Advances in Computer and Computational Sciences-Sanjiv K. Bhatia 2017-05-25 Exchange of information and innovative ideas are necessary to accelerate the development of technology. With advent of technology, intelligent and soft computing techniques came into existence with a wide scope of implementation in engineering sciences. Keeping this ideology in preference, this book includes the insights that reflect the 'Advances in Computer and Computational Sciences' from upcoming researchers and leading academicians across the globe. It contains high-quality peer-reviewed papers of 'International Conference on Computer, Communication and Computational Sciences (ICCCCS 2016), held during 12-13 August, 2016 in Ajmer, India. These papers are arranged in the form of chapters. The content of the book is divided into two volumes that cover variety of topics such as intelligent hardware and software design, advanced communications, power and energy optimization, intelligent techniques used in internet of things, intelligent image processing, advanced software engineering, evolutionary and soft computing, security and many more. This book helps the perspective readers' from computer industry and academia to derive the advances of next generation computer and communication technology and shape them into real life applications. Networking Communication and Data Knowledge Engineering-Gregorio Martinez Perez 2017-11-02 Data science, data engineering and knowledge engineering requires networking and communication as a backbone and have wide scope of implementation in engineering sciences. Keeping this ideology in preference, this book includes the insights that reflect the advances in these fields from upcoming researchers and leading academicians across the globe. It contains high-quality peer-reviewed papers of 'International Conference on Recent Advancement in Computer, Communication and Computational Sciences (ICRACCCS 2016)', held at Janardan Rai Nagar Rajasthan Vidyapeeth University, Udaipur, India, during 25-26 November 2016. The volume covers variety of topics such as Advanced Communication Networks, Artificial Intelligence and Evolutionary Algorithms, Advanced Software Engineering and Cloud Computing, Image Processing and Computer Vision, and Security. The book will help the perspective readers from computer industry and academia to derive the advances of next generation communication and computational technology and shape them into real life applications. Computational Science and Engineering-Arpan Deyasi 2016-12-19 Computational Science and Engineering contains peer-reviewed research presented at the International Conference on Computational Science and Engineering (RCC Institute of Information Technology, Kolkata, India, 4-6 October 2016). The contributions cover a wide range of topics: - electronic devices - photonics - electromagnetics - soft computing - artificial intelligence - modern communication systems Focussing on strong theoretical and methodological approaches and applications, Computational Science and Engineering will be of interest to academia and professionals involved or interested in the above mentioned domains.

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