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Engineering Mathematics - Ii A. Ganeshi 2009 About the Book: This book Engineering Mathematics-II is designed as a self-contained, comprehensive classroom text for the second semester B.E. Classes of Visveswararajah Technological University as per the Revised new Syllabus. The topics included are Differential Calculus, Integral Calculus and Vector Integration, Differential Equations and Laplace Transforms. The book is written in a simple way and is accompanied with explanatory figures. All this make the students enjoy the subject while they learn. Inclusion of selected exercises and problems make the book educational in nature. It shou.

Programming .NET Components Juval Lowy 2005-07-27 'Programming .NET Components', second edition, updated to cover .NET 2.0., introduces the Microsoft .NET Framework for building components on Windows platforms. From its many lessons, tips, and guidelines, readers will learn how to use the .NET Framework to program reusable, maintainable, and robust components.

Silica-based Organic-inorganic Hybrid Nanomaterials: Synthesis, Functionalization And Applications In The Field Of Catalysis Rakesh Kumar Sharma 2019-11-05 Currently the field of nanocatalysis is undergoing many exciting developments and the design of silica-based organic-inorganic hybrid nanocatalysts is a key focus of the researchers working in this field. This book aims to present a succinct overview of the recent research progress directed towards the fabrication of silica-based organic-inorganic hybrid catalytic systems encompassing the key advantages of silica nanoparticles and silica-coated magnetic nanoparticles in an integrated manner. Featuring comprehensive descriptions of almost all approaches utilized for the synthesis of nanomaterials including some latest techniques such as flow and microwave-assisted synthesis that enable large-scale synthesis, it proves useful not only to academics but also industrialists. It also includes a systematic discussion on the vital characterization techniques employed for authenticating the structure of these. The title also offers an enormous amount of knowledge about the fusion of nanotechnology with green chemistry that strives to meet the scientific challenges of protecting human health and the environment.

Understanding Engineering Mathematics John Bird 2013-11-20 Studying engineering, whether it is mechanical, electrical or civil relies heavily on an understanding of mathematics. This new textbook clearly

demonstrates the relevance of mathematical principles and shows how to apply them to solve real-life engineering problems. It deliberately starts at an elementary level so that students who are starting from a low knowledge base will be able to quickly get up to the level required. Students who have not studied mathematics for some time will find this an excellent refresher. Each chapter starts with the basics before gently increasing in complexity. A full outline of essential definitions, formulae, laws and procedures are introduced before real world situations, practicals and problem solving demonstrate how the theory is applied. Focusing on learning through practice, it contains examples, supported by 1,600 worked problems and 3,000 further problems contained within exercises throughout the text. In addition, 34 revision tests are included at regular intervals. An interactive companion website is also provided containing 2,750 further problems with worked solutions and instructor materials

Handbook of Research on Diverse Applications of Nanotechnology in Biomedicine, Chemistry, and Engineering

Soni, Shivani 2014-08-31 As a paradigm for the future, micro-scale technology seeks to fuse revolutionary concepts in science and engineering and then translate it into reality. Nanotechnology is an interdisciplinary field that aims to connect what is seen with the naked eye and what is unseen on the molecular level. The Handbook of Research on Diverse Applications of Nanotechnology in Biomedicine, Chemistry, and Engineering examines the strengths and future potential of micro-scale technologies in a variety of industries. Highlighting the benefits, shortcomings, and emerging perspectives in the application of nano-scale technologies, this book is a comprehensive reference source for synthetic chemists, engineers, graduate students, and researchers with an interest in the multidisciplinary applications, as well as the ongoing research in the field.

Wasted in Engineering Prabhu Swaminathan 2019-06-03 'Engineering padicha nalla future – If you study engineering, you will have a good future.' This is a claim often repeated to children and teenagers by parents and teachers in many parts of India. But only those who have gone through an engineering college life know that it's not completely true. There is a difference between calling yourself as an engineering graduate and an engineer. India produces millions of engineering graduates like you and me but only very few of us are actual engineers. Many of us just graduate with an engineering degree, with an artistic dream in mind. What do you think is the difference between engineers in many countries around the world and engineers from India? In other countries, if David Pascal studied electrical engineering in college, few years later you can find him working as an electrical engineer. In India, if Ram Krishnamurthy studied electrical engineering, few years later you can find him working in a completely irrelevant field like software coding, banking, photography and even movie directing. This book is not about the few engineering students in your class who love engineering. I don't hate them. In fact, I am very jealous that they study what they love. This book is about the majority of engineering graduates whose lives are wasted in engineering and is intended to tell you why you should make an attempt in pursuing your real passion, instead of being suffocated under the weight of an engineering degree. This is a story of India's Youth. Welcome to India, the land of Wasted Engineers.

Meri Priya Kahaniyan

Web Semantics Sarika Jain 2021-03-27 Web Semantics strengthen the description of web resources to exploit them better and make them more meaningful for both humans and machines, thereby contributing to the development of a knowledgeintensive data web. The world is experiencing the movement of concept from data to knowledge and the movement of web from document model to data model. The underlying idea is making the data machine understandable and processable. In the light of these trends, conciliation of Semantic and the Web is of paramount importance for further progress in the area. *Web Semantics: Cutting Edge and Future Directions in Healthcare* describes the three major components of the study of Semantic Web, namely Representation, Reasoning, and Security with a special focus on the healthcare domain. This book summarizes the trends and current research advances in web semantics, emphasizing the existing tools and techniques, methodologies, and research solutions. It provides easily comprehensible information on Web Semantics including semantics for data and semantics for services. Presents a comprehensive examination of the emerging research in areas of the semantic web, including ontological engineering, semantic annotation, reasoning and intelligent processing, semantic search paradigms, semantic web mining, and semantic sentiment analysis Helps readers understand key concepts in semantic web applications for biomedical engineering and healthcare, including mapping disparate knowledge bases, security issues, multilingual semantic web, and integrating databases with knowledge bases Includes coverage of key application areas of the semantic web, including clinical decision-making, biodiversity science, interactive healthcare, intelligent agent systems, decision support systems, and clinical natural language processing

Megacities and Rapid Urbanization: Breakthroughs in Research and Practice Management Association, Information Resources 2019-07-05 As the global population continues to increase, it has become necessary to find ways to handle this increase through various policy tools that address population growth and urbanization problems. The urbanization process has both potential issues and opportunities that need to be exploited to move societies forward. *Megacities and Rapid Urbanization: Breakthroughs in Research and Practice* examines trends, challenges, issues, and strategies related to population growth and rapid urbanization and its impact on urban environments. The book also explores the use of different governance approaches in addressing challenges and different tools and systems of appropriate allocation to address issues. This publication is an ideal reference source for academicians, students, practitioners, professionals, managers, urban planners, and government officials.

Soft Computing in Data Analytics Janmenjoy Nayak 2018-08-21 The volume contains original research findings, exchange of ideas and dissemination of innovative, practical development experiences in different fields of soft and advance computing. It provides insights into the International Conference on Soft Computing in Data Analytics (SCDA). It also concentrates on both theory and practices from around the world in all the areas of related disciplines of soft computing. The book provides rapid dissemination of important results in soft computing technologies, a fusion of research in fuzzy logic, evolutionary computations, neural science and neural network systems and chaos theory and chaotic systems, swarm based algorithms, etc. The book aims to cater the postgraduate students and researchers working in the discipline of computer science and engineering along with other engineering branches.

Introduction to Embedded Systems, Second Edition Edward Ashford Lee 2017-01-06 An introduction to the engineering principles of embedded systems, with a focus on modeling, design, and analysis of cyber-physical systems. The most visible use of computers and software is processing information for human consumption. The vast majority of computers in use, however, are much less visible. They run the engine, brakes, seatbelts, airbag, and audio system in your car. They digitally encode your voice and construct a radio signal to send it from your cell phone to a base station. They command robots on a factory floor, power generation in a power plant, processes in a chemical plant, and traffic lights in a city. These less visible computers are called embedded systems, and the software they run is called embedded software. The principal challenges in designing and analyzing embedded systems stem from their interaction with physical processes. This book takes a cyber-physical approach to embedded systems, introducing the engineering concepts underlying embedded systems as a technology and as a subject of study. The focus is on modeling, design, and analysis of cyber-physical systems, which integrate computation, networking, and physical processes. The second edition offers two new chapters, several new exercises, and other improvements. The book can be used as a textbook at the advanced undergraduate or introductory graduate level and as a professional reference for practicing engineers and computer scientists. Readers should have some familiarity with machine structures, computer programming, basic discrete mathematics and algorithms, and signals and systems.

Big Data in Engineering Applications Sanjiban Sekhar Roy 2018-05-02 This book presents the current trends, technologies, and challenges in Big Data in the diversified field of engineering and sciences. It covers the applications of Big Data ranging from conventional fields of mechanical engineering, civil engineering to electronics, electrical, and computer science to areas in pharmaceutical and biological sciences. This book consists of contributions from various authors from all sectors of academia and industries, demonstrating the imperative application of Big Data for the decision-making process in sectors where the volume, variety, and velocity of information keep increasing. The book is a useful reference for graduate students, researchers and scientists interested in exploring the potential of Big Data in the application of engineering areas.

Design based Research Kirat Pal Singh Author Impact

Design Data Handbook for Mechanical Mahadevan K. 1998

Biometrics: Concepts, Methodologies, Tools, and Applications Management Association, Information Resources 2016-08-30 Security and authentication issues are surging to the forefront of the research realm in global society. As technology continues to evolve, individuals are finding it easier to infiltrate various forums and facilities where they can illegally obtain information and access. By implementing biometric authentications to these forums, users are able to prevent attacks on their privacy and security. *Biometrics: Concepts, Methodologies, Tools, and Applications* is a multi-volume publication highlighting critical topics related to access control, user identification, and surveillance technologies. Featuring emergent research on the issues and challenges in security and privacy, various forms of user authentication, biometric applications to image processing and computer vision, and security applications within the field, this publication is an ideal reference source for researchers, engineers, technology developers, students, and security specialists.

ICCCE 2021 Amit Kumar 2022-06-16 This book is a collection of research articles presented at the 4th International Conference on Communications and Cyber-Physical Engineering (ICCCE 2021), held on April 9 and 10, 2021, at CMR Engineering College, Hyderabad, India. ICCCE is one of the most prestigious conferences conceptualized in the field of networking and communication technology offering in-depth information on the latest developments in voice, data, image, and multimedia. Discussing the latest developments in voice and data communication engineering, cyber-physical systems, network science, communication software, image, and multimedia processing research and applications, as well as communication technologies and other related technologies, it includes contributions from both academia and industry. This book is a valuable resource for scientists, research scholars, and PG students working to formulate their research ideas and find the future directions in these areas. Further, it may serve as a reference work to understand the latest engineering and technologies used by practicing engineers in the field of communication engineering.

Advanced Treatment Techniques for Industrial Wastewater Hussain, Athar 2018-07-20 A heavy backlog of gaseous, liquid, and solid pollution has resulted from a lack of development in pollution control. Because of this, a need for a collection of original research in water and wastewater treatment, industrial waste management, and soil and ground water pollution exists. *Advanced Treatment Techniques for Industrial Wastewater* is an innovative collection of research that covers the different aspects of environmental engineering in water and wastewater treatment processes as well as the different techniques and systems for pollution management. Highlighting a range of topics such as agriculture pollution, hazardous waste management, and sewage farming, this book is an important reference for environmental engineers, waste authorities, solid waste management companies, landfill operators, legislators, environmentalists, and academicians seeking research on waste management.

The Book: Legend of Shivani Varsha Gogte-Deopujari 2012-09-01 *The Book_Legend of Shivani*. Fantasy-fiction novel.

Handbook of Research on Innovative Management Using AI in Industry 5.0 Garg, Vikas 2021-11-19 There is no industry left where artificial intelligence is not used in some capacity. The application of this technology has already stretched across a multitude of domains including law and policy; it will soon permeate areas beyond anyone's imagination. Technology giants such as Google, Apple, and Facebook are already investing their money, effort, and time toward integrating artificial intelligence. As this technology continues to develop and expand, it is critical for everyone to understand the various applications of artificial intelligence and its full potential. *The Handbook of Research on Innovative Management Using AI in Industry 5.0* uncovers new and innovative features of artificial intelligence and how it can help in raising economic efficiency at both micro and macro levels and provides a deeper understanding of the relevant aspects of artificial intelligence impacting efficacy for better output. Covering topics such as consumer behavior, information technology, and personalized banking, it is an ideal resource for researchers, academicians, policymakers, business professionals, companies, and students.

Emerging Carbon-Based Nanocomposites for Environmental Applications Ajay Kumar Mishra 2020-10-28 The

12 chapters comprehensively cover the development and advances on emerging carbon-based nanocomposites for wastewater applications and discuss the following topics: The emerging carbon-based nanocomposites for remediation of heavy metals and organic pollutants from wastewater; Functional green carbon nanocomposites for heavy-metal treatment in water; Green nanocomposites and their applications in environmentally-friendly carbon nanomaterials; Carbon-based nanocomposites as heterogeneous catalysts for organic reactions in environment-friendly solvents; Carbonaceous nanomaterials for arsenic and chromium removal from waste water; Biochar-based adsorbents for the removal of organic pollutants from aqueous systems; Describes carbon nanomaterials based green nanocomposites; The removal of trihalomethanes from water using nanofiltration membranes and The transformation of wide bandgap semiconductors for visible-light photocatalytic degradation of organic dyes; Nanocomposite materials as electrode materials in microbial fuel cells for the removal of water pollutants; Plasmonic smart nanosensors for the determination of environmental pollutants.

Nanotechnology for Energy and Environmental Engineering Lalita Ledwani 2020-03-12 This book examines the potential applications of nanoscience and nanotechnology to promote eco-friendly processes and techniques for energy and environment sustainability. Covering various aspects of both the synthesis and applications of nanoparticles and nanofluids for energy and environmental engineering, its goal is to promote eco-friendly processes and techniques. Accordingly, the book elaborates on the development of reliable, economical, eco-friendly processes through advanced nanoscience and technological research and innovations. Gathering contributions by researchers actively engaged in various domains of nanoscience and technology, it addresses topics such as nanoparticle synthesis (both top-down and bottom-up approaches); applications of nanomaterials, nanosensors and plasma discharge in pollution control; environmental monitoring; agriculture; energy recovery; production enhancement; energy conservation and storage; surface modification of materials for energy storage; fuel cells; pollution mitigation; and CO₂ capture and sequestration. Given its scope, the book will be of interest to academics and researchers whose work involves nanotechnology or nanomaterials, especially as applied to energy and/or environmental sustainability engineering. Graduate students in the same areas will also find it a valuable resource.

Basic Mechanical Engineering Rajput 2002

Advanced Industrial Wastewater Treatment and Reclamation of Water Swapnila Roy

Happiness Unlimited Sister Shivani 2019 In these enlightening and eye-opening conversations, the renowned spiritual mentor, Sister BK Shivani reveals how to create a life of joy, contentment and bliss, because we all have the choice and the power to do so. According to her, the reason why there is so little happiness in the world is dependency. Happiness is not dependent on 'anything' or 'anyone', or found 'anywhere'. We keep delaying our happiness until things are just right in our life. We think we will be happy in the future and then wonder why we are not happy now. Happiness is only possible when we are able to accept everyone as they are, at every moment, in every situation. This book is a medium for the awakening and acceptance of self-responsibility. Helping us choose our thoughts and feelings aligned with our true nature of purity, peace and love. To make us shift from asking to sharing; from holding on to letting go; from expectations to

acceptance; from the past and the future to being in the now. Happiness is a 'decision', not a 'consequence'.

Happiness Unlimited 2015

Data Preprocessing, Active Learning, and Cost Perceptive Approaches for Resolving Data Imbalance Rana, Dipti P. 2021-06-04 Over the last two decades, researchers are looking at imbalanced data learning as a prominent research area. Many critical real-world application areas like finance, health, network, news, online advertisement, social network media, and weather have imbalanced data, which emphasizes the research necessity for real-time implications of precise fraud/default detection, rare disease/reaction prediction, network intrusion detection, fake news detection, fraud advertisement detection, cyber bullying identification, disaster events prediction, and more. Machine learning algorithms are based on the heuristic of equally-distributed balanced data and provide the biased result towards the majority data class, which is not acceptable considering imbalanced data is omnipresent in real-life scenarios and is forcing us to learn from imbalanced data for foolproof application design. Imbalanced data is multifaceted and demands a new perception using the novelty at sampling approach of data preprocessing, an active learning approach, and a cost perceptive approach to resolve data imbalance. *Data Preprocessing, Active Learning, and Cost Perceptive Approaches for Resolving Data Imbalance* offers new aspects for imbalanced data learning by providing the advancements of the traditional methods, with respect to big data, through case studies and research from experts in academia, engineering, and industry. The chapters provide theoretical frameworks and the latest empirical research findings that help to improve the understanding of the impact of imbalanced data and its resolving techniques based on data preprocessing, active learning, and cost perceptive approaches. This book is ideal for data scientists, data analysts, engineers, practitioners, researchers, academicians, and students looking for more information on imbalanced data characteristics and solutions using varied approaches.

Computational Intelligence in Pattern Recognition Asit Kumar Das 2019-08-17 This book presents practical development experiences in different areas of data analysis and pattern recognition, focusing on soft computing technologies, clustering and classification algorithms, rough set and fuzzy set theory, evolutionary computations, neural science and neural network systems, image processing, combinatorial pattern matching, social network analysis, audio and video data analysis, data mining in dynamic environments, bioinformatics, hybrid computing, big data analytics and deep learning. It also provides innovative solutions to the challenges in these areas and discusses recent developments.

Environmental Engineering Dictionary of Technical Terms and Phrases Francis J. Hopcroft 2017-03-07 This reference manual provides a list of approximately 300 technical terms and phrases common to environmental and civil engineering which non-English speakers often find difficult to understand in English. The manual provides the terms and phrases in alphabetical order, followed by a concise English definition, then a translation of the term in Tamil and, finally, an interpretation or translation of the term or phrase in Tamil. Following the Tamil translations section, the columns are reversed and reordered alphabetically in Tamil with the English term and translation following the Tamil term or phrase.

Environmental Management of Waste Electrical and Electronic Equipment Chaudhery Mustansar Hussain 2021-04-11 Environmental Management of Waste Electrical and Electronic Equipment illustrates the socioeconomic, technical and environmental perspectives of WEEE, allowing for a better understanding on how to manage this rapidly growing waste stream. The book addresses discharge of WEEE into ecosystems, occupational exposure to hazardous components of WEEE, and loss of recoverable resources, bridging the gap between community and waste management. By providing in-depth analysis and step-by-step descriptions of environmental strategies and procedures for managing electrical and electronic waste, this book is a valuable resource for environmental scientists, environmental engineers, and waste management professionals to achieve sustainability in WEEE. Presents the latest knowledge on the origin, identification and adverse effects of WEEE on humans and ecosystems Offers up-to-date analysis on environmental management tools, such as LCA, health risk, legalization, and policies for sustainable solutions for Waste Electrical and Electronic Equipment (WEEE) Includes details and analysis of the novel approaches proposed in recent years for resource recovery from WEEE

Computational Intelligence in Data Mining Himansu Sekhar Behera 2018-07-03 The International Conference on “Computational Intelligence in Data Mining” (ICCIDM), after three successful versions, has reached to its fourth version with a lot of aspiration. The best selected conference papers are reviewed and compiled to form this volume. The proceedings discusses the latest solutions, scientific results and methods in solving intriguing problems in the fields of data mining, computational intelligence, big data analytics, and soft computing. The volume presents a sneak preview into the strengths and weakness of trending applications and research findings in the field of computational intelligence and data mining along with related field.

Amader Shantiniketan Shivani 2021-05-24 -Padma Shri and late Hindi author Shivani's memoirs of studying at the experimental school set up by Rabindranath Tagore. -A rare view and stories of life inside the Ashram, of how the students' intimate relationships and interactions with Tagore and other towering personalities shaped them. -Includes tributes to other iconic personalities who called Shantiniketan their home, such as Satyajit Ray and Pandit Hajari Prasad Dwivedi. -Written with such warmth and filled with laughter, this book can be enjoyed by both adults and children. -Translated into English for the first time by Ira Pande, the author's daughter and Sahitya Akademi winner for her translation of Manohar Shyam Joshi's T'ta Professor This charming memoir is a loving homage to a grand institution and its legendary gurus. Written from the perspective of a child and young girl, it retains the freshness and innocence of an age when experimental education was not merely a trendy movement. Shivani's vivid pictures of the Ashram and portraits of her teachers and fellow students remain as alive as they seemed when she first wrote this memoir nearly fifty years ago. Along with the moving tributes she wrote when some of her beloved contemporaries passed away, this slim memoir is a sort of diptych that captures the spirit of the Ashram and the liveliness of its inmates, many of whom went on to become iconic Indians. Shivani's recall of her time there takes the reader into an enchanted garden that remains as inspirational to her as it was when she went there all the way from Kumaon a lifetime ago.

INDUSTRIAL ENGINEERING AND MANAGEMENT Prashant K. Ambadekar 2020-02 Magement functions

are essential parts of the industry. Similarly this subject is an essential input for diploma engineering students. It is applicable to all branches with no exception. The concept of management and its industrial application will definitely add managerial angle making students techno-commercial professionals. This book is intended for giving such input to all the first year diploma engineering students.

World War 3.0 Ken Auletta 2001-02-15 The Internet Revolution, like all great industrial changes, has made the world's elephantine media companies tremble that their competitors-whether small and nimble mice or fellow elephants-will get to new terrain first and seize its commanding heights. In a climate in which fear and insecurity are considered healthy emotions, corporate violence becomes commonplace. In the blink of an eye-or the time it has taken slogans such as "The Internet changes everything" to go from hyperbole to banality-"creative destruction" has wracked the global economy on an epic scale. No one has been more powerful or felt more fear or reacted more violently than Bill Gates and Microsoft. Afraid that any number of competitors might outflank them-whether Netscape or Sony or AOL Time Warner or Sun or AT&T or Linux-based companies that champion the open-source movement or some college student hacking in his dorm room-Microsoft has waged holy war on all foes, leveraging its imposing strengths. In World War 3.0, Ken Auletta chronicles this fierce conflict from the vantage of its most important theater of operations: the devastating second front opened up against Bill Gates's empire by the United States government. The book's narrative spine is United States v. Microsoft, the government's massive civil suit against Microsoft for allegedly stifling competition and innovation on a broad scale. With his superb writerly gifts and extraordinary access to all the principal parties, Ken Auletta crafts this landmark confrontation into a tight, character- and incident-filled courtroom drama featuring the best legal minds of our time, including David Boies and Judge Richard Posner. And with the wisdom gleaned from covering the converging media, software, and communications industries for The New Yorker for the better part of a decade, Auletta uses this pivotal battle to shape a magisterial reckoning with the larger war and the agendas, personalities, and prospects of its many combatants.

Nano-food Engineering Umesh Hebbar 2020-08-06 This extensive and singular work focuses on current applications of nanotechnology in food systems. The functionality and applicability of food-related nanotechnology is covered in depth, presenting a view on the food processing, packaging, storage and safety assessment of nanotechnology in the food industry. Multiple nanostructures are covered, each with their specific ingredient choice, production strategy, functionality and application in food engineering. Individual chapters focus on current processing methods and applications of nanotechnology in foods. Nano-food Engineering Volume One brings together panels of highly accomplished experts in the field of composites, nanotechnology and chemical engineering and food technology. The work encompasses basic studies and addresses novel issues, covering all engineering aspects, opportunities and challenges and solutions of nano-foods.

Nanotechnology in Environmental Science Chaudhery Mustansar Hussain 2018-02-05 An overview of the current state of nanotechnology-based devices with applications in environmental science, focusing on nanomaterials and polymer nanocomposites. The handbook pays special attention to those nanotechnology-based approaches that promise easier, faster and cheaper processes in environmental monitoring and remediation.

Furthermore, it presents up-to-date information on the economics, toxicity and regulations related to nanotechnology in detail. The book closes with a look at the role of nanotechnology for a green and sustainable future. With its coverage of existing and soon-to-be-realized devices this is an indispensable reference for both academic and corporate R&D.

Governance Shivani Singh 2016-09-05 This book aims to familiarize the reader with various dimensions and issues of governance in the globalized world. It is important to understand governance and its effects on administration and development in the context of a globalized environment. This textbook deals with the concepts and dimensions of governance by highlighting the major debates in the contemporary times. It emphasizes on the paradigm shift from government to governance and how the role of the state has changed over the years. Different facets of governance, such as democratic decentralization, environmental governance and role of non-state actors have been thoroughly discussed. Further, it provides insights into various good governance initiatives introduced in India, including Right to Information Act (RTI), e-governance and Citizen's Charter. Key Features - Comprehensive coverage of major concepts and critical understanding of the challenges to governance with special reference to India - Written in a lucid, jargon-free language for students and readers with backgrounds other than political science - All chapters aided by boxes, diagrams and tables for better understanding of concepts and included model questions for self-evaluation - Contributions from academicians and professionals from different fields of study, such as history, administrations and political science to give a wider perspective on governance

Satellite Communications Systems Engineering Louis J. Ippolito, Jr. 2017-02-28 The first edition of Satellite Communications Systems Engineering (Wiley 2008) was written for those concerned with the design and performance of satellite communications systems employed in fixed point to point, broadcasting, mobile, radio navigation, data relay, computer communications, and related satellite based applications. This welcome Second Edition continues the basic premise and enhances the publication with the latest updated information and new technologies developed since the publication of the first edition. The book is based on graduate level satellite communications course material and has served as the primary text for electrical engineering Masters and Doctoral level courses in satellite communications and related areas. Introductory to advanced engineering level students in electrical, communications and wireless network courses, and electrical engineers, communications engineers, systems engineers, and wireless network engineers looking for a refresher will find this essential text invaluable.

Manufacturing Processes H. N. Gupta 2012-09 Effective from 2008-09 session, U.P.T.U. has introduced the subject of manufacturing processes for first year engineering students of all streams. This textbook covers the entire course material in a distilled form.

Emerging Research in Data Engineering Systems and Computer Communications P. Venkata Krishna 2020-02-10 This book gathers selected papers presented at the 2nd International Conference on Computing, Communications and Data Engineering, held at Sri Padmavati Mahila Visvavidyalayam, Tirupati, India from 1 to 2 Feb 2019. Chiefly discussing major issues and challenges in data engineering systems and computer

communications, the topics covered include wireless systems and IoT, machine learning, optimization, control, statistics, and social computing.

Nanomaterials for Water Remediation Ajay Kumar Mishra 2020-06-08 The capability to generate potable water from polluted sources is growing in importance as pharmaceuticals, microplastics and waste permeate our soil. Nanotechnology allows for improvements in water remediation technologies by taking advantage of the unique properties of materials at this small scale.