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KEY=MUMBAI - BAKER TRUJILLO

BASIC OF ENGINEERING CHEMISTRY (FOR RGPV, BHOPAL)

S. Chand Publishing [Water And Its Industrial Applications](#) | [Fuels And Combustion](#) | [Lubricants](#) | [Cement And Refractories](#) | [Polymers](#) | [Instrumental Techniques In Chemical Analysis](#) | [Water Analysis Techniques](#) | [Question Bank](#)

S. CHAND'S APPLIED CHEMISTRY VOLUME - 1 (FOR 1ST SEMESTER OF MUMBAI UNIVERSITY)

S. Chand Publishing [S.Chand's Applied Chemistry](#)

ADVANCES IN STRUCTURAL ENGINEERING

MECHANICS, VOLUME ONE

Springer [The book presents research papers presented by academicians, researchers, and practicing structural engineers from India and abroad in the recently held Structural Engineering Convention \(SEC\) 2014 at Indian Institute of Technology Delhi during 22 - 24 December 2014. The book is divided into three volumes and encompasses multidisciplinary areas within structural engineering, such](#)

as earthquake engineering and structural dynamics, structural mechanics, finite element methods, structural vibration control, advanced cementitious and composite materials, bridge engineering, and soil-structure interaction. Advances in Structural Engineering is a useful reference material for structural engineering fraternity including undergraduate and postgraduate students, academicians, researchers and practicing engineers.

APPLIED CHEMISTRY

I. K. International Pvt Ltd Applied Chemistry-I is as per the revised syllabus of Mumbai University which is common to all the engineering branches. The book is organised in such a way that the students can acquire the knowledge of applications of chemistry in Engineering and Technology. Each chapter has been dealt with in sufficient detail with ample number of numerical problems and illustrations wherever required. Sufficient number of solved problems with quite a large number of university questions have also been provided.

INDIA TODAY

OPERATIONS MANAGEMENT AND SYSTEMS ENGINEERING

SELECT PROCEEDINGS OF CPIE 2018

Springer This book comprises select proceedings of the International Conference on Production and Industrial Engineering (CPIE) 2018. The book focuses on the latest developments in the domain of operations management and systems engineering, and presents analytical models, case studies, and simulation approaches relevant to a wide variety of systems engineering problems. Topics such as decision sciences, human factors and ergonomics, transport and supply chain management, manufacturing design, operations research, waste management, modeling and simulation, reliability and maintenance, and sustainability in operations and manufacturing are discussed in this book. The contents of this book will be useful to academics, researchers and practitioners working in the field of systems engineering and operations management.

ADVANCES IN COMPUTING, COMMUNICATION, AND CONTROL

THIRD INTERNATIONAL CONFERENCE, ICAC3 2013, MUMBAI, INDIA, JANUARY 18-19, 2013, PROCEEDINGS

Springer This book constitutes the refereed proceedings of the Third International Conference on Advances in Computing.

Communication and Control, ICAC3 2013, held in Mumbai, India, in January 2013. The 69 papers presented in this volume were carefully reviewed and selected for inclusion in the book. They deal with topics such as image processing, artificial intelligence, robotics, wireless communications; data warehousing and mining, and are organized in topical sections named: computing; communication; control; and others.

ENGINEERING MECHANICS - STATICS

STRUCTURAL DESIGN IN STEEL

New Age International This Book Represents The Translation Of The Author'S Structural Design Experience In The United States Of America In Terms Of The Indian Code Of Practice And His Perception Of The Needs Of The Engineering Students Of The Indian Schools.A Former Lecturer In Civil Engineering At Aligarh Muslim University In India And, Later, A Practicing Engineer In The U.S.A. Over Three Decades, The Author Has Presented A Pleasant And Useful Blend Of The Theory And Practice Of Structural Design In Steel. The Book Incorporates Just Enough Theory For The Readers To Feel Comfortable With The Details Of The Design Problems That Form An Integral Part Of This Presentation. The Basic Concepts And Fundamental ``Building Blocks`` Of Steel Design Presented In The ``Traditional`` Chapters On Structural Fasteners, Tension Members, Beams Etc., Are Later Used To Familiarize The Readers With The More Interesting And Challenging Design Topics Of Special Connections, Multistorey Building Frames, Industrial Buildings And Plastic Analysis And Design. Illustrative Examples With A Practical Bias Are Extensively Used And Problems In Day-To-Day Engineering With Possible Solutions Are Emphasized.Written In An Easy And Concise Style, The Book Incorporates A Large Number Of Example Problems Along With A Set Of Expanded Steel Tables To Help The Readers Hone Their Knowledge And Skills. Students As Well As Practicing Engineers Will Find This Book Of Considerable Interest And Use.

APTİKOM JOURNAL ON COMPUTER SCIENCE AND INFORMATION TECHNOLOGIES (CSIT) VOL. 5 NO. 2 JULY 2020

IAIC BANGUN BANGSA CSIT (APTİKOM Journal on Computer Science and Information Technologies) Published by APTİKOM & Organized by Aptikom Publisher and Pandawan. CSIT is published three a year, every March, July, and November.

CHEMICAL ENGINEERING

RESEARCH ANTHOLOGY ON COLLABORATION, DIGITAL SERVICES, AND RESOURCE MANAGEMENT FOR THE

SUSTAINABILITY OF LIBRARIES

IGI Global Faced with increased budget cuts, libraries must continue to advance their services through new technologies and practices in order to keep pace with the rapid changes society is currently facing. The once traditional in-person services offered can no longer be the only option, and to keep themselves afloat, libraries must offer more in terms of digital services. The convenience of offering mobile and digital services brings a new wave of accessibility to libraries and a new question on just how much libraries will need to change to meet the newfound needs of its patrons. Beyond offering these digital services, libraries are incorporating other types of technology in multifaceted ways such as utilizing artificial intelligence practices, social media, and big data management. Moreover, libraries are increasingly looking for ways to partner and collaborate with the community, faculty, students, and other libraries in order to keep abreast of the best practices and needs of their users. The Research Anthology on Collaboration, Digital Services, and Resource Management for the Sustainability of Libraries explores emerging strategies and technologies that are redefining the role of the library within communities and academia. This reference book covers extensive ground on all the ways libraries have shifted to manage their resources, digitalize their services, and market themselves within the new technological revolution. These continued shifts for libraries come with benefits, challenges, and future projections that are critical for discussion as libraries continue to strive to remain updated and relevant in times of change. This book is ideal for librarians, archivists, collection managers, IT specialists, electronic resource librarians, practitioners, stakeholders, researchers, academicians, and students who are interested in the current state of libraries and how they are transforming to fit modern needs.

TEXTBOOK OF FINITE ELEMENT ANALYSIS

PHI Learning Pvt. Ltd. Designed for a one-semester course in Finite Element Method, this compact and well-organized text presents FEM as a tool to find approximate solutions to differential equations. This provides the student a better perspective on the technique and its wide range of applications. This approach reflects the current trend as the present-day applications range from structures to biomechanics to electromagnetics, unlike in conventional texts that view FEM primarily as an extension of matrix methods of structural analysis. After an introduction and a review of mathematical preliminaries, the book gives a detailed discussion on FEM as a technique for solving differential equations and variational formulation of FEM. This is followed by a lucid presentation of one-dimensional and two-dimensional finite elements and finite element formulation for dynamics. The book concludes with some case studies that focus on industrial problems and Appendices that include mini-project topics based on near-real-life problems. Postgraduate/Senior undergraduate students of civil, mechanical and aeronautical engineering will find this text extremely useful; it will also appeal to the practising engineers and the teaching community.

TECHNO-SOCIETAL 2020

PROCEEDINGS OF THE 3RD INTERNATIONAL CONFERENCE ON ADVANCED TECHNOLOGIES FOR SOCIETAL APPLICATIONS—VOLUME 1

Springer Nature This book, divided in two volumes, originates from Techno-Societal 2020: the 3rd International Conference on Advanced Technologies for Societal Applications, Maharashtra, India, that brings together faculty members of various engineering colleges to solve Indian regional relevant problems under the guidance of eminent researchers from various reputed organizations. The focus of this volume is on technologies that help develop and improve society, in particular on issues such as sensor and ICT based technologies for the betterment of people, Technologies for agriculture and healthcare, micro and nano technological applications. This conference aims to help innovators to share their best practices or products developed to solve specific local problems which in turn may help the other researchers to take inspiration to solve problems in their region. On the other hand, technologies proposed by expert researchers may find applications in different regions. This offers a multidisciplinary platform for researchers from a broad range of disciplines of Science, Engineering and Technology for reporting innovations at different levels.

IBM COGNOS 10 REPORT STUDIO COOKBOOK, SECOND EDITION

Packt Publishing Ltd This Cookbook contains step-by-step instructions for Report Studio 10.1 users to author effective reports. The book is designed in a way that you can refer to it chapter by chapter, look at the list of recipes and read them in no particular order. The Cognos 10.1 Report Studio Cookbook is for you if you are a Business Intelligence Developer who is working on IBM Cognos 10 Report Studio and wants to author impressive reports by putting to use what this tool has to offer. It is also ideal you are a Business Analyst or Power User who authors his own reports and wants to look beyond the conventional features of IBM Cognos 10 Report Studio. This book assumes that you are familiar with the architecture of IBM Cognos 10. You should also have basic knowledge of IBM Cognos Report Studio and can do the basic report authoring tasks.

APPLIED NUMERICAL METHODS WITH MATLAB FOR ENGINEERS AND SCIENTISTS

McGraw-Hill Steven Chapra's second edition, Applied Numerical Methods with MATLAB for Engineers and Scientists, is written for engineers and scientists who want to learn numerical problem solving. This text focuses on problem-solving (applications) rather than theory, using MATLAB, and is intended for Numerical Methods users; hence theory is included only to inform key concepts. The second edition feature new material such as Numerical Differentiation and ODE's: Boundary-Value Problems. For those who require a more

theoretical approach, see Chapra's best-selling Numerical Methods for Engineers, 5/e (2006), also by McGraw-Hill.

TEXTBOOK OF ENVIRONMENTAL STUDIES FOR UNDERGRADUATE COURSES

Universities Press The Importance Of Environmental Studies Cannot Be Disputed Since The Need For Sustainable Development Is A Key To The Future Of Mankind. Recognising This, The Honourable Supreme Court Of India Directed The Ugc To Introduce A Basic Course On Environmental Education For Undergraduate Courses In All Disciplines, To Be Implemented By Every University In The Country. Accordingly, The Ugc Constituted An Expert Committee To Formulate A Six-Month Core Module Syllabus For Environmental Studies. This Textbook Is The Outcome Of The Ugc S Efforts And Has Been Prepared As Per The Syllabus. It Is Designed To Bring About An Awareness On A Variety Of Environmental Concerns. It Attempts To Create A Pro-Environmental Attitude And A Behavioural Pattern In Society That Is Based On Creating Sustainable Lifestyles And A New Ethic Towards Conservation. This Textbook Stresses On A Balanced View Of Issues That Affect Our Daily Lives. These Issues Are Related To The Conflict Between Existing `Development Strategies And The Need For `Conservation . It Not Only Makes The Student Better Informed On These Concerns, But Is Expected To Lead The Student Towards Positive Action To Improve The Environment. Based On A Multidisciplinary Approach That Brings About An Appreciation Of The Natural World And Human Impact On Its Integrity, This Textbook Seeks Practical Answers To Make Human Civilization Sustainable On The Earth S Finite Resources. Attractively Priced At Rupees One Hundred And Fifteen Only, This Textbook Covers The Syllabus As Structured By The Ugc, Divided Into 8 Units And 50 Lectures. The First 7 Units, Which Cover 45 Lectures Are Classroom Teaching-Based, And Enhance Knowledge Skills And Attitude To Environment. Unit 8 Is Based On Field Activities To Be Covered In 5 Lecture Hours And Would Provide Students With First Hand Knowledge On Various Local Environmental Issues.

EMERGING TECHNOLOGIES FOR HEALTHCARE

INTERNET OF THINGS AND DEEP LEARNING MODELS

John Wiley & Sons “Emerging Technologies for Healthcare” begins with an IoT-based solution for the automated healthcare sector which is enhanced to provide solutions with advanced deep learning techniques. The book provides feasible solutions through various machine learning approaches and applies them to disease analysis and prediction. An example of this is employing a three-dimensional matrix approach for treating chronic kidney disease, the diagnosis and prognostication of acquired demyelinating syndrome (ADS) and autism spectrum disorder, and the detection of pneumonia. In addition, it provides healthcare solutions for post COVID-19 outbreaks through various suitable approaches, Moreover, a detailed detection mechanism is discussed which is used to devise solutions for predicting personality through handwriting recognition; and novel approaches for sentiment analysis are also

discussed with sufficient data and its dimensions. This book not only covers theoretical approaches and algorithms, but also contains the sequence of steps used to analyze problems with data, processes, reports, and optimization techniques. It will serve as a single source for solving various problems via machine learning algorithms.

A TRYST WITH TIME

THE SUBTLE ART OF PROCESS TRANSFORMATION - AN INSPIRING FABLE

CreateSpace Time, the most valuable resource we have. It is the most perishable one as well. It is the central thread in all our endeavors. Curiously, time is both outside our control and within as well. The time of the world is beyond us; yet our processes, what we do and how we do it enables us to keep it within our reach. 'A Tryst With Time' is an inspiring fable on the transformation of processes on both, business and personal fronts, all centering on the time dimension. It addresses the transition from problems to opportunities, rigidity to flexibility, resources to results, local to global, and complexity to simplicity, all woven together as three parallel, overlapping transformation journeys; all moving from the gross, physical domains of the routine to the subtler, softer realms of life that are usually not explored by us. - Understand the logic behind the existence of 'Structural Business Gaps' - Generate critical insights into the hidden realities of your business - Develop end-to-end process lifecycle views of your operations - Evolve robust processes for building a learning organization - Strategically align product, process and organization architectures - Derive intuitive insights into integrated process transformation programs - Increase the speed factor throughout your enterprise "A fundamental guide to process transformation"

FUNDAMENTALS OF ELECTRICAL AND ELECTRONICS ENGINEERING

PHI Learning Pvt. Ltd. This second edition, extensively revised and updated, continues to offer sound, practically-oriented, modularized coverage of the full spectrum of fundamental topics in each of the several major areas of electrical and electronics engineering. Circuit Theory Electrical Measurements and Measuring Instruments Electric Machines Electric Power Systems Control Systems Signals and Systems Analog and Digital Electronics including introduction to microcomputers The book conforms to the syllabi of Basic Electrical and Electronic Sciences prescribed for the first-year engineering students. It is also an ideal text for students pursuing diploma programmes in Electrical Engineering. Written in a straightforward style with a strong emphasis on primary principles, the main objective of the book is to bring an understanding of the subject within the reach of all engineering students. What is New to This Edition : Fundamentals of Control Systems (Chapter 24) Fundamentals of Signals and Systems (Chapter 25) Introduction to Microcomputers (Chapter 32) Substantial revisions to chapters on Transformer, Semiconductor Diodes and Transistors,

and Field Effect Transistors Laplace Transform (Appendix B) Applications of Laplace Transform (Appendix C) PSpice (Appendix E) key Features : Numerous solved examples for sound conceptual understanding End-of-chapter review questions and numerical problems for rigorous practice by students Answers to all end-of-chapter numerical problems An objective type Questions Bank with answers to hone the technical skills of students for viva voce and preparation for competitive examinations.

THE STRUCTURAL ENGINEER

JOURNAL OF THE INSTITUTION OF STRUCTURAL ENGINEERS

INTERNATIONAL CONFERENCE ON INNOVATIVE COMPUTING AND COMMUNICATIONS

PROCEEDINGS OF ICICC 2018, VOLUME 2

Springer The book includes high-quality research papers presented at the International Conference on Innovative Computing and Communication (ICICC 2018), which was held at the Guru Nanak Institute of Management (GNIM), Delhi, India on 5-6 May 2018. 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.

ADVANCES IN BIOCERAMICS AND POROUS CERAMICS IV

John Wiley & Sons This book is a collection of papers from The American Ceramic Society's 35th International Conference on Advanced Ceramics and Composites, held in Daytona Beach, Florida, January 23-28, 2011. This issue includes papers presented in the Next Generation Bioceramics and Porous Ceramics Symposia on topics such as Advanced Processing of Bioceramics; In Vitro and In Vivo Characterization of Bioceramics; Medical and Dental Applications of Bioceramics; Porous Bioceramics; Structure and Properties of Porous Ceramics; and Processing Methods of Porous Ceramics.

MODERN DIGITAL AND ANALOG COMMUNICATION SYSTEMS

Oxford University Press, USA With exceptionally clear writing, Lathi takes students step by step through a history of communications systems from elementary signal analysis to advanced concepts in communications theory. The first four chapters of the text present basic principles, subsequent chapters offer ample material for flexibility in course content and level. All Topics are

covered in detail, including a thorough treatment of frequency modulation and phase modulation. Numerous worked examples in each chapter and over 300 end-of-chapter problems and numerous illustrations and figures support the content.

COMPUTER PROGRAMMING WITH C++

Cambridge University Press "Provides an in-depth explanation of the C and C++ programming languages along with the fundamentals of object oriented programming paradigm"--

LITERACY SKILL DEVELOPMENT FOR LIBRARY SCIENCE PROFESSIONALS

IGI Global With the increasing use of information communication technology in education, new skills and competencies among library science professionals are required for them to effectively disseminate necessary information to users. It is essential to equip educators and students with the requisite digital and information literacy competencies. Literacy Skill Development for Library Science Professionals provides emerging research exploring the roles and applications of information literacy and technology within library science and education. Featuring coverage on a broad range of topics such as electronic resources, mobile learning, and social media, this book is ideally designed for librarians, information and communication technology researchers, academicians, and graduate-level students seeking current research on the ability to find, evaluate, use, and share information in library science.

NUMERICAL METHODS FOR SCIENTISTS AND ENGINEERS, FOURTH EDITION

PHI Learning Pvt. Ltd. With a clarity of approach, this easy-to-comprehend book gives an in-depth analysis of the topics under Numerical Methods, in a systematic manner. Primarily intended for the undergraduate and postgraduate students in many branches of engineering, physics, mathematics and all those pursuing Bachelors/Masters in computer applications. Besides students, those appearing for competitive examinations, research scholars and professionals engaged in numerical computation will also be benefited by this book. The fourth edition of this book has been updated by adding a current topic of interest on Finite Element Methods, which is a versatile method to solve numerically, several problems that arise in engineering design, claiming many advantages over the existing methods. Besides, it introduces the basics in computing, discusses various direct and iterative methods for solving algebraic and transcendental equations and a system of non-linear equations, linear system of equations, matrix inversion and computation of eigenvalues and eigenvectors of a matrix. It also provides a detailed discussion on Curve fitting, Interpolation, Numerical Differentiation and Integration besides explaining various single step and predictor-corrector methods for solving ordinary differential equations, finite difference methods for solving partial differential equations, and numerical methods for solving Boundary Value

Problems. Fourier series approximation to a real continuous function is also presented. The text is augmented with a plethora of examples and solved problems along with well-illustrated figures for a practical understanding of the subject. Chapter-end exercises with answers and a detailed bibliography have also been provided. NEW TO THIS EDITION • Includes two new chapters on the basic concepts of the Finite Element Method and Coordinate Systems in Finite Element Methods with Applications in Heat Transfer and Structural Mechanics. • Provides more than 350 examples including numerous worked-out problems. • Gives detailed solutions and hints to problems under Exercises.

PROCEEDINGS OF INTEGRATED INTELLIGENCE ENABLE NETWORKS AND COMPUTING

IIENC 2020

Springer Nature This book presents best selected research papers presented at the First International Conference on Integrated Intelligence Enable Networks and Computing (IIENC 2020), held from May 25 to May 27, 2020, at the Institute of Technology, Gopeshwar, India (Government Institute of Uttarakhand Government and affiliated to Uttarakhand Technical University). The book includes papers in the field of intelligent computing. The book covers the areas of machine learning and robotics, signal processing and Internet of things, big data and renewable energy sources.

INTELLIGENT SYSTEMS DESIGN AND APPLICATIONS

20TH INTERNATIONAL CONFERENCE ON INTELLIGENT SYSTEMS DESIGN AND APPLICATIONS (ISDA 2020) HELD DECEMBER 12-15, 2020

Springer Nature This book highlights recent research on intelligent systems and nature-inspired computing. It presents 130 selected papers from the 19th International Conference on Intelligent Systems Design and Applications (ISDA 2020), which was held online. The ISDA is a premier conference in the field of computational intelligence, and the latest installment brought together researchers, engineers and practitioners whose work involves intelligent systems and their applications in industry. Including contributions by authors from 40 countries, the book offers a valuable reference guide for all researchers, students and practitioners in the fields of Computer Science and Engineering.

MATERIAL SCIENCE & ENGINEERING

INNER ENGINEERING

A YOGI'S GUIDE TO JOY

Harmony NEW YORK TIMES BESTSELLER • Thought leader, visionary, philanthropist, mystic, and yogi Sadhguru presents Western readers with a time-tested path to achieving absolute well-being: the classical science of yoga. “A loving invitation to live our best lives and a profound reassurance of why and how we can.”—Sir Ken Robinson, author of *The Element*, *Finding Your Element*, and *Out of Our Minds: Learning to Be Creative* NAMED ONE OF THE TEN BEST BOOKS OF THE YEAR BY SPIRITUALITY & HEALTH The practice of hatha yoga, as we commonly know it, is but one of eight branches of the body of knowledge that is yoga. In fact, yoga is a sophisticated system of self-empowerment that is capable of harnessing and activating inner energies in such a way that your body and mind function at their optimal capacity. It is a means to create inner situations exactly the way you want them, turning you into the architect of your own joy. A yogi lives life in this expansive state, and in this transformative book Sadhguru tells the story of his own awakening, from a boy with an unusual affinity for the natural world to a young daredevil who crossed the Indian continent on his motorcycle. He relates the moment of his enlightenment on a mountaintop in southern India, where time stood still and he emerged radically changed. Today, as the founder of Isha, an organization devoted to humanitarian causes, he lights the path for millions. The term guru, he notes, means “dispeller of darkness, someone who opens the door for you. . . . As a guru, I have no doctrine to teach, no philosophy to impart, no belief to propagate. And that is because the only solution for all the ills that plague humanity is self-transformation. Self-transformation means that nothing of the old remains. It is a dimensional shift in the way you perceive and experience life.” The wisdom distilled in this accessible, profound, and engaging book offers readers time-tested tools that are fresh, alive, and radiantly new. Inner Engineering presents a revolutionary way of thinking about our agency and our humanity and the opportunity to achieve nothing less than a life of joy.

APPLICATION OF COMMUNICATION COMPUTATIONAL INTELLIGENCE AND LEARNING

PROCEEDING OF NATIONAL CONFERENCE ON COMMUNICATION, COMPUTATIONAL INTELLIGENCE AND LEARNING (NCCC IL 2021), DECEMBER 16TH-17TH PUNE, INDIA

Taylor & Francis The special issue is dedicated to National conference on Communication, computational intelligence and learning-NCCCIL sponsored by AICTE and organized by Department of Information Technology at Army Institute of Technology from 12-13 January 2022. This conference gave the collaborative forum to academic experts, researchers and corporate professionals to enrich

their knowledge in the automation and analysis of industry and business processes in a smart way. The two day conference included invited talks and paper presentations focusing on the applications of Computational intelligence, Communication, Machine Learning and Artificial Intelligence.

THE ELECTRONIC SILK ROAD

HOW THE WEB BINDS THE WORLD TOGETHER IN COMMERCE

Yale University Press From China to Facebookistan, the Internet has transformed global commerce. A cyber-law expert argues that we must free Internet trade while simultaneously protecting consumers.

CONCRETE REPAIR, REHABILITATION AND RETROFITTING III

3RD INTERNATIONAL CONFERENCE ON CONCRETE REPAIR, REHABILITATION AND RETROFITTING, ICCRRR-3, 3-5 SEPTEMBER 2012, CAPE TOWN, SOUTH AFRICA

CRC Press This proceedings volume consists of papers focusing on repairing, maintaining, rehabilitating, and retrofitting of existing infrastructures to extend their life and maximize economic return. Moreover, structural performance and material durability are discussed. Contributions fall under the following headings: (i) Concrete durability aspects, (ii)

EMERGING ICT POLICIES AND REGULATIONS

ROADMAP TO DIGITAL ECONOMIES

Springer Nature This book constructs both educational and research arguments on various dimensions of Information and Communication Technology (ICT) policy and regulation. There has been a paradigm shift in the ICT industry due to convergence of various technologies, the ubiquity of the Internet, the emergence of app economy and the pervasiveness of social media. These pose policy and regulatory challenges in the areas of industry structure, market power of firms, pricing of products and services, interconnection of networks, radio spectrum management, intellectual property rights, data privacy and security. The common thread throughout the different sections of the book is the massive adoption of digitization by individuals, enterprises, governments and societies and the critical role of associated regulation and policy for its success. The book addresses 13 important questions in the areas of: i) Telecom Regulation including bundling of products and services, interconnection, and radio spectrum; (ii) Internet

Regulation including governance of the Internet, Net Neutrality, quality of service, and cyber security; (iii) App Economy Regulation including Over The Top communication and broadcast services, ICT platform intermediation, sharing economy, data protection and privacy; and (iv) Emerging Technology Regulation including Artificial Intelligence and Intellectual Property Rights. The book explains technology and related regulatory concepts in an easy-to-read format and includes brief case studies describing the regulatory approaches from different countries. Specific focus is given to the regulatory landscape in India surrounding these questions and the lessons for similar emerging countries. Written in the form of contemporary questions and answers, this unique book appeals to researchers in ICT policy and regulation, regulators and policymakers, as well as students interested in the subject area. "The book comprehensively covers the current and emerging policy and regulatory issues relating to ICT, especially as applicable to India. Further, it provides a theoretical framework for analysing each regulatory issue along with practical implications. A good reference for researchers, regulators and policy makers." - Dr R.S. Sharma, Chairman, Telecom Regulatory Authority of India. "This book by Professor Sridhar provides an excellent overview of the challenges that the world faces in coping with the dynamic new emerging digital technologies that affect the way we work, play and communicate with each other. As the internet and mobile telephony becomes more ubiquitous and accessible to everyone regardless of socio-economic class, ICT can be used for good or for mischief. The book lays out the issues of regulating global ICT and policies that governments should adopt to enable its productive and positive use." - Dr G Anand Anandalingam, Ralph J. Tyser Professor of Management Science, Robert H. Smith School of Business, University of Maryland, U.S.A. "Using problem-centric approach successfully opens the complexity of ICT regulation to a wider audience. Through cleverly chosen topical case examples the book links the problems of Indian and international ICT markets." - Dr Hämmäinen Heikki, Professor, Department of Communications and Networking, Aalto University, Finland. "Prof Sridhar is a Thought Leader in the Telecom space and I have enjoyed my interaction with him over the years. This book is an excellent compendium looking at the main regulations and policies with reference to the ICT sector. It serves as a ready reckoner for new entrants and professionals alike, providing global and local perspectives on topics that impact the growing Digital Economy." - P Balaji, Chief Regulatory and Corporate Affairs Officer, Vodafone Idea Limited, India "Emerging ICT Policies and Regulations: Roadmap to Digital Economies is a must read for understanding essential questions regarding ICT Policy and Regulation as digitization develops locally and globally. With useful information on the case of India (and other countries), the book provides a clear, comprehensive, and cogent capture of relevant concepts and practices as well as emerging challenges. Powerful illustrations make concrete the nuance of regulatory approaches and provide added value for the reader." - Dr. Nanette S. Levinson, Professor, Internet Governance Lab, School of International Service, American University, USA, "Reference books are usually an important source of information but they are often not very readable. I am glad to say that Prof. Sridhar has managed to produce a very-well written account of ICT regulation and policies with a focus on India, and the result is a comprehensive and interesting volume with a number of very useful chapters; many of them easily digested on

their own. The book is highly recommended for members of the internet and telecommunications industries, regulators and researchers.” - Dr Jairo Gutierrez, Professor and Deputy Head, Engineering Computer and Mathematical Sciences, Auckland University of Technology, New Zealand. “Professor Sridhar's book provides the required regulatory theory and framework on 13 most important issues of the digital economy and provides guidance for setting policies and rules. A comprehensive reference for students and practitioners in the area of ICT regulation.” - Dr S Sadagopan, Director and Professor, International Institute of Information Technology Bangalore, India “Emerging ICT Policies and Regulations puts together invaluable and timely research in mapping and analysing the various issues faced by digital economy in India. Prof Sridhar has captured the most pressing issues in it, pertaining to Competition Law and Policy, Intellectual Property Rights, net neutrality, data privacy, regulating OTT services etc., not just comprehensively, but in a reader friendly way. A must read for anyone wanting to get insights on the numerous challenges involved in optimally regulating ICT driven services”. - Pradeep S Mehta, Secretary General, Consumer Unity & Trust Society International, India “The Book is a very exhaustive and excellent collection of contemporary issues & challenges on Policy & Regulation that the Digital Economy is likely to grapple with in the coming years. The research on each of these issues which precedes the suggested outcome (by the author) is very comprehensive and includes detailed analysis of the pros and cons, global best practices in the area of Policy Regulation in other Regimes , how the Indian context differs from the others and therefore , how it could possibly be addressed. ” - TV Ramachandran, President, Broadband India Forum, India “Whether it is spectrum auction or license fee; net neutrality or interconnection; cybersecurity or privacy; Sridhar peels off layers and presents underlying tensions within the fast-paced technological revolution and rather slow evolution of policy & regulation.” - Deepak Maheshwari, Former Secretary - ISP Association of India, Co-Founder - National Internet eXchange of India, Former Chair - IEEE Internet Initiative, India. “An encyclopedic mapping of regulatory challenges and solutions for the sector by the always insightful Prof. Sridhar. Through a single book, he provides an accessible guide to a plurality of regulations impacting the various layers of the OSI model.” - Sunil Abraham, Executive Director, Centre for Internet & Society, India

GO PROGRAMMING BLUEPRINTS

Packt Publishing Ltd Intended for seasoned Go programmers who want to put their expertise in Go to use to solve big, real-world, modern problems. With a basic understanding of channels and goroutines, you will hone your skills to build tools and programs that are quick and simple. You need not be an expert in distributed systems or technologies in order to deliver solutions capable of great scale. It is assumed that you are familiar with the basic concepts of Go.

PARTIAL DIFFERENTIAL EQUATIONS

New Age International This book provides a basic introductory course in partial differential equations, in which theory and applications are interrelated and developed side by side. Emphasis is on proofs, which are not only mathematically rigorous, but also constructive, where the structure and properties of the solution are investigated in detail. The authors feel that it is no longer necessary to follow the tradition of introducing the subject by deriving various partial differential equations of continuum mechanics and theoretical physics. Therefore, the subject has been introduced by mathematical analysis of the simplest, yet one of the most useful (from the point of view of applications), class of partial differential equations, namely the equations of first order, for which existence, uniqueness and stability of the solution of the relevant problem (Cauchy problem) is easy to discuss. Throughout the book, attempt has been made to introduce the important ideas from relatively simple cases, some times by referring to physical processes, and then extending them to more general systems.

INTRODUCTION TO STRUCTURAL ANALYSIS

New Age International This Book Deals With The Subject Of Structural Analysis Of Statically Determinate Structures Prescribed For The Degree And Diploma Courses Of Various Indian Universities And Polytechnics. It Is Useful As Well For The Students Appearing In Gate, Amie And Various Other Competitive Examinations Like That For Central And State Engineering Services. It Is A Valuable Guide For The Practising Engineers And Other Professionals. The Scope Of The Material Presented In This Book Is Sufficiently Broad To Include All The Basic Principles And Procedures Of Structural Analysis Needed For A Fresh Engineering Student. It Is Also Sufficiently Complete For One To Become Familiar With The Principles Of Mechanics And Proficient In The Use Of The Fundamentals Involved In Structural Analysis Of Simple Determinate Structures. The Book Is Written In Easy To Understand English With Clarity Of Expression And Continuity Of Ideas. The Chapters Have Been Arranged Systematically And The Subject Matter Developed Step By Step From The Very Fundamentals To A Fully Advanced Stage. In Each Chapter, The Design Significance Of Various Concepts And Their Subsequent Applications In Field Problems Have Been Highlighted. The Theory Has Been Profusely Illustrated Through Well Designed Examples Throughout The Book. Several Numerical Problems For Practice Have Also Been Included.

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PROGRAMMING IN C

Beginning with an overview of the basic concepts of computers, the book provides an exhaustive coverage of C programming constructs. It then focuses on arrays, strings, functions, pointers, user-defined data types, and files. In addition, the book also provides a chapter on linked lists - a popular data structure - and different operations that can be performed on such lists. Students will find this book an excellent companion for self-study owing to its easy-to-understand approach with plenty of programs complete with source codes, sample outputs, and test cases.