Free read Basic electrical and electronics engineering by ravish singh free download Full PDF

basic electrical engineering is designed specifically for the first year engineering students at the university of mumbai in that the positive aspect is a thoughtful blend of theory and problems this not only helps the students understand the concepts explained but also increases their practice quotient this book presents the proceedings of the international conference on emerging research in electronics computer science and technology icerect organized by pes college of engineering in mandya featuring cutting edge peer reviewed articles from the field of electronics computer science and technology it is a valuable resource for members of the scientific research community this book is core to the understanding of engineering of electronics and telecommunications and hence it becomes an important subject for students of electronics telecommunication engineering and electronics engineering in their third semester a strong conceptual understanding of the subject is what the textbook lends to its reader and an apart from an emphasis on problem solving approach and discussion on both analysis and synthesis of networks it offers ample coverage of dc circuits network theorems transient analysis two port networks and network synthesis among other major topics this book comprises the proceedings of the 2nd international conference on rural technology development and delivery organized by rural technology action group indian institute of technology iit madras the book highlights research on demand driven technologies and innovations mostly on energy environment water resources livelihood and smart technologies for the development of rural india spanning multi disciplinary research aspects on rural technologies and development this book would be useful for rural entrepreneurs researchers students and academic r d institutions for getting them involved in appropriate rural technology and development this book addresses the challenges for developing and emerging trends in internet of things iot for smart agriculture platforms it also describes data analytics machine learning cloud architecture automation robotics and aims to overcome existing barriers for smart agriculture with commercial viability it discusses iot based monitoring systems for analyzing the crop environment and methods for improving the efficiency of decision making based on the analysis of harvest statistics the book explores a range of applications including intelligent field monitoring intelligent data processing and sensor technologies predictive analysis systems crop monitoring and weather data enabled analysis in iot agro systems this volume will be helpful for engineering and technology experts and researchers as well as for policy makers mathematics i has been written specifically for the first year gujarat technological university gtu syllabus and students of all programs of engineering since first semester mathematics is common to all branches it covers indeterminate forms gamma and beta functions applications of definite integrals sequences and series taylor s and maclaurin s series fourier series partial derivatives multiple integrals and matrices for the benefit of the students mathematics ii has been written specifically as per the gujarat technological university gtu syllabus and for first year second semester students of all programmes of engineering it covers important topics such as vector calculus laplace transform and inverse laplace transform fourier integral first order ordinary differential equations ordinary differential equations of higher orders and series solutions of ordinary differential equations and special functions to help students gain a deep rooted understanding of the key elements of the subject which would help students to build their self confidence which is the key aspect in learning this book has been designed specifically for the gujarat technological university gtu syllabus and students of engineering in their third semester seven dedicated chapters are set to sequentially cover each module of the syllabus and are compounded by the tutorial technique i e theory followed by example s so that the learner develops an increased sense of conscious intellection this exceptional mix of theory and application caters to all types of requirements be it the student or the teacher not only is the syllabus rigorously followed but each topic has also been treated with the end examination in sight concepts are well aided with solved examples of different complexities so that every learner understands the topic at hand cases in leadership third edition is a unique collection of 32 real world leadership cases from ivey publishing plus 16 practitioner readings from the ivey business journal the updated casebook helps business students gain a better understanding of leadership and enables them to be more effective leaders through their careers each of the selected cases are about complex leadership issues that require the attention of the decision maker this casebook provides an invaluable supplement to any standard leadership text by connecting theory to actual cases however it has been organized to work especially well in conjunction with the sixth edition of peter northouse s leadership theory and practice this book has been designed specifically for the gujarat technological university gtu syllabus and for the students of engineering in their third semester eight dedicated chapters are set to sequentially cover each module of the syllabus and are compounded by the tutorial technique i e theory followed by example s so that the learner develops an increased sense of conscious intellection this exceptional mix of theory and application caters to all types of requirements be it the student or the teacher not only is the syllabus rigorously followed but each topic has also been treated with the end examination in sight concepts are well aided with solved examples of different complexities so that every learner understands the topic at hand this book gathers high quality research papers presented at the global ai congress 2019 which was organized by the institute of engineering and management kolkata india on 12 14 september 2019 sharing contributions prepared by researchers practitioners developers and experts in the areas of artificial intelligence the book covers the areas of ai for e commerce and web applications ai and sensors augmented reality big data brain computing interfaces computer vision cognitive radio networks data mining deep learning expert systems fuzzy sets and systems image processing knowledge representation nature inspired computing quantum machine learning reasoning robotics and autonomous systems robotics

and the iot social network analysis speech processing video processing and virtual reality this volume constitutes the second of three parts of the refereed proceedings of the first international conference on computer science and information technology ccsit 2010 held in bangalore india in january 2011 the 66 revised full papers presented in this volume were carefully reviewed and selected the papers are organized in topical sections on networks and communications network and communications security wireless and mobile networks the second edition continues to familiarize the students with the basic principles and techniques of human resource management comprehensively this textbook highlights the importance of effective management of human resources which results not only in organisational effectiveness but also sustainable competitive advantage with the coverage of contemporary topics such as hr scorecard gen y employees and work life balance it keeps the students abreast with the current human resource practices of the real world this textbook caters to the requirements of management students and is also a useful resource for hr professionals this book gathers outstanding papers presented at the international conference on data science and applications icdsa 2022 organized by soft computing research society scrs and jadavpur university kolkata india from 26 to 27 march 2022 it covers theoretical and empirical developments in various areas of big data analytics big data technologies decision tree learning wireless communication wireless sensor networking bioinformatics and systems artificial neural networks deep learning genetic algorithms data mining fuzzy logic optimization algorithms image processing computational intelligence in civil engineering and creative computing this book includes high quality research papers presented at the fifth international conference on innovative computing and communication icicc 2022 which is held at the shaheed sukhdev college of business studies university of delhi delhi india on february 19 20 2022 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 preface this is the first edition of a simplified course in computer science for class xi and xii in your hands since the cbse syllabus for computer science has many changes this edition is the outcome for the same this book is aimed at providing a thorough base and understanding in various latest trends in information technology this book covers python 3 x the world class professional programming language class inheritance overloading boolean algebra sql python with sql and concept of network the first edition of this book lays the foundation for further studies by covering the aspects in elaborative yet simple language the book has been divided in five units unit i beginners of python chapter 1 4 discuss various major and important terms in programming of python such as data types function udf and built in and statement controls if while for etc unit ii together with python chapter 5 7 introduces different terms of python like array and list tuple and it method and dictionary and it methods unit iii oops with python chapter 8 14 covers various terms such as class inheritance overloading multithreading and exception handling in details it also discussed how oops are implemented in python unit iv data structure chapter 15 16 introduces various data structure their purposes and functions along with their implementation in python it provides details information about stack queue and boolean algebra unit v programming with sql in python chapter 17 22 covers various file handling method different file operation database management system terms programming with sql implement sql in python for development of back end program we have worked our best to keep the presentation of this book short simple and catchy our goal is that by the end of each chapter you feel confident about the contents and enjoy yourself doing so any suggestion for improvement of this book is welcome nano bioremediation fundamentals and applications explores how nano bioremediation is used to remedy environmental pollutants the book s chapters focus on the design fabrication and application of advanced nanomaterials and their integration with biotechnological processes for the monitoring and treatment of pollutants in environmental matrices it is an important reference source for materials scientists engineers and environmental scientists who are looking to increase their understanding of bioremediation at the nanoscale the mitigation of environmental pollution is the biggest challenge to researchers and the scientific community hence this book provides answers to some important questions as an advanced hybrid technology nano bioremediation refers to the integration of nanomaterials and bioremediation for the remediation of pollutants the rapid pace of urbanization massive development of industrial sectors and modern agricultural practices all cause a controlled or uncontrolled release of environmentally related hazardous contaminants that are seriously threatening every key sphere including the atmosphere hydrosphere biosphere lithosphere and anthroposphere explores the current and potential applications of nano bioremediation in the remediation of hazardous pollutants outlines the major properties and classes of nanomaterials that make them efficient bioremediation agents assesses the major challenges of effectively implementing bioremediation techniques at the nanoscale the text presents aspects of virtual worlds and highlights the emerging trends in simulation and modeling comprising machine learning artificial intelligence deep learning robotics cloud computing and data mining algorithms it further discusses concepts including multimedia for the internet of things graphical modeling using emerging technologies and securing communication with secure data transmission in the modeling of virtual worlds this book discusses secure data transmission in the modeling of virtual worlds in the internet of things environment covers the integration of concepts and technical know how about multiple technologies in visual world modeling system configurations and hardware issues explores the use of next generation technologies such as deep learning blockchain and artificial intelligence in visual world modeling scenarios presents architectures and system models for the internet of things based visual world modeling systems provides real time case scenarios highlighting emerging challenges and issues the text is primarily written for senior undergraduate students graduate students and academic researchers in the fields of electrical engineering electronics communications engineering computer engineering and information technology advances in smart healthcare systems shs and artificial intelligence ai domains highlight the need for ict systems that aim not only to improve human quality of life but improve safety too shs bring together concepts and methodologies from various fields such as communications and network systems computer science life sciences and healthcare the well known smart healthcare paradigms are real time monitoring devices computer aided surgery devices telemedicine devices population based care devices

personalized medicine from a machine learning perspective ubiquities intelligent computing expert decision support systems health 2 0 and internet of things iot this book presents models for the deployment of intelligent computing information and networking technologies to aid in preventing disease improving the quality of care and lowering overall cost it also discusses the potential role of the ai paradigms computational intelligence and machine learning techniques which are used in developing the shs it will provide examples of potential usage of such technology in smart healthcare and and bio medical systems it will be an important read for researchers and professionals working in smart healthcare systems as well as those working in the individual areas of networks artificial intelligence and healthcare who want to see how an interdisciplinary approach can enhance the current technology scour and erosion ix contains the peer reviewed scientific contributions presented at 9th international conference on scour and erosion icse 2018 taipei taiwan 5 8 november 2018 and includes recent accomplishments about scour and erosion in field observation experimental laboratory work theoretical development numerical modeling and disaster management the book covers fourteen topics a internal erosion b river coastal estuarine and marine scour and erosion c rock scour and erosion d sediment transport grain scale and continuum scale e scour and erosion around structures f soil erosion restoration mechanisms and conservation g hillslope conservation and debris flow h geotechnical issues related to scour and erosion i field observation and analyses j scour and erosion testing and experiment k remote sensing instrumentation and monitoring l advanced numerical modelling of scour and erosion m natural hazards due to scour and erosion n management of scour erosion and sediment this unique volume presents reviews of research in several important areas of applications of mathematical concepts to science and technology for example applications of inverse problems and wavelets to real world systems the book provides a comprehensive overview of current research of several outstanding scholars engaged in diverse fields such as complexity theory vertex coupling in quantum graphs mixing of substances by turbulence network dynamics and architecture processes with rate independent hysteresis numerical analysis of hamilton jacobi bellman equations simulations of complex stochastic differential equations optimal flow control shape optimal flow control shape optimization and aircraft designing mathematics of brain nanotechnology and dna structure and mathematical models of environmental problems the volume also contains contributory talks based on current researches of comparatively young researchers participating in the conference contents part a invited talk in appreciation of dr zakir husain award m zuhair nashed kinematical conservation laws kcl equations of evolution of curves and surfaces k r arun and p prasad systematic discretization of input output maps and control of partial differential equations j heiland v mehrmann and m schmidt vertex couplings in quantum graphs approximations by scaled schrödinger operators p exner complexity leads to randomness in chaotic systems r lozi mathematical modeling for unifying different branches of science engineering and technology n rudraiah on equivalence transformations and exact solutions of a helmholtz type equation o p bhutani and l r chowdhury cognitive radio state of the art and mathematical challenges t nadkar v thumar a patel md z ali khan u b desai and s n merchant part b thematic reviews inverse problems of parameter identification in partial differential equations b jadamba a a khan and m sama finite element methods for hjb equations m boulbrachene dynamics and control of underactuated space systems k d kumar and godard some new classes of inverse coefficient problems in engineering mechanics and computational material science based on boundary measured data a hasanov some recent developments on mathematical aspect of wavelets p manchanda and meenakshi relevance of wavelets and inverse problems to brain a h siddiqi h k sevindir z aslan and c yazici wavelets and inverse problems k goyal and m mehra optimization models for a class of structured stochastic games s k neogy s sinha a k das and a gupta part c contributory talks predator prey relations for mammals where prey suppress breeding q j khan and m al lawatia sei model with varying transmission and mortality rates g rost trajectories and stability regions of the lagrangian points in the generalized chermnykh like problem b s kushvah mhd flow past an infinite plate under the effect of gravity modulation s wasu and s c rajvanshi readership researchers in mathematical modeling numerical analysis and computational mathematics keywords complexity theory vertex coupling in quantum graphs hamilton jacobiâ bellman equation prey and predator model inverse problems and wavelets dynamics and control of under actuated space systems the use of ehealth and mhealth interventions for health promotion health professional education and health professional support is on the rise they have a significant potential for learning through their wide reach ability to tailor to specific needs and facilitation of engagement interactivity and collaboration although ehealth and mhealth interventions are invested in quality and effectiveness they vary in their use of theory and instructional design principles based on the perspectives of the disciplines that can influence their work instructional design exemplars in ehealth and mhealth education interventions showcases design exemplars of ehealth and mhealth interventions in health promotion and in education and support of health professionals these exemplars demonstrate the integration of theory and design principles that benefit health professionals and health education covering topics such as healthcare access instructional technology and diverse learning experiences this book is a dynamic resource for health professionals instructional designers educators researchers hospital administrators policymakers researchers and academicians this book is a reference on digital technology and its impact on sustainability providing insight into sustainable practices globally it focuses on the critical practices leading to sustainable initiatives among various organizations it infrastructure communities and government compliance the book describes the green computing paradigms and the impact of a circular economy with a focus on sustainable practices in a post pandemic world sustainable digital technologies trends impacts and assessments discusses the critical factors leading to sustainable initiatives in a global economy it highlights the impact of digital technology and industry 4 0 in today s world the book focuses on the role responsibility and the effect of the internet of things for digital sustainability and practices it describes implementation strategies for green cloud computing and presents additional strategies for sustainable practices in a post pandemic world this publication is designed for use by technology development academicians data scientists industrial professionals researchers and students interested in uncovering the latest innovations in the field and the current research on problem oriented processing techniques in sustainable and evolutionary computing applications with reduced energy channelization this book

focuses on the introduction of new and modern maintenance management frameworks of assets in the electricity gas network sector and more specifically on electricity networks for distribution the author describes methodologies for developing and implementing maintenance management maturity models using case studies to show how these have been applied these maturity models are discussed as part of an overarching multi disciplinary organizational maintenance management professionalization framework this book adds a new dimension to the well known reliability centered maintenance rcm method by incorporating failure modes via multiple scenarios into business values by means of statistical risk calculation methods the author demonstrates a method called utility risk linked rcm which uses a statistical tool to develop failure models which can be used to predict future failure behavior of assets in relation to corporate business values this new method is a practical structured and comprehensive framework for assessing risk based maintenance policies the book also proposes a condition monitoring framework that can be used as a guide to assist asset managers in identifying the relationship between failure modes ageing processes to select amongst condition monitoring regimes agriculture is the backbone of the economy in most countries and its output can be impacted by climate change effects india as well as other countries which are predominantly agricultural are facing various challenges due to increasing population which can be met by technological innovations for sustainable agriculture advanced and innovative technologies in agriculture will not only solve the problems of fulfilling the food requirement of the growing population but also sustain agriculture in the future sustainability of natural resources planning and management addresses the advancement of innovative techniques to address the issues of water scarcity and agricultural yield it discusses various aspects of natural resource management agriculture micro irrigation ai applications for water management and impacts of climate change on water resources this book also deals water resource exploration planning recent geographic information system based studies groundwater modelling and related applications it highlights the optimal strategies for sustainable water resource management and development it also examines precision farming using remote sensing and gis techniques protein based biopolymers from source to biomedical applications provides an overview on the development and application of protein biopolymers in biomedicine protein polymers have garnered increasing focus in the development of biomedical materials devices and therapeutics due to their intrinsic bioactivity biocompatibility and biodegradability this book comprehensively reviews the latest advances on the synthesis characterization properties and applications of protein based biopolymers each chapter is dedicated to a single protein class covering a broad range of proteins including silk collagen keratin fibrin and more in addition the book explores the biomedical potential of these polymers from tissue engineering to drug delivery and wound healing this book offers a valuable resource for academics and researchers in the fields of materials science biomedical engineering and r d groups working in pharmaceutical and biomedical industries covers a range of protein based biopolymers including elastin collagen keratin soy and more guides the reader through the fabrication characterization and properties of protein biopolymers explores the biomedical potential of protein biopolymers covering applications such as cancer therapy tissue engineering and drug delivery this proceedings volume covers the proceedings of ercica 2015 ercica provides an interdisciplinary forum for researchers professional engineers and scientists educators and technologists to discuss debate and promote research and technology in the upcoming areas of computing information communication and their applications the contents of this book cover emerging research areas in fields of computing information communication and applications this will prove useful to both researchers and practicing engineers applications of next generation biosurfactants in the food sector provides detailed information on the sustainable approach to the utilization of biosurfactants as a next generational green biotechnology to mitigate various problems encountered in the food industry these biosurfactants help to reduce risks such as food spoilage food poisoning and post harvest losses of fruits vegetable grains tubers cereals and pulses this book will benefit academics r d professionals and postgrad students in the food science and related fields as they explore recent trends in the application of these green biosurfactants and the many uses they can provide provides examples of mathematical modeling metabolomics bioinformatics metabolic engineering systems biology and computer technology for solving real life food challenges using biosurfactants presents biosurfactants as an innovative green biotechnological solution to resolving food safety issues and improving human health includes applications of biosurfactants for the prevention of mycotoxins and as a biodegradable material with a wide variety of uses the 7th international conference on scour and erosion icse 2014 was organised by the school of civil environmental and mining engineering and the centre for offshore foundation systems at the university of western australia under the guidance of the technical committee 213 for scour and erosion of the international society of soil mechanics and intelligent and soft computing systems for green energy written and edited by some of the world s top experts in the field this exciting new volume provides state of the art research and the latest technological breakthroughs in next generation computing systems for the energy sector striving to bring the science toward sustainability real world problems need intelligent solutions across many industries and fields intelligent and soft computing systems using such developing technologies as artificial intelligence and internet of things are quickly becoming important tools for scientists engineers and other professionals for solving everyday problems in practical situations this book aims to bring together the research that has been carried out in the field of intelligent and soft computing systems intelligent and soft computing systems involves expertise from various domains of research such as electrical engineering computer engineering and mechanical engineering this book will serve as a point of convergence wherein all these domains come together the various chapters are configured to address the challenges faced in intelligent and soft computing systems from various fields and possible solutions the outcome of this book can serve as a potential resource for industry professionals and researchers working in the domain of intelligent and soft computing systems to list a few soft computing techniques neural based load forecasting iot enabled smart grids and blockchain technology for energy trading whether for the veteran engineer or the student learning the latest breakthroughs this exciting new volume is a must have for any library civil engineer samuel c florman s the civilized engineer is aimed at both those observing and commenting externally on engineering and the practicing engineer to reveal

something of the art behind great engineering achievements and to stimulate debate upon the author s hypothesis that in its moment of ascendance engineering is faced with the trivialization of its purpose and the debasement of its practice ashwin taksh is a 23 year old small town boy who aspires to work as a scientist at the indian space research organisation isro india s space program which accepts only 0 04 of applicants in june 2017 he is coming out of a failure in his first attempt to qualify for the highly competitive isro entrance exam when he gets admitted to india s prestigious nuclear program instead he accepts even though it s not his first choice he initiates his new job and decides to simultaneously study for the next isro exam quickly learning that this is no ordinary job either it requires him to complete a one year stringent training program in nuclear science engineering at its academy learning the most complex and cutting edge technologies of nuclear fission the further he moves the more he understands the price of achieving a dream career when he begins to develop feelings for one of his colleagues he discovers the politics and groupism of the academy he finds himself cornered by the corruption of the system ashwin must decide whether he is willing to risk his sanity and achievements risking his high end career in the nuclear program for the illustrious career he has always dreamed of this path he chose led him to make choices that pushed his career to the verge of termination what actions and determination brought an academically poor boy into the nuclear program of the world s largest democracy what concoction of passion stubbornness and ego then brought him to the verge of unemployment a rogue scientist the boy who did not sign through its inspirational yet twisted tale gives you the experience of that journey to pursue a goal with an incomprehensible degree of passion this book focuses on the interkosmos program which was formed in 1967 marking a fundamentally new era of cooperation by socialist countries led by the soviet union in the study and exploration of space the chapters shed light on the space program that was at that time a prime outlet for the soviet union s aims at becoming a world power interkosmos was a highly publicized russian space program that rapidly became a significant propaganda tool for the soviet union in the waning years of communism billed as an international research cosmonaut imperative it was also a high profile means of displaying solidarity with the nine participating eastern bloc countries those countries contributed pilots who were trained in moscow for week long guest missions on orbiting salyut stations they did a little subsidiary science and were permitted only the most basic mechanical maneuvers in this enthralling new book and following extensive international research the authors fully explore the background accomplishments and political legacy of the interkosmos program through personal and often highly revealing interviews with many of the participants they relate the very human story behind this extraordinary but controversial space venture

Basic Electrical Engineering: For the University of Mumbai 2019-04-24

basic electrical engineering is designed specifically for the first year engineering students at the university of mumbai in that the positive aspect is a thoughtful blend of theory and problems this not only helps the students understand the concepts explained but also increases their practice quotient

Emerging Research in Electronics, Computer Science and Technology 2022-06-22

this book presents the proceedings of the international conference on emerging research in electronics computer science and technology icerect organized by pes college of engineering in mandya featuring cutting edge peer reviewed articles from the field of electronics computer science and technology it is a valuable resource for members of the scientific research community

Network Theory: Analysis and Synthesis : For the University of Mumbai *2022-01-01*

this book is core to the understanding of engineering of electronics and telecommunications and hence it becomes an important subject for students of electronics telecommunication engineering and electronics engineering in their third semester a strong conceptual understanding of the subject is what the textbook lends to its reader and an apart from an emphasis on problem solving approach and discussion on both analysis and synthesis of networks it offers ample coverage of dc circuits network theorems transient analysis two port networks and network synthesis among other major topics

Rural Technology Development and Delivery 1976

this book comprises the proceedings of the 2nd international conference on rural technology development and delivery organized by rural technology action group indian institute of technology iit madras the book highlights research on demand driven technologies and innovations mostly on energy environment water resources livelihood and smart technologies for the development of rural india spanning multi disciplinary research aspects on rural technologies and development this book would be useful for rural entrepreneurs researchers students and academic r d institutions for getting them involved in appropriate rural technology and development

Smart Agriculture Automation Using Advanced Technologies 2012-04-04

this book addresses the challenges for developing and emerging trends in internet of things iot for smart agriculture platforms it also describes data analytics machine learning cloud architecture automation robotics and aims to overcome existing barriers for smart agriculture with commercial viability it discusses iot based monitoring systems for analyzing the crop environment and methods for improving the efficiency of decision making based on the analysis of harvest statistics the book explores a range of applications including intelligent field monitoring intelligent data processing and sensor technologies predictive analysis systems crop monitoring and weather data enabled analysis in iot agro systems this volume will be helpful for engineering and technology experts and researchers as well as for policy makers

Mathematics - I For the first year Gujarat Technological University (GTU) *1970*

mathematics i has been written specifically for the first year gujarat technological university gtu syllabus and students of all programs of engineering since first semester mathematics is common to all branches it covers indeterminate forms gamma and beta functions applications of definite integrals sequences and series taylor s and maclaurin s series fourier series partial derivatives multiple integrals and matrices for the benefit of the students

Mathematics II : For Gujarat Technological University *2020-04-02*

mathematics ii has been written specifically as per the gujarat technological university gtu syllabus and for first year second semester students of all programmes of engineering it covers important topics such as vector calculus laplace transform and inverse laplace transform fourier integral first order ordinary differential equations ordinary differential equations of higher orders and series solutions of ordinary differential equations and special functions to help students gain a deep rooted understanding of the key elements of the subject which would help students to build their self confidence which is the key aspect in learning

Probability and Statistics: For Gujarat Technological University *2010-12-25*

this book has been designed specifically for the gujarat technological university gtu syllabus and students of engineering in their third semester seven dedicated chapters are set to sequentially cover each module of the syllabus and are compounded by the tutorial technique i e theory followed by example s so that the learner develops an increased sense of conscious intellection this exceptional mix of theory and application caters to all types of requirements be it the student or the teacher not only is the syllabus rigorously followed but each topic has also been treated with the end examination in sight concepts are well aided with solved examples of different complexities so that every learner understands the topic at hand

World Guide to Universities - Internationales Universitäts-Handbuch *2023-02-06*

cases in leadership third edition is a unique collection of 32 real world leadership cases from ivey publishing plus 16 practitioner readings from the ivey business journal the updated casebook helps business students gain a better understanding of leadership and enables them to be more effective leaders through their careers each of the selected cases are about complex leadership issues that require the attention of the decision maker this casebook provides an invaluable supplement to any standard leadership text by connecting theory to actual cases however it has been organized to work especially well in conjunction with the sixth edition of peter northouse s leadership theory and practice

<u>Cases in Leadership</u> *2022-09-22*

this book has been designed specifically for the gujarat technological university gtu syllabus and for the students of engineering in their third semester eight dedicated chapters are set to sequentially cover each module of the syllabus and are compounded by the tutorial technique i e theory followed by example s so that the learner develops an increased sense of conscious intellection this exceptional mix of theory and application caters to all types of requirements be it the student or the teacher not only is the syllabus rigorously followed but each topic has also been treated with the end examination in sight concepts are well aided with solved examples of different complexities so that every learner understands the topic at hand

ISAE Directory 1970

this book gathers high quality research papers presented at the global ai congress 2019 which was organized by the institute of engineering and management kolkata india on 12 14 september 2019 sharing contributions prepared by researchers practitioners developers and experts in the areas of artificial intelligence the book covers the areas of ai for e commerce and web applications ai and sensors augmented reality big data brain computing interfaces computer vision cognitive radio networks data mining deep learning expert systems fuzzy sets and systems image processing knowledge representation nature inspired computing quantum machine learning reasoning robotics and autonomous systems robotics and the iot social network analysis speech processing video processing and virtual reality

Complex Variables and Partial Differential Equations: For the Gujarat Technological University (GTU) 2021-11-10

this volume constitutes the second of three parts of the refereed proceedings of the first international conference on computer science and information technology ccsit 2010 held in bangalore india in january 2011 the 66 revised full papers presented in this volume were carefully reviewed and selected the papers are organized in topical sections on networks and communications network and communications security wireless and mobile networks

Proceedings of the Global AI Congress 2019 *1985*

the second edition continues to familiarize the students with the basic principles and techniques of human resource management comprehensively this textbook highlights the importance of effective management of human resources which results not only in organisational effectiveness but also sustainable competitive advantage with the coverage of contemporary topics such as hr scorecard gen y employees and work life balance it keeps the students abreast with the current human resource practices of the real world this textbook caters to the requirements of management students and is also a useful resource for hr professionals

Advances in Networks and Communications 2024-07-31

this book gathers outstanding papers presented at the international conference on data science and applications icdsa 2022 organized by soft computing research society scrs and jadavpur university kolkata india from 26 to 27 march 2022 it covers theoretical and empirical developments in various areas of big data analytics big data technologies decision tree learning wireless communication wireless sensor networking bioinformatics and systems artificial neural networks deep learning genetic algorithms data mining fuzzy logic optimization algorithms image processing computational intelligence in civil engineering and creative computing

Human Resource Management, 2e 2020-12-27

this book includes high quality research papers presented at the fifth international conference on innovative computing and communication icicc 2022 which is held at the shaheed sukhdev college of business studies university of delhi delhi india on february 19 20 2022 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

Proceedings of International Conference on Data Science and Applications *2018-10-16*

preface this is the first edition of a simplified course in computer science for class xi and xii in your hands since the cbse syllabus for computer science has many changes this edition is the outcome for the same this book is aimed at providing a thorough base and understanding in various latest trends in information technology this book covers python 3 x the world class professional programming language class inheritance overloading boolean algebra sql python with sql and concept of network the first edition of this book lays the foundation for further studies by covering the aspects in elaborative yet simple language the book has been divided in five units unit i beginners of python chapter 1 4 discuss various major and important terms in programming of python such as data types function udf and built in and statement controls if while for etc unit ii together with python chapter 5 7 introduces different terms of python like array and list tuple and it method and dictionary and it methods unit iii oops with python chapter 8 14 covers various terms such as class inheritance overloading multithreading and exception handling in details it also discussed how oops are implemented in python unit iv data structure chapter 15 16 introduces various data structure their purposes and functions along with their implementation in python it provides details information about stack queue and boolean algebra unit v programming with sql in python chapter 17 22 covers various file handling method different file operation database management system terms programming with sql implement sql in python for development of back end program we have worked our best to keep the presentation of this book short simple and catchy our goal is that by the end of each chapter you feel confident about the contents and

enjoy yourself doing so any suggestion for improvement of this book is welcome

International Conference on Innovative Computing and Communications 2011-06-30

nano bioremediation fundamentals and applications explores how nano bioremediation is used to remedy environmental pollutants the book s chapters focus on the design fabrication and application of advanced nanomaterials and their integration with biotechnological processes for the monitoring and treatment of pollutants in environmental matrices it is an important reference source for materials scientists engineers and environmental scientists who are looking to increase their understanding of bioremediation at the nanoscale the mitigation of environmental pollution is the biggest challenge to researchers and the scientific community hence this book provides answers to some important questions as an advanced hybrid technology nano bioremediation refers to the integration of nanomaterials and bioremediation for the remediation of pollutants the rapid pace of urbanization massive development of industrial sectors and modern agricultural practices all cause a controlled or uncontrolled release of environmentally related hazardous contaminants that are seriously threatening every key sphere including the atmosphere hydrosphere biosphere lithosphere and anthroposphere explores the current and potential applications of nano bioremediation in the remediation of hazardous pollutants outlines the major properties and classes of nanomaterials that make them efficient bioremediation agents assesses the major challenges of effectively implementing bioremediation techniques at the nanoscale

Minerva *1963*

the text presents aspects of virtual worlds and highlights the emerging trends in simulation and modeling comprising machine learning artificial intelligence deep learning robotics cloud computing and data mining algorithms it further discusses concepts including multimedia for the internet of things graphical modeling using emerging technologies and securing communication with secure data transmission in the modeling of virtual worlds this book discusses secure data transmission in the modeling of virtual worlds in the internet of things environment covers the integration of concepts and technical know how about multiple technologies in visual world modeling system configurations and hardware issues explores the use of next generation technologies such as deep learning blockchain and artificial intelligence in visual world modeling scenarios presents architectures and system models for the internet of things based visual world modeling systems provides real time case scenarios highlighting emerging challenges and issues the text is primarily written for senior undergraduate students graduate students and academic researchers in the fields of electrical engineering electronics communications engineering computer engineering and information technology

Together with Python *1960*

advances in smart healthcare systems shs and artificial intelligence ai domains highlight the need for ict systems that aim not only to improve human quality of life but improve safety too shs bring together concepts and methodologies from various fields such as communications and network systems computer science life sciences and healthcare the well known smart healthcare paradigms are real time monitoring devices computer aided surgery devices telemedicine devices population based care devices personalized medicine from a machine learning perspective ubiquities intelligent computing expert decision support systems health 2 0 and internet of things iot this book presents models for the deployment of intelligent computing information and networking technologies to aid in preventing disease improving the quality of care and lowering overall cost it also discusses the potential role of the ai paradigms computational intelligence and machine learning techniques which are used in developing the shs it will provide examples of potential usage of such technology in smart healthcare and and bio medical systems it will be an important read for researchers and professionals working in smart healthcare systems as well as those working in the individual areas of networks artificial intelligence and healthcare who want to see how an interdisciplinary approach can enhance the current technology

Nano-Bioremediation: Fundamentals and Applications 1960

scour and erosion ix contains the peer reviewed scientific contributions presented at 9th international conference on scour and erosion icse 2018 taipei taiwan 5 8 november 2018 and includes recent accomplishments about scour and erosion in field observation experimental laboratory work theoretical development numerical modeling and disaster management the book covers fourteen topics a internal erosion b river coastal estuarine and marine scour and erosion c rock scour and erosion d sediment transport grain scale and continuum scale e

scour and erosion around structures f soil erosion restoration mechanisms and conservation g hillslope conservation and debris flow h geotechnical issues related to scour and erosion i field observation and analyses j scour and erosion testing and experiment k remote sensing instrumentation and monitoring l advanced numerical modelling of scour and erosion m natural hazards due to scour and erosion n management of scour erosion and sediment

Universities Handbook 2022-03-18

this unique volume presents reviews of research in several important areas of applications of mathematical concepts to science and technology for example applications of inverse problems and wavelets to real world systems the book provides a comprehensive overview of current research of several outstanding scholars engaged in diverse fields such as complexity theory vertex coupling in quantum graphs mixing of substances by turbulence network dynamics and architecture processes with rate independent hysteresis numerical analysis of hamilton jacobi bellman equations simulations of complex stochastic differential equations optimal flow control shape optimal flow control shape optimization and aircraft designing mathematics of brain nanotechnology and dna structure and mathematical models of environmental problems the volume also contains contributory talks based on current researches of comparatively young researchers participating in the conference contents part a invited talk in appreciation of dr zakir husain award m zuhair nashed kinematical conservation laws kcl equations of evolution of curves and surfaces k r arun and p prasad systematic discretization of input output maps and control of partial differential equations j heiland v mehrmann and m schmidt vertex couplings in quantum graphs approximations by scaled schrödinger operators p exner complexity leads to randomness in chaotic systems r lozi mathematical modeling for unifying different branches of science engineering and technology n rudraiah on equivalence transformations and exact solutions of a helmholtz type equation o p bhutani and l r chowdhury cognitive radio state of the art and mathematical challenges t nadkar v thumar a patel md z ali khan u b desai and s n merchant part b thematic reviews inverse problems of parameter identification in partial differential equations b jadamba a a khan and m sama finite element methods for hjb equations m boulbrachene dynamics and control of underactuated space systems k d kumar and godard some new classes of inverse coefficient problems in engineering mechanics and computational material science based on boundary measured data a hasanov some recent developments on mathematical aspect of wavelets p manchanda and meenakshi relevance of wavelets and inverse problems to brain a h siddiqi h k sevindir z aslan and c yazici wavelets and inverse problems k goyal and m mehra optimization models for a class of structured stochastic games s k neogy s sinha a k das and a gupta part c contributory talks predator prey relations for mammals where prey suppress breeding q j khan and m al lawatia sei model with varying transmission and mortality rates g rost trajectories and stability regions of the lagrangian points in the generalized chermnykh like problem b s kushvah mhd flow past an infinite plate under the effect of gravity modulation s wasu and s c rajvanshi readership researchers in mathematical modeling numerical analysis and computational mathematics keywords complexity theory vertex coupling in quantum graphs hamilton jacobiâ bellman equation prey and predator model inverse problems and wavelets dynamics and control of under actuated space systems

Modelling of Virtual Worlds Using the Internet of Things *2023-09-06*

the use of ehealth and mhealth interventions for health promotion health professional education and health professional support is on the rise they have a significant potential for learning through their wide reach ability to tailor to specific needs and facilitation of engagement interactivity and collaboration although ehealth and mhealth interventions are invested in quality and effectiveness they vary in their use of theory and instructional design principles based on the perspectives of the disciplines that can influence their work instructional design exemplars in ehealth and mhealth education interventions showcases design exemplars of ehealth and mhealth interventions in health promotion and in education and support of health professionals these exemplars demonstrate the integration of theory and design principles that benefit health professionals and health education covering topics such as healthcare access instructional technology and diverse learning experiences this book is a dynamic resource for health professionals instructional designers educators researchers hospital administrators policymakers researchers and academicians

Innovative Smart Healthcare and Bio-Medical Systems *2016-12-24*

this book is a reference on digital technology and its impact on sustainability providing insight into sustainable practices globally it focuses on the critical practices leading to sustainable initiatives among various organizations it infrastructure communities and government compliance the book describes the green computing paradigms and the impact of a circular economy with a focus on sustainable practices in a post pandemic world sustainable digital technologies trends impacts and assessments discusses the critical factors leading to

sustainable initiatives in a global economy it highlights the impact of digital technology and industry 4 0 in today s world the book focuses on the role responsibility and the effect of the internet of things for digital sustainability and practices it describes implementation strategies for green cloud computing and presents additional strategies for sustainable practices in a post pandemic world this publication is designed for use by technology development academicians data scientists industrial professionals researchers and students interested in uncovering the latest innovations in the field and the current research on problem oriented processing techniques in sustainable and evolutionary computing applications with reduced energy channelization

Scour and Erosion IX *2024-06-28*

this book focuses on the introduction of new and modern maintenance management frameworks of assets in the electricity gas network sector and more specifically on electricity networks for distribution the author describes methodologies for developing and implementing maintenance management maturity models using case studies to show how these have been applied these maturity models are discussed as part of an overarching multi disciplinary organizational maintenance management professionalization framework this book adds a new dimension to the well known reliability centered maintenance rcm method by incorporating failure modes via multiple scenarios into business values by means of statistical risk calculation methods the author demonstrates a method called utility risk linked rcm which uses a statistical tool to develop failure models which can be used to predict future failure behavior of assets in relation to corporate business values this new method is a practical structured and comprehensive framework for assessing risk based maintenance policies the book also proposes a condition monitoring framework that can be used as a guide to assist asset managers in identifying the relationship between failure modes ageing processes to select amongst condition monitoring regimes

Mathematics in Science and Technology *2022-09-29*

agriculture is the backbone of the economy in most countries and its output can be impacted by climate change effects india as well as other countries which are predominantly agricultural are facing various challenges due to increasing population which can be met by technological innovations for sustainable agriculture advanced and innovative technologies in agriculture will not only solve the problems of fulfilling the food requirement of the growing population but also sustain agriculture in the future sustainability of natural resources planning and management addresses the advancement of innovative techniques to address the issues of water scarcity and agricultural yield it discusses various aspects of natural resource management agriculture micro irrigation ai applications for water management and impacts of climate change on water resources this book also deals water resource exploration planning recent geographic information system based studies groundwater modelling and related applications it highlights the optimal strategies for sustainable water resource management and development it also examines precision farming using remote sensing and gis techniques

Madhya Pradeśa Śrama-patrikā *2015-08-21*

protein based biopolymers from source to biomedical applications provides an overview on the development and application of protein biopolymers in biomedicine protein polymers have garnered increasing focus in the development of biomedical materials devices and therapeutics due to their intrinsic bioactivity biocompatibility and biodegradability this book comprehensively reviews the latest advances on the synthesis characterization properties and applications of protein based biopolymers each chapter is dedicated to a single protein class covering a broad range of proteins including silk collagen keratin fibrin and more in addition the book explores the biomedical potential of these polymers from tissue engineering to drug delivery and wound healing this book offers a valuable resource for academics and researchers in the fields of materials science biomedical engineering and r d groups working in pharmaceutical and biomedical industries covers a range of protein based biopolymers including elastin collagen keratin soy and more guides the reader through the fabrication characterization and properties of protein biopolymers explores the biomedical potential of protein biopolymers covering applications such as cancer therapy tissue engineering and drug delivery

Regents' Proceedings *2022-10-13*

this proceedings volume covers the proceedings of ercica 2015 ercica provides an interdisciplinary forum for researchers professional engineers and scientists educators and technologists to discuss debate and promote research and technology in the upcoming areas of computing information communication and their applications the contents of this book cover emerging research areas in fields of computing information communication and applications this will prove useful to both researchers and practicing engineers

Proceedings of the Board of Regents *2014-11-06*

applications of next generation biosurfactants in the food sector provides detailed information on the sustainable approach to the utilization of biosurfactants as a next generational green biotechnology to mitigate various problems encountered in the food industry these biosurfactants help to reduce risks such as food spoilage food poisoning and post harvest losses of fruits vegetable grains tubers cereals and pulses this book will benefit academics r d professionals and postgrad students in the food science and related fields as they explore recent trends in the application of these green biosurfactants and the many uses they can provide provides examples of mathematical modeling metabolomics bioinformatics metabolic engineering systems biology and computer technology for solving real life food challenges using biosurfactants presents biosurfactants as an innovative green biotechnological solution to resolving food safety issues and improving human health includes applications of biosurfactants for the prevention of mycotoxins and as a biodegradable material with a wide variety of uses

Instructional Design Exemplars in eHealth and mHealth Education Interventions *2023-06-20*

the 7th international conference on scour and erosion icse 2014 was organised by the school of civil environmental and mining engineering and the centre for offshore foundation systems at the university of western australia under the guidance of the technical committee 213 for scour and erosion of the international society of soil mechanics and

<u>Sustainable Digital Technologies</u> *2014-04-22*

intelligent and soft computing systems for green energy written and edited by some of the world s top experts in the field this exciting new volume provides state of the art research and the latest technological breakthroughs in next generation computing systems for the energy sector striving to bring the science toward sustainability real world problems need intelligent solutions across many industries and fields intelligent and soft computing systems using such developing technologies as artificial intelligence and internet of things are quickly becoming important tools for scientists engineers and other professionals for solving everyday problems in practical situations this book aims to bring together the research that has been carried out in the field of intelligent and soft computing systems intelligent and soft computing systems involves expertise from various domains of research such as electrical engineering computer engineering and mechanical engineering this book will serve as a point of convergence wherein all these domains come together the various chapters are configured to address the challenges faced in intelligent and soft computing systems from various fields and possible solutions the outcome of this book can serve as a potential resource for industry professionals and researchers working in the domain of intelligent and soft computing systems to list a few soft computing techniques neural based load forecasting iot enabled smart grids and blockchain technology for energy trading whether for the veteran engineer or the student learning the latest breakthroughs this exciting new volume is a must have for any library

Risk-Based Maintenance for Electricity Network Organizations *2023-08-31*

civil engineer samuel c florman s the civilized engineer is aimed at both those observing and commenting externally on engineering and the practicing engineer to reveal something of the art behind great engineering achievements and to stimulate debate upon the author s hypothesis that in its moment of ascendance engineering is faced with the trivialization of its purpose and the debasement of its practice

Sustainability of Natural Resources 2015-11-19

ashwin taksh is a 23 year old small town boy who aspires to work as a scientist at the indian space research organisation isro india s space program which accepts only 0 04 of applicants in june 2017 he is coming out of a failure in his first attempt to qualify for the highly competitive isro entrance exam when he gets admitted to india s prestigious nuclear program instead he accepts even though it s not his first choice he initiates his new job and decides to simultaneously study for the next isro exam quickly learning that this is no ordinary job either it requires him to complete a one year stringent training program in nuclear science engineering at its academy learning the most complex and cutting edge technologies of nuclear fission the further he moves the more he understands the price of achieving a dream career when he begins to develop feelings for one of his colleagues he discovers the politics and groupism of the academy he finds himself cornered by the corruption of the system ashwin must decide whether he is willing to risk his sanity and achievements risking his high end career in the nuclear program for the illustrious career he has always dreamed of this path he chose led him to make choices that pushed his career to the verge of termination what actions and determination brought an academically poor boy into the nuclear program of the world s largest democracy what concoction of passion stubbornness and ego then brought him to the verge of unemployment a rogue scientist the boy who did not sign through its inspirational yet twisted tale gives you the experience of that journey to pursue a goal with an incomprehensible degree of passion

Protein-Based Biopolymers

this book focuses on the interkosmos program which was formed in 1967 marking a fundamentally new era of cooperation by socialist countries led by the soviet union in the study and exploration of space the chapters shed light on the space program that was at that time a prime outlet for the soviet union s aims at becoming a world power interkosmos was a highly publicized russian space program that rapidly became a significant propaganda tool for the soviet union in the waning years of communism billed as an international research cosmonaut imperative it was also a high profile means of displaying solidarity with the nine participating eastern bloc countries those countries contributed pilots who were trained in moscow for week long guest missions on orbiting salyut stations they did a little subsidiary science and were permitted only the most basic mechanical maneuvers in this enthralling new book and following extensive international research the authors fully explore the background accomplishments and political legacy of the interkosmos program through personal and often highly revealing interviews with many of the participants they relate the very human story behind this extraordinary but controversial space venture

Emerging Research in Computing, Information, Communication and Applications

Applications of Next Generation Biosurfactants in the Food Sector

Scour and Erosion

Intelligent and Soft Computing Systems for Green Energy

The Civilized Engineer

The Boy Who Did Not Sign

Interkosmos