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Graduate and undergraduate program of study in electrical engineering Springer

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.

Basic Electrical Engineering Semester-II (RTM) Nagpur

University Springer Nature Basic Electrical and Electronics Engineering-II: For WBUT is a student-friendly, practical and example-driven book that gives students a solid foundation in the basics of electrical and electronics engineering. The contents have been tailored to exactly correspond with the requirements of the core course, Basic Electrical and Electronics Engineering-II, offered to the students of West Bengal University of Technology in their first year. A rich collection of solved examples and chapters mapped to the university syllabus make this book indispensable for students.

Advances in Face Image Analysis: Techniques and Technologies

Springer

This Book Has Been Written For B.Tech/B.E. First Year Students Of All Engineering

Colleges. It Consists Of Eleven Chapters In All, Covering The Complete Topics Systematically And Exhaustively. At The End Of Each Chapter Summary, Objectives, Fill In The Blank, True And False, Matching Type Questions And Unsolved Examples Has Been Added To Make The Book Complete In All Respect. This Book Will Prove To Be Beneficial To The Students To Prepare For The Regular University Examinations And Also For The Competitive Examinations. Another Positive Aspect Of This Book Is That It Is Written In A Simple Language, In Order To Enable The Students To Grasp The

Subject Easily. The Author Has Endeavoured To Make This Book Simple And Precise To Save On Time.

Advanced Multimedia and Ubiquitous Engineering CRC Press Basic Electrical and Electronics Engineering: For PTU is a student-friendly, practical and example-driven book that gives students a solid foundation in the basics of electrical and electronics engineering. The contents have been tailored to exactly correspond with the requirements of the core course, Basic Electrical and Electronics Engineering, offered to the students of Punjab Technical University in their first year. A rich collection of solved examples and chapters

mapped to the university syllabus make this book indispensable for students.

ICCWS2014- 9th International Conference on Cyber Warfare & Security Springer Nature

This book presents carefully selected contributions devoted to the modern perspective of AI research and innovation. This collection covers several areas of applications and motivates new research directions. The theme across all chapters combines several domains of AI research, Computational Intelligence and Machine Intelligence including an introduction to the recent research and models. Each of the subsequent chapters reveals leading edge research and innovative solution that employ AI techniques with an applied perspective. The problems include classification of spatial images, early smoke detection in outdoor space from video images, emergent segmentation from image analysis, intensity modification in images, multi-agent modeling and analysis of

stress. They all are novel pieces of publisher.

work and demonstrate how AI research contributes to solutions for difficult real world problems that benefit the research community, industry and society.

Intelligent Computing RAJATH PUBLISHERS

More than 30 leading experts from around the world provide comprehensive coverage of various branches of face image analysis, making this text a valuable asset for students, researchers, and practitioners engaged in the study, research, and development of face image analysis techniques.

Best Question Bank for Basic Electrical and Electronics Engineering Cambridge University Press

"This book provides the latest empirical research and theoretical frameworks in the area of information security, presenting research on developing sufficient security measures for new environments by discussing challenges faced by researchers as well as unconventional solutions to these problems"--Provided by

Elements of Electrical Engineering (Gujarat Technological University) Springer

With the recent growth of big data and the internet of things (IoT), individuals can now upload, retrieve, store, and collect massive amounts of information to help drive decisions and optimize processes. Due to this, a new age of predictive computing is taking place, and data can now be harnessed to predict unknown occurrences or probabilities based on data collected in real time.

Predictive Intelligence Using Big Data and the Internet of Things highlights state-of-the-art research on predictive intelligence using big data, the IoT, and related areas to ensure quality assurance and compatible

IoT systems. Featuring coverage on predictive application scenarios to discuss these breakthroughs in real-world settings and various methods, frameworks, algorithms, and security concerns for predictive intelligence, this book is ideally designed for academicians, researchers, advanced-level students, and technology developers.

Commerce, Complexity, and Evolution Springer
Evolutionary approach to systems from the entire economy to the behaviour of single markets.

Information Security in Diverse Computing Environments Springer

The three volume set LNAI 4251, LNAI 4252, and LNAI 4253 constitutes the refereed proceedings of the 10th International Conference on Knowledge-

Based Intelligent Information and Engineering Systems, KES 2006, held in Bournemouth, UK, in October 2006. The 480 revised papers presented were carefully reviewed and selected from about 1400 submissions. The papers present a wealth of original research results from the field of intelligent information processing.

Predictive Intelligence Using Big Data and the Internet of Things Academic Conferences Limited
E-Commerce has brought about many changes in organizations and has had significant impacts on the quality of life that is experienced by individuals or even indirectly as members of society. The need to have fast and efficient information on products is crucial to our socially conscious and technologically dependent society; hence, information technology has increased the intolerable burden of handling the increasing

amount of information and human errors which the society is expected to contend with. The Economic and Social Impacts of E-Commerce addresses issues associated with the advent of e-commerce, and its significance within society.

Electrode Materials for Energy Storage and Conversion Woodhead Publishing

During recent decades we have witnessed not only the introduction of automation into the work environment but we have also seen a dramatic change in how automation has influenced the conditions of work. While some 30 years ago the addition of a computer was considered only for routine and boring tasks in support of humans, the balance has dramatically shifted to the computer being able to perform almost any task the human is willing to delegate. The very fast pace of change in processor and information technology has

been the main driving force behind this development.

Advances in automation and especially Artificial Intelligence (AI) have enabled the formation of a rather unique team with human and electronic members. The team is still supervised by the human with the machine as a subordinate associate or assistant, sharing responsibility, authority and autonomy over many tasks. The requirement for teaming human and machine in a highly dynamic and unpredictable task environment has led to impressive achievements in many supporting technologies. These include methods for system analysis, design and engineering and in particular for information processing, for cognitive and complex knowledge [1] engineering .

Autonomous Robotic

Systems Springer Nature

This book has been written for the BE/B.Tech students

of All University with latest syllabus for ECE, EEE, CSE, IT, Mechanical, Bio Medical, Bio Tech, BCA, MCA and All B.Sc Department Students. The basic aim of this book is to provide a basic knowledge in Basic Electrical and Electronics Engineering. This Basic Electrical and Electronics Engineering Question bank is used for engineering students of degree, diploma & AMIE courses and a useful reference for these preparing for competitive examinations. All the concepts are explained in a simple, clear and complete manner to achieve progressive learning. This book is divided into five chapter question banks. Each chapter is well supported with the necessary illustration practical

examples and solved problems.

Applied Reliability Engineering and Risk

Analysis Springer Nature

Artificial Intelligence will either be the best or worst thing to happen to humanity.

We do not yet know which. –

Stephen Hawking As AI

becomes more pervasive in

every aspect of human life,

there is an urgent need to

understand it and harness it in

a way that benefits mankind.

But where do we begin? Will

AI Dictate the Future breaks

down this complex subject by

examining AI's impact on key

sectors of our societies. Each

chapter delves into one sector

in turn, probing the myriad

risks and opportunities

brought about by AI:

Healthcare Law

Manufacturing Cybersecurity

Mobility Financial Services

Education Satellite Systems

Government Written by Dr

Anton Ravindran, together

with chapters contributed by leading experts in their fields, this invaluable book provides a clear, comprehensive and authoritative look at how AI – managed wisely – can change the world for the better.

Space Resource Utilization: A View from an Emerging Space Faring Nation

Academic Conferences and publishing limited

This book constitutes the proceedings of the First International Conference on Smart Multimedia, ICSM 2018, which was held in Toulon, France, in August 2018. The 39 papers presented were selected from about 100 submissions and are grouped in sections on social, affective and cognition analysis, person-centered smart multimedia: serving people with disabilities to the general population, haptic and

robots for smart multimedia applications, MR, 3D, underwater image processing, smart signal processing meets smart sensing, visual behavior analysis: methods and applications, video analysis, learning, low-level vision, miscellaneous.

Human Aspects of Information Security and Assurance

Springer Nature

This book focuses on English as a Medium of Instruction practices in higher education in Vietnam, addressing institutional, practitioner and student perspectives. It presents theoretical standpoints and empirical experiences of how institutional policies are enacted in the offering of English as a Medium of Instruction programs in universities in Vietnam, and how the disciplinary content is taught and learned through

English. The book showcases the enactment of curricular and pedagogical practices in the classroom, drawing on a range of different disciplines central to university education. It also explores the roles of mother tongues in the construction of disciplinary knowledge in English as a Medium of Instruction programs and courses. This book provides guidance and practical information for university English as a Medium of Instruction policy makers, lecturers and student support teams in English for academic purposes across disciplines, as well as to the theoretical framing of the English as a Medium of Instruction field itself.

BASIC ELECTRICAL ENGINEERING S. Chand Publishing

This book constitutes the proceedings of the 16th IFIP WG 11.12 International Symposium on Human

Aspects of Information Security and Assurance, HAISA 2022, held in Mytilene, Lesbos, Greece, in July 2022. The 25 papers presented in this volume were carefully reviewed and selected from 30 submissions. They are organized in the following topical sections: cyber security education and training; cyber security culture; privacy; and cyber security management. *Recent Advances in Knowledge-based Paradigms and Applications* IGI Global This book constitutes the presentations made at the Advanced Research Workshop on Autonomous Robotic Systems, which was held at the University of Coimbra, Portugal, June 1997. The aim of the meeting was to bring together leading researchers in the area of autonomous systems for mobility and manipulation, and the aim of this book is to share the presentations with the reader. The book presents the most recent developments in the field.

Topics include sensors and navigation in mobile robots, robot co-operation, telerobotics, legged robots, climbing robots and applications. Existing and emerging applications of autonomous systems are described in great detail, including applications in forestry, cleaning, mining, tertiary buildings, assistance to the elderly and handicapped, and surgery. The chapters are written in a structured and advanced tutorial style by leading specialists from Europe, Australia, Japan and USA. The style will allow the reader to grasp the state-of-the-art and research directions in the area of autonomous systems.

**Martindale-Hubbell
International Law Directory**
Springer

The book speaks to the need for a regulatory framework with regards to space resource utilization. In doing so, significant elements of the subject matter have been explored, taking into account the different phases of a space

mission and the perspectives of the various actors and participants in the space arena. The book tackles the subject matter from a number of angles. An analysis of the current national and international governance frameworks is performed, with regards to resource extraction and utilization in space. The view of established and emerging space nations is analyzed next, specifically with extraction and utilization in mind, and in light of the new United State (US) Commercial Space Launch Competitiveness Act (CSLCA) of 2015. A brief analysis of the various budgets allocated to space exploration is given.

The International Guide to Undergraduate Engineering Programs Springer Nature

The book provides an encompassing overview of all aspects relating to the sharing economy paradigm

in different fields of study, and shows the ongoing research efforts in filling previously identified gaps in understanding in this area. Control and optimization analytics for the sharing economy explores bespoke analytics, tools, and business models that can be used to help design collaborative consumption services (the shared economy). It provides case studies of collaborative consumption in the areas of energy and mobility. The contributors review successful examples of sharing systems, and explore the theory for designing effective and stable shared-economy models. They discuss recent innovations in and uses of shared economy models in niche areas, such as energy and mobility. Readers learn the scientific challenging issues associated with the realization of a sharing economy. Conceptual and practical matters are examined, and the state-of-the-art tools and techniques to address such applications are explained. The contributors also show readers how topical problems in engineering, such as energy consumption in power grids, or bike sharing in transportation networks, can be formulated and solved from a general collaborative consumption perspective. Since the book takes a mathematical perspective to the topic, researchers in business, computer science, optimization and control find it useful. Practitioners also use the book as a point of reference, as it explores and investigates the analytics behind economy sharing.