Anna University Engineering Business Concepts Notes

This volume contains revised and extended research articles written by prominent researchers participating in the conference. Topics covered include engineering physics, communications systems, control theory, automation, engineering mathematics, scientific computing, industrial engineering, and industrial applications. IAENG Transactions on Engineering Technologies: Special Issue of the International MultiConference of Engineers and Computer Scientists 2012 offers the state of art of tremendous advances in engineering technologies and physical science and applications, and also serves as an excellent reference work for researchers and graduate students working with/on engineering technologies and physical science and applications.

Using the same strategy for the needs of image processing and pattern recognition, scientists and researchers have turned to computational intelligence for better research throughputs and end results applied towards engineering, science, business and financial applications. Handbook of Research on Computational Intelligence for Engineering, Science, and Business discusses the computation intelligence approaches, initiatives and applications in the engineering, science and business fields. This reference aims to highlight computational intelligence as no longer limited to computing-related disciplines and can be applied to any effort which handles complex and meaningful information.

This book includes recent theoretical and practical advancements in green composite materials and advanced manufacturing technology. It provides important original and theoretical experimental results which use nonroutine technologies often unfamiliar to some readers and covers novel applications of more familiar experimental techniques and analyses of composite problems. Green Materials and Advanced Manufacturing Technology: Concepts and Applications provides insight and a better understanding into the development of green composite materials and advanced manufacturing technology used in various manufacturing sectors. It highlights recent trends in the fields of green composites, metal matrix composites, ceramic matrix composites, surface modification using laser cladding, types of dust collectors in waste management and recycling in industries, machinability studies of metals and composites using surface grinding, drilling, electrical discharge machining, joining of metals using friction stir welding, shielded metal arc welding, and linear friction welding. This book is written for engineering students, postgraduate students, research scholars, faculty members, and industry professionals who are engaged in green composite materials and development of advanced manufacturing technology.

The book explains how to emerge and grow as a supply chain leader and details supply chain and procurement processes and operational activities in real-work scenarios across multiple supply chain verticals. The book defines what an entry-level supply chain professional must do to excel in various types of supply chain verticals such as IT, electronics manufacturing, pharmaceutical, retail, and consumer goods. Apart from helping professionals understand vertical specific nuances, this book helps them to set both short-term goals for annual performance review and longer-term career planning.

In addition, for a mid- or senior-level supply chain professional, the book offers ideas on ways to launch initiatives and demonstrate leadership to foster career growth. It offers ideas about unlocking new values for the organization and creating a data-driven decision support platform to gain financial efficiency for better management of CapEx and OpEx spend, thus improving the bottom line. The book includes a tool kit which includes operational data models, financial models, and presentation templates for creating and socializing proposals intended for cross-functional teams and demonstrating supply chain leadership. The book is divided into four major parts. In Part I, the book starts with an overview of key concepts in a manufacturing supply chain and procurement organization. It describes current forms of modern global supply chain and corporate procurement organizations. The objective of Part II is to provide a framework for a self-directed supply chain manager to understand how a large organization evaluates the contribution of supply chain managers and where it expects them to create value. To foster career growth as a supply chain professional, the book identifies six key knowledge pillars for demonstrating supply chain mastery: Technical and market knowledge of the end product and its constituents. Knowledge of internal product development and sustaining processes and supporting consumption data. Health and market condition of the supplier. Ability to create value. Ability to build internal and external executive relationships with key influencers. Ability to obtain best cost without compromising on quality and lead time. Negotiating cost, sourcing material, and then the logistics of moving the raw material through multiple stages and finally finished materials across the globe are some of the key areas which need continuous improvement. As a sentinel of efficiency, removing any kind of wastage leads to immediate value creation and contributes to the margin by improving the bottom line. In Part III, the book reviews twelve such verticals namely printer, medical, IT, energy, automotive, cloud, dairy, data management, avionics, biotech, apparel and start up and the supply chain nuances through the lenses of the framework created in Part II. In Part IV, the book goes back to focus on the professional growth of an individual supply chain person in an industry agnostic way. It provides examples of financial and operational efficiencies that a supply chain professional can create.

Management leaders must constantly be prepared to correct the deviant behaviors of their employees and redirect the negative energy for the betterment of all. Ignoring this type of destructive behavior not only spoils the overall work environment for employees, but also risks the loss of quality, talented personnel. Analyzing Workplace Deviance in Modern Organizations is an essential reference source containing innovative research on best practices for adopting and implementing employee deviance remedial strategies. While highlighting topics including conflict resolution, cultural issues, and deviant behavior, this book is ideally designed for executives, managers, directors, business professionals, industry practitioners, human resources managers, policymakers, researchers, academicians, and students working in management, organizational behavior, human resources, and employee relations fields.

The purpose of this edited book is to provide the relevant technologies and case studies in a concise format that will simplify and streamline the processing of blockchain. The goal is for the contents of this book to change the way business transformations are conducting in economic and social systems. The book examines blockchain technology, the transaction attributes, and its footprint in various fields. It

offers fundamentals and terminologies used in blockchain, architecture, and various consensus mechanisms that can be deployed in areas such as healthcare, smart cities, and supply chain management. The book provides a widespread knowledge into the deployment of security countermeasures that can be implemented for a blockchain network and enables the reader to consider the management of business processes and the implementation process in detail. The book highlights the challenges and provides various e-business case studies of security countermeasures. The book serves researchers and businesses by providing a thorough understanding of the transformation process using blockchain technology.

The primary focus of this book is on building up a conceptual framework for developing marketing strategies for the corporate enterprise. The book offers an insight into each facet of the marketer's role in relationship to an organization. It highlights the knowledge, the skills and the competencies necessary for marketers to succeed in today's competitive world, and bridges the gap between the theory of marketing and the realities of the high-tech market. This NEW edition includes comprehensive coverage of the funda-mentals of marketing and a discussion on market-focused business strategy. It offers several case study scenarios that let students analyse decisions and practices of marketing wisdom. There is a series of chapter vignettes on contemporary issues in marketing. Chapter-end self-testing material includes a summary, numerous review questions and several discussion questions to help students understand the major concepts and tools of marketing. This book is primarily written for postgraduate students of Business Administration (MBA) for courses in Principles of Marketing/Marketing Management. This book can also be used to advantage by undergraduate students of Business Administration (BBA) for courses in marketing, and by students of engineering where an elective course on Marketing Management is prescribed.

Seminar paper from the year 2016 in the subject Business economics - Marketing, Corporate Communication, CRM, Market Research, Social Media, grade: 1,0, Linnaeus University, course: Innovation through Business, Engineering and Design, language: English, abstract: This report will critically analyse the design concepts for the case company by competiveness and customer expectations. Finally it will be critically reflected up on the case company's current situation and opportunities for the future. How does rivalry in a market as well as customer expectations influence the process of a design concept from a business perspective? To create a meaningful, successful product, market insights and knowledge about customer expectations are needed. Knowing the customer's desires helps to develop meaningful products that meet market demands. Besides being aware of the motivation for a product introduction, knowing the products market is crucial. Competition can make or break a products future. The desire to expand or enter a new market can lead to many avoidable mistakes. These hurdles can be circumvented by doing a thorough competitor analysis so that no unpleasant surprise waits around the corner.

For designers of medical devices, the FDA and ISO requirements are extremely stringent. Designers and researchers feel pressure from management to quickly develop new devices, while they are simultaneously hampered by strict guidelines. The Six Sigma philosophy has solved this dichotomous paradigm for organizations in other fields, and seeks to do

Due to the growing use of web applications and communication devices, the use of data has increased throughout various industries, including business and healthcare. It is necessary to

develop specific software programs that can analyze and interpret large amounts of data quickly in order to ensure adequate usage and predictive results. Cognitive Analytics: Concepts, Methodologies, Tools, and Applications provides emerging perspectives on the theoretical and practical aspects of data analysis tools and techniques. It also examines the incorporation of pattern management as well as decision-making and prediction processes through the use of data management and analysis. Highlighting a range of topics such as natural language processing, big data, and pattern recognition, this multi-volume book is ideally designed for information technology professionals, software developers, data analysts, graduate-level students, researchers, computer engineers, software engineers, IT specialists, and academicians.

Convergence of Blockchain Technology and E-BusinessConcepts, Applications, and Case StudiesCRC Press

This book presents a collection of the most current research into systemic creativity and TRIZ, engendering discussion and the exchange of new discoveries in the field. With chapters on idea generation, decision making, creativity support tools, artificial intelligence and literature based discovery, it will include a number of instruments of inventive design automation. Consisting of 15-20 chapters written by leading experts in the theory for inventive problem solving (TRIZ) and adjacent fields focused upon heuristics, the contributions will add to the method of inventive design, dialogue with other tools and methods, and teaching creativity in management education through real-life case studies.

"This book looks at theory, design, implementation, analysis, and application of handheld computing under four themes: handheld computing for mobile commerce, handheld computing research and technologies, wireless networks and handheld/mobile security, and handheld images and videos"--Provided by publisher.

Welcome to the International Conference on Inter Disciplinary Research in Engineering and Technology (ICIDRET) 2015 in DSIIDC, Government of NCT, New Delhi, India, Asia on 29 – 30 April, 2015. If this is your first time to New Delhi, you need to look on more objects which you could never forget in your lifetime. There is much to see and experience at The National Capital of Republic of India. The concept of Inter Disciplinary research was a topic of focus by various departments across the Engineering and Technology area. Flushing with major areas, this ICIDRET '15 has addressed the E&T areas like Mechanical Engineering, Civil Engineering, Electrical Engineering, Bio-Technology, Bio-Engineering, Bio-Medical, Computer Science, Electronics & Communication Engineering, Management and Textile Engineering. This focus has brought a new insight on the learning methodologies and the terminology of accepting the cross definition of engineering and the research into it. We invite you to join us in this inspiring conversation. I am pretty sure that this conference would indulge the information from the various parts of the world and could coin as a global research gathering. With more and more researchers coming into ICIDRET, this event would be as an annual event. This conference is sure that, this edition and the future edition will serve as a wise platform for the people to come with better research methodologies integrating each and every social component globally. If there would have been a thought of not integrating the RJ45 and few pieces of metal / plastic along with a PCB, today we could haven't used the telephones and mobile phones. With an ear-mark inspiration and constant support from the Global President Dr. S. Prithiv Rajan, ASDF International President Dr. P. Anbuoli, this publication stands in front of your eyes, without them this would haven't been possible in a very shortest span. Finally, I thank my family, friends, students and colleagues for their constant encouragement and support for making this type of conference. -- Kokula Krishna Hari K Editor-in-Chief www.kokulakrishnaharik.in

The book presents the best articles presented by researchers, academicians and industrial experts in the International Conference on "Innovative Design, Analysis and Development

Practices in Aerospace and Automotive Engineering". The book discusses new concept designs, analysis and manufacturing technologies, where more swing is for improved performance through specific and/or multifunctional linguistic design aspects to downsize the system, improve weight to strength ratio, fuel efficiency, better operational capability at room and elevated temperatures, reduced wear and tear, NVH aspects while balancing the challenges of beyond Euro IV/Barat Stage IV emission norms, Greenhouse effects and recyclable materials. The innovative methods discussed in the book will serve as a reference material for educational and research organizations, as well as industry, to take up challenging projects of mutual interest.

Businesses consistently work on new projects, products, and workflows to remain competitive and successful in the modern business environment. To remain zealous, businesses must employ the most effective methods and tools in human resources, project management, and overall business plan execution as competitors work to succeed as well. Advanced Methodologies and Technologies in Business Operations and Management provides emerging research on business tools such as employee engagement, payout policies, and financial investing to promote operational success. While highlighting the challenges facing modern organizations, readers will learn how corporate social responsibility and utilizing artificial intelligence improve a company's culture and management. This book is an ideal resource for executives and managers, researchers, accountants, and financial investors seeking current research on business operations and management.

Designed as a textbook for undergraduate students in various engineering disciplines—Mechanical, Civil, Industrial Engineering, Electronics Engineer-ing and Computer Science—and for postgraduate students in Industrial Engineering and Water Resource Management, this comprehensive and well-organized book, now in its Second Edition, shows how complex economic decisions can be made from a number of given alternatives. It provides the managers not only a sound basis but also a clear-cut approach to making decisions. These decisions will ultimately result in minimizing costs and/or maximizing benefits. What is more, the book adequately illustrates the concepts with numerical problems and Indian cases. While retaining all the chapters of the previous edition, the book adds a number of topics to make it more comprehensive and more student friendly. What's New to This Edition • Discusses different types of costs such as average cost, recurring cost, and life cycle cost. • Deals with different types of cost estimating models, index numbers and capital allowance. • Covers the basics of nondeterministic decision making. • Describes the meaning of cash flows with probability distributions and decision making, and selection of alternatives using simulation. • Discusses the basic concepts of Accounting. This book, which is profusely illustrated with worked-out examples and a number of diagrams and tables, should prove extremely useful not only as a text but also as a reference for those offering courses in such areas as Project Management, Production Management, and Financial Management.

Collected here are 112 papers concerned with new directions in manufacturing systems, given at the 41st CIRP Conference on Manufacturing Systems. The high-quality material includes reports of work from both scientific and engineering standpoints.

Legal Aspects of Business is an important constitute of the business and

corporate environment. No Corporate entity can effectively work and survive without meeting legal obligations. This book says it all in the form of Questions and Answers. Questions are framed in such a way that the readers will be able to quickly connect with the content and subject. The appropriate answers given under each question will lessen the burden of the students unlike the conventional means, where learners try to navigate for answers for hours and hours.

This book constitutes the refereed proceedings of the 25th International Conference on Conceptual Modeling, ER 2006, held in Tucson, AZ, USA in November 2006. The 37 revised full papers presented together with two keynote talks, two panel session papers, six industrial papers, and five demo/posters papers were carefully reviewed and selected from 158 submissions.

This book constitutes the thoroughly refereed post-conference proceedings of the first International Symposium on Intelligent Informatics (ISI'12) held in Chennai, India during August 4-5, 2012. The 54 revised papers presented were carefully reviewed and selected from 165 initial submissions. The papers are organized in topical sections on data mining, clustering and intelligent information systems, multi agent systems, pattern recognition, signal and image processing and, computer networks and distributed systems. The book is directed to the researchers and scientists engaged in various fields of intelligent informatics. From simple cases such as hook and latch attachments found in Velcro to articulated-wing flying vehicles, biology often has been used to inspire many creative design ideas. The scientific challenge now is to transform the paradigm into a repeatable and scalable methodology. Biologically Inspired Design explores computational techniques and tools that can help integrate the method into design practice. With an inspiring foreword from Janine Benyus, Biologically Inspired Design contains a dozen chapters written by some of the leading scholars in the transdisciplinary field of bioinspired design, such as Frank Fish, Julian Vincent and Jeannette Yen from biology, and Amaresk Chakrabarti, Satyandra Gupta and Li Shu from engineering. Based in part on discussions at two workshops sponsored by the United States National Science Foundation, this volume introduces and develops several methods and tools for bioinspired design including: Information-processing theories, Natural language techniques, Knowledge-based tools, and Functional approaches and Pedagogical techniques. By exploring these fundamental theories, techniques and tools for supporting biologically inspired design, this volume provides a comprehensive resource for design practitioners wishing to explore the paradigm, an invaluable guide to design educators interested in teaching the method, and a preliminary reading for design researchers wanting to investigate bioinspired design.

Food Waste to Valuable Resources: Applications and Management compiles current information pertaining to food waste, placing particular emphasis on the themes of food waste management, biorefineries, valuable specialty products and technoeconomic analysis. Following its introduction, this book explores new

valuable resource technologies, the bioeconomy, the technoeconomical evaluation of food-waste-based biorefineries, and the policies and regulations related to a food-waste-based economy. It is an ideal reference for researchers and industry professionals working in the areas of food waste valorization, food science and technology, food producers, policymakers and NGOs, environmental technologists, environmental engineers, and students studying environmental engineering, food science, and more. Presents recent advances, trends and challenges related to food waste valorization Contains invaluable knowledge on of food waste management, biorefineries, valuable specialty products and technoeconomic analysis Highlights modern advances and applications of food waste bioresources in various products' recovery

Python is a popular object-oriented language used for both standalone programs and scripting applications in a variety of domains. It's free, portable, powerful, and remarkably easy to use. Whether you're new to programming or a professional developer, this book's goal is to bring you up to speed on the core Python language in a hurry. This book explores ways to apply the Python programming language in common application domains and realistically scaled tasks. It's about what you can do with the language once you've mastered its fundamentals. This book is an experiment in not starting from scratch, but instead "remixing" the content from w3schools and others. The next edition of this book will more precisely discuss on the GUI and database concepts.

A prerequisite for good entrepreneurial management is an enterprising attitude on the part of the people involved. Productivity of an organization can only be improved with proper management. The influences of family, social institutions, governance and leadership also play a significant role in the management of an organization. Common managerial challenges such as competition, resource scarcity, shortage of power and capital, technology upgradation and cost of production require the attention of policy makers. Creating and developing an entrepreneurial mindset in people, would help an organization face all challenges to enhancing the life of a product in the marketplace. To motivate people and achieve growth, leaders are required to navigate both internal and external conflicts. Consequently, the role of entrepreneurial leadership and management becomes important for students as well as entrepreneurs. All these issues are dealt with in this volume on entrepreneurial management consisting of 14 papers, written by management professionals, faculty, research scholars, consultants and administrators.

A four-color journey through a complete Tableau visualization Tableau is a popular data visualization tool that's easy for individual desktop use as well as enterprise. Used by financial analysts, marketers, statisticians, business and sales leadership, and many other job roles to present data visually for easy understanding, it's no surprise that Tableau is an essential tool in our data-driven economy. Visual Analytics with Tableau is a complete journey in Tableau visualization for a non-technical business user. You can start from zero, connect your first data, and get right into creating and publishing awesome visualizations and insightful dashboards. • Learn the different types of charts you can create • Use aggregation, calculated fields, and parameters • Create insightful maps • Share interactive dashboards Geared toward beginners looking to get their feet wet with Tableau, this book makes it easy and approachable to get started right away.

"The purpose of this edited book is to provide the relevant technologies and case studies in a

concise format that will simplify and streamline the processing of blockchain. The goal is for the contents of this book to change the way business transformations are conducting in economic and social systems. The book examines blockchain technology, the transaction attributes, and its footprint in various fields. It offers fundamentals and terminologies used in blockchain, architecture, and various consensus mechanisms that can be deployed in areas such as healthcare, smart cities, and supply chain management. The book provides a widespread knowledge into the deployment of security countermeasures that can be implemented for a blockchain network and enables the reader to consider the management of business processes and the implementation process in detail. The book highlights the challenges and provides various e-business case studies of security countermeasures. The book serves researchers and businesses by providing a thorough understanding of the transformation process using blockchain technology"--

In recent years, the pace of technological growth—from the very first stages of research and development to full-scale industrial implementation—has quickened at an exponential rate. To better keep pace with rapidly-changing market demands, the gap between university research incubators and public-sector start-up companies has undergone a marked contraction. Competitive Strategies for Academic Entrepreneurship: Commercialization of Research-Based Products seeks to fill the gap in research between universities and the public, and offers cutting-edge insight into the current state of the field. Charting a course that moves from discussions of academic resistance and implications for knowledge-transfer theory to current case-studies of academic/industrial launch-pads like COTEC's Technology Commercialization Accelerator and the Maryland Industrial Partnerships program, this publication targets an audience of academicians, administrators, researchers, entrepreneurs, and established professionals, and seeks to provide insight into the mechanisms by which the research of today becomes the household names of tomorrow.

This textbook provides complete coverage of the subject. Starting with a detailed description of organisational structure, relationships and culture, the text proceeds to discuss the topics such as nature of power in organisation, leadership, organisational change and organisational environment. An elaborate account of business process reengineering with respect to methodology, planning, and its relationship with IT industry is given. Finally, the text describes e-business process and knowledge management in detail. The text is profusely illustrated with numerous flow charts and diagrams. Review questions are included at the end of every chapter to help students check their understanding of the subject. This textbook is primarily designed for the students of MCA for a course in business process. It will be also useful to the students of MBA and BCA.

The book is a collection of best papers presented at the International Conference on Intelligent Computing and Applications (ICICA 2018), held at Velammal Engineering College, Chennai, India on 2–3 February 2018. Presenting original work in the field of computational intelligence and power and computing technology, it focuses on soft computing applications in power systems; power-system modeling and control; FACTS devices – applications in power systems; power-system stability and switchgear and protection; power quality issues and solutions; smart grids; green and renewable energy technologies; optimization techniques in electrical systems; power electronics controllers for power systems; power converters and modeling; high voltage engineering; diagnosis and sensing systems; and robotics.

Information and communication technology (ICT) has become a generic and indispensable tool for addressing and solving problems in such diverse areas as management, social and health services, transportation, security and education. As the cost of equipment drops dramatically, it also becomes widely accessible in the developing countries. However, problems of high costs for adequate training of personnel, access to state-to-the-art software and the consultancies needed to facilitate access to ICT can constitute highly dissuasive factors in the dissemination

of ICT in developing countries. This volume describes a series of successful initiatives for the insertion of ICT in developing economies. It also identifies significant problems that are likely to be encountered, and suggests useful solutions to these problems. It therefore serves as a useful tool for example applications, and for the successful assimilation of these technologies in developing societies and countries. Contents:Algorithm and Computation:Combinatorial Generation of Matroid Representations: Theory and Practice (P Hlineny)Detection of Certain False Data Races from Runtime Traces (K Sinha & R Gupta)Accelerating Boolean SAT Engines Using Hyper-Threading Technology (T Schubert et al.)Community Informatics:THINK!: Towards Handling Intuitive and Nurtured Knowledge (V Ananthakrishnan & R Tripathi)Design and Development of a Data Mining System for Superstore Business (S M Shamimul Hasan & I Haque)Innovative Applications for the Developing World:Locating Cell Phone Towers in a Rural Environment (H A Eiselt & V Marianov)Mobile and Ubiquitous Computing:Mobile Payments: Partner or Perish? (E Lawrence et al.)Combadge: A Voice-Messaging Device for the Masses (J L Frankel & D Bromberg)Natural Language Processing:An Implementation Level Formal Model for Javabeans (B P Upadhyaya & B Keshari)Soft Computing:A Symmetric Encryption Technique through Recursive Modulo-2 Operation of Paired Bits of Streams (RMOPB) (P K Jha & J K Mandal)Software Reliability Growth Modeling for Exponentiated Weibull Function with Actual Software Failures Data (U Bokhari & N Ahmad)Speech Recognition:Recognition of Facial Pattern by Modified Kohonen's Self-Organizing Map (MKSOM) and Analyze of Performance (S M Kamrul Hasan et al.)Others:Intrusion Detection System (IDS) Using Network Processor (P G Shete & R A Patil)and other papers Readership: Hardware and software providers, consultants, and academics in information technology, particularly those involved in Third World development. Keywords:Information Technology;Communication Technology;Software Systems;Developing Countries

Artificial Intelligence (AI) for Risk Management is about using AI to manage risk in the corporate environment. The content of this work focuses on concepts, principles, and practical applications that are relevant to the corporate and technology environments. The authors introduce AI and discuss the different types, capabilities, and purposes–including challenges. With AI also comes risk. This book defines risk, provides examples, and includes information on the risk-management process. Having a solid knowledge base for an AI project is key and this book will help readers define the knowledge base needed for an AI project by developing and identifying objectives of the risk-knowledge base and knowledge acquisition for risk. This book will help you become a contributor on an AI team and learn how to tell a compelling story with AI to drive business action on risk.

th This book contains papers accepted for presentation at the 4 International Conference on Computer Recognition Systems CORES'05, May 22-25, 2005, Rydzyna Castle (Poland), This conference is a continuation of a series of con ferences on similar topics (KOSYR) organized each second year, since 1999, by the Chair of Systems and Computer Networks, Wroclaw University of Tech nology. An increasing interest to those conferences paid not only by home but also by foreign participants inspired the organizers to transform them into conferences of international range. Our expectations that the community of specialists in computer recognizing systems will find CORES'05 a proper form of maintaining the tradition of the former conferences have been confirmed by a large number of submitted papers. Alas, organizational constraints caused a necessity to narrow the acceptance criteria so that only 100 papers have been finally included into the conference program. The area covered by accepted papers is still very large and it shows how vivacious is scientific activity in the domain of computer recognition methods and systems. It contains vari ous theoretical approaches to the recognition problem based on mathematical statistics, fuzzy sets, morphological

methods, wavelets, syntactic methods, genetic algorithms, artificial neural networks, ontological models, etc. Most attention is still paid to visual objects recognition; however, acoustic, tex tual and other objects are also considered. Among application areas medical problems are in majority; recognition of faces, speech signals and textual in formation processing methods being also investigated.

This book explores the concepts and techniques of IoT, AI, and blockchain. Also discussed is the possibility of applying blockchain for providing security in various domains. The specific highlight of this book is focused on the application of integrated technologies in enhancing data models, better insights and discovery, intelligent predictions, smarter finance, smart retail, global verification, transparent governance, and innovative audit systems. The book allows both practitioners and researchers to share their opinions and recent research in the convergence of these technologies among academicians and industry people. The contributors present their technical evaluation and compare it with existing technologies. Theoretical explanation and experimental case studies related to real-time scenarios are also included. This book pertains to IT professionals, researchers and academicians working on fourth revolution technologies. Explains how blockchain can significantly increase data privacy and security while boosting accuracy and integrity in IoT generated data and AI processed information; Gives insight into blockchain's numerous potential applications, starting with recent technologies that give users control over sharing and privacy; Shows readers how to employ blockchain in IoT and AI, helping them to understand what they can and cannot do with blockchain.

Enhances libraries worldwide through top research compilations from over 250 international authors in the field of e-business.

Today, more and more organizations are realizing the importance of practising ethics in their business dealings. And the engineering profession is no exception to this. For, any policy or practice that gives a go-by to professional ethics—which essentially entails fair and transparent dealings based on sound moral principles—cannot enjoy the confidence of the customer for long. It is in this context that a book on Professional Ethics is very significant. This systematically organized text opens with an introduction to Human Values and discusses, with great skill and expertise, the various approaches to the study of ethical behaviour, ethical theories, value-based ethics and the engineers' responsibility for safety and risk, collegiality and loyalty. Besides, the responsibilities of engineers in organizational setting, and global issues such as environmental ethics, computer ethics, and Intellectual Property Rights (IPRs) are also covered in this text. The Case Studies lend a practical orientation to the book, and the Review Questions sharpen the analytical skills of the students. This is a must have book for the students of engineering and management.

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