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# Online Library Transformation Business Driven Technology Successful For Methodologies Operations Service And Field Transforming

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**KEY=SUCCESSFUL - BREANNA JADA**

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**FORMULA 4.0 FOR DIGITAL TRANSFORMATION**

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**A BUSINESS-DRIVEN DIGITAL TRANSFORMATION FRAMEWORK FOR INDUSTRY 4.0**

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*CRC Press A staggering 70% of digital transformations have failed as per McKinsey. The key reason why enterprises are failing in their digital transformation journey is because there is no standard framework existing in the industry that enterprises can use to transform themselves to digital. There are several books that speak about technologies such as Cloud, Artificial Intelligence and Data Analytics in silos, but none of these provides a holistic view on how enterprises can embark on a digital transformation journey and be successful using a combination of these technologies. FORMULA 4.0 is a methodology that provides clear guidance for enterprises aspiring to transform their traditional operating model to digital. Enterprises can use this framework as a readymade guide and plan their digital transformation journey. This book is intended for all chief executives, software managers, and leaders who intend to successfully lead this digital transformation journey. An enterprise can achieve*

success in digital transformation only if it can create an IT Platform that will enable them to adopt any new technology seamlessly into existing IT estate; deliver new products and services to the market in shorter durations; make business decisions with IT as an enabler and utilize automation in all its major business and IT processes. Achieving these goals is what defines a digital enterprise -- Formula 4.0 is a methodology for enterprises to achieve these goals and become digital. Essentially, there is no existing framework in the market that provides a step-by-step guide to enterprises on how to embark on their successful digital transformation journey. This book enables such transformations. Overall, the Formula 4.0 is an enterprise digital transformation framework that enables organizations to become truly digital.

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## **TRANSFORMING FIELD AND SERVICE OPERATIONS**

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### **METHODOLOGIES FOR SUCCESSFUL TECHNOLOGY-DRIVEN BUSINESS TRANSFORMATION**

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Springer Science & Business Media The drive to realise operational efficiencies, improve customer service, develop new markets and accelerate the introduction of new products has substantially increased the complexity of field service operations. To maximise the efficiency and effectiveness of these operations, organisations have embarked on a wide range of transformation programmes that have sought to introduce automation through the use of workforce management technologies. Despite the potential business value that can be provided by such transformation programmes, too often, the automation technologies have not been fully utilised and their expected benefits have as such not been realised. Scholars of organisation change argue that the success of any transformation programme is a function of how well the technical, political, structural and social aspects of a specific project have been managed. The objective of this edited book is to provide insights into how organisations might successfully transform their field service operations with the help of workforce management technologies. Accordingly, the book is organised into four sections: Section A “The Case for Transforming Service and Field Operations” explains the rationale as to why organisations should actively consider transforming their service and field operations, while Section B presents various “Methods, Models and Enabling Technologies for Transforming Service and Field Operations”. In Section C, a number of “Case Studies” illustrate how new technologies can be applied to field and service operations to deliver concrete business benefits. Lastly, Section D considers “Challenges, Outcomes and Future Directions”. Overall, this book provides valuable insights into how to successfully transform field service operations with automated technologies. It draws on years of experience from different industries and from different perspectives on realising change. It is aimed at managers, technologists, change agents and scholars who are interested in field service operations in general and the use of advanced computing technologies in this area in particular.

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## **DISRUPTIVE TECHNOLOGY: CONCEPTS, METHODOLOGIES, TOOLS, AND APPLICATIONS**

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### **CONCEPTS, METHODOLOGIES, TOOLS, AND APPLICATIONS**

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*IGI Global The proliferation of entrepreneurship, technological and business innovations, emerging social trends and lifestyles, employment patterns, and other developments in the global context involve creative destruction that transcends geographic and political boundaries and economic sectors and industries. This creates a need for an interdisciplinary exploration of disruptive technologies, their impacts, and their implications for various stakeholders widely ranging from government agencies to major corporations to consumer groups and individuals. Disruptive Technology: Concepts, Methodologies, Tools, and Applications is a vital reference source that examines innovation, imitation, and creative destruction as critical factors and agents of socio-economic growth and progress in the context of emerging challenges and opportunities for business development and strategic advantage. Highlighting a range of topics such as IT innovation, business strategy, and sustainability, this multi-volume book is ideally designed for entrepreneurs, business executives, business professionals, academicians, and researchers interested in strategic decision making using innovations and competitiveness.*

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### **GLOBAL BUSINESS DRIVEN HR TRANSFORMATION: THE JOURNEY CONTINUES (PRINT EDITION)**

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*Lulu.com*

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### **A HANDBOOK OF BUSINESS TRANSFORMATION MANAGEMENT METHODOLOGY**

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*Routledge This book provides an integrative Business Transformation Management Methodology, the BTM2, with an emphasis on the balance between the rational aspects of transformation and the often underestimated emotional readiness of employees to absorb and accept transformation initiatives. Comprising four phases - Envision, Engage, Transform, and Optimize - the methodology integrates expertise from areas such as strategy, risk, and project management. Covering the formal and informal structures and roles needed for a successful transformation, the authors cover a wide range of theory to help understand the phenomenon of transformation. A '360-degree' view on what business transformation means and how to manage it successfully, this handbook is suitable for business executives dealing with organizational change. A range of illustrative case studies ensure this is also a valuable resource for academics interested in change and transformation management.*

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### **HANDBOOK OF RESEARCH ON APPLYING EMERGING TECHNOLOGIES ACROSS MULTIPLE DISCIPLINES**

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*IGI Global In recent decades, there has been a groundbreaking evolution in technology. Every year, technology not only advances, but it also spreads*

throughout industries. Many fields such as law, education, business, engineering, and more have adopted these advanced technologies into their toolset. These technologies have a vastly different effect ranging from these different industries. *The Handbook of Research on Applying Emerging Technologies Across Multiple Disciplines* examines how technologies impact many different areas of knowledge. This book combines a solid theoretical approach with many practical applications of new technologies within many disciplines. Covering topics such as computer-supported collaborative learning, machine learning algorithms, and blockchain, this text is essential for technologists, IT specialists, programmers, computer scientists, engineers, managers, administrators, academicians, students, policymakers, and researchers.

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## **THE STRATEGY JOURNEY**

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### **(INCLUDES KICKSTARTER DIGITAL MINI-COURSE + WORKSHEETS)**

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*How to navigate your strategy journey in business using a five model framework and methodology that teaches you to play 'SMART' and 'win' in the game of business and career ascension.*

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## **HANDBOOK OF RESEARCH IN MOBILE BUSINESS: TECHNICAL, METHODOLOGICAL, AND SOCIAL PERSPECTIVES**

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### **TECHNICAL, METHODOLOGICAL, AND SOCIAL PERSPECTIVES**

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*IGI Global "This reference book brings together various perspectives on the usage and application of mobile technologies and networks in global business"--Provided by publisher.*

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## **STRATEGIC INNOVATIVE MARKETING**

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### **4TH IC-SIM, MYKONOS, GREECE 2015**

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*Springer This book presents the latest on the theoretical approach of the contemporary issues evolved in strategic marketing and the integration of theory and practice. It seeks to make advancements in the discipline by promoting strategic research and innovative activities in marketing. The book highlights the use of data analytics, intelligence and knowledge-based systems in this area. In the era of knowledge-based economy, marketing has a lot to gain from collecting and analyzing data associated with customers, business processes, market economics or even data related to social activities. The contributed chapters are concerned with using modern qualitative and quantitative techniques based on information technology used to manage and analyze business data, to discover hidden knowledge and to introduce intelligence into marketing processes. This allows for a focus on innovative applications in all aspects of marketing, of computerized technologies related to data analytics, predictive analytics and modeling, business intelligence and knowledge engineering, in order to demonstrate new ways of uncovering hidden knowledge and supporting marketing decisions with evidence-based intelligent tools. Among the topics covered include innovative tourism*

marketing strategies, marketing communications in small and medium-sized enterprises (SMEs), the use of business modeling, as well as reflecting on the marketing trends and outlook for all transportation industry segments. The papers in this proceedings has been written by scientists, researchers, practitioners and students that demonstrate a special orientation in strategic marketing, all of whom aspire to be ahead of the curve based on the pillars of innovation. This proceedings volume compiles their contributions to the field, highlighting the exchange of insights on strategic issues in the science of innovation marketing.

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## **ECRM 2022 21ST EUROPEAN CONFERENCE ON RESEARCH METHODS IN BUSINESS AND MANAGEMENT**

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*Academic Conferences and publishing limited*

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## **ENTERPRISE ARCHITECTURE FRAMEWORKS, METHODS AND TOOLS**

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*Lulu.com*

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## **RESEARCH AND PRACTICAL ISSUES OF ENTERPRISE INFORMATION SYSTEMS**

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## **IFIP TC 8 INTERNATIONAL CONFERENCE ON RESEARCH AND PRACTICAL ISSUES OF ENTERPRISE INFORMATION SYSTEMS (CONFENIS 2006) APRIL 24-26, 2006, VIENNA, AUSTRIA**

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*Springer The idea for this conference came from a meeting of the IFIP (International Federation for Information Processing) Technical Committee for Information Systems (TC8) in Guimares, Portugal in June 2005. Our goal is to build an IFIP forum among the different Information Systems Communities of TC8 dealing with the increasing important area of Enterprise Information Systems. In this particular meeting the committee members intensively discussed the innovative and unique characteristics of Enterprise Information Systems as scientific sub-discipline. Hence, in this meeting it was decided by the TC8 members that the IFIP TC8 First International Conference on Research and Practical Issues of Enterprise Information Systems (CONFENIS 2006) would be held in April 2006 in Vienna, Austria. Dr. Li Xu (USA) and Dr. A Min Tjoa (IFIP TC8) were assigned to propose a concept for this conference in order to establish an IFIP platform for EIS researchers and practitioners in the field to share experience, and discussing opportunities and challenges. We are very pleased therefore to have this conference organised by the help of the Austrian Computer Society (OCG). OCG supports the idea of this conference due to the urgent need of research and dissemination of new techniques in this key area. We received 180 papers from more than 30 countries for CONFENIS and the Program Committee eventually selected xx papers or extended abstracts, making an acceptance rate of xx% of submitted papers. Each paper was thoroughly reviewed by at least two qualified reviewers.*

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## **ELECTRONIC BUSINESS: CONCEPTS, METHODOLOGIES, TOOLS, AND**

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## APPLICATIONS

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### CONCEPTS, METHODOLOGIES, TOOLS, AND APPLICATIONS

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

### EFFECTIVE APPROACHES FOR MANAGING ELECTRONIC RECORDS AND ARCHIVES

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*Scarecrow Press This is a book of fresh insights, perspectives, strategies, and approaches for managing electronic records and archives. The authors draw on first-hand experience to present practical solutions, including recommendations for building and sustaining strong electronic records programs.*

### STRATEGIC INFORMATION TECHNOLOGY

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#### BEST PRACTICES TO DRIVE DIGITAL TRANSFORMATION

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*John Wiley & Sons Successfully navigate the changing face of the CIO role Strategic Information Technology offers CIOs a handbook for engaging with the senior management conversations surrounding strategy. The CIO role is currently undergoing a massive transition from technology-focused expert to a more strategic mindset, and this book provides proven methods for taking your seat at the table. Lessons from high-performing CIOs and a wealth of leading-edge insight provide invaluable guidance for positioning technology as a strategic driver across the business, while a focus on building the necessary connections—for example, an alliance between IT and HR—provide a multimodal approach to navigating the transition. The evolution of the CIO's role involves more than simply technical knowledge; the new CIO must be an influencer, an engager, and just as adept at the soft skills that become increasingly crucial as you climb the management ladder. It's about changing mindsets, translating hard skills into strategic advantages, and demonstrating IT's value to the strategic decision making process. This book provides best practices, illustrative examples, and up-to-date perspective for CIOs wanting to: Position IT as a critical driver of overall strategy Build on functional expertise with strategic insight Learn from the stories of successful tech-to-strategy transformations Engage C-Suite peers in shaping the strategic conversation Not long ago, the CIO occupied a unique place in the C-Suite. Executive by title, CIOs have nevertheless been seen as predominantly the "chief tech expert" with little input into strategy, as IT has historically been regarded as a tool rather than a source of competitive advantage. The truth is becoming increasingly apparent, with companies around the world turning to technology in order to gain a competitive edge, and CIOs are beginning to claim their place in strategy discussions. Strategic Information Technology offers much needed guidance for a successful transformation.*

### TECHNOLOGY, INNOVATION, AND ENTERPRISE TRANSFORMATION

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*IGI Global Technical advancements are an important part of modern society, but particularly important in the business world. The success or failure of business*

*operations can be affected by the technical operations working within it. Technology, Innovation, and Enterprise Transformation addresses the crucial relationship between a business and its technical implementations, and how current innovations are changing how the industry operates. Highlighting current theoretical frameworks, novel empirical research discoveries, and fundamental literature surveys, this book is an essential reference source for academicians, professionals, and researchers who are interested in the latest technical insights within the business field.*

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## **TRANSFORMING FIELD AND SERVICE OPERATIONS**

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## **METHODOLOGIES FOR SUCCESSFUL TECHNOLOGY-DRIVEN BUSINESS TRANSFORMATION**

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## **A HANDBOOK OF BUSINESS TRANSFORMATION MANAGEMENT METHODOLOGY**

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*Routledge This book provides an integrative Business Transformation Management Methodology, the BTM2, with an emphasis on the balance between the rational aspects of transformation and the often underestimated emotional readiness of employees to absorb and accept transformation initiatives. Comprising four phases - Envision, Engage, Transform, and Optimize - the methodology integrates expertise from areas such as strategy, risk, and project management. Covering the formal and informal structures and roles needed for a successful transformation, the authors cover a wide range of theory to help understand the phenomenon of transformation. A '360-degree' view on what business transformation means and how to manage it successfully, this handbook is suitable for business executives dealing with organizational change. A range of illustrative case studies ensure this is also a valuable resource for academics interested in change and transformation management.*

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## **DIGITAL ENTERPRISE TRANSFORMATION**

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## **A BUSINESS-DRIVEN APPROACH TO LEVERAGING INNOVATIVE IT**

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*Routledge The integration of technological innovations, such as In-Memory Analytics, Cloud Computing, Mobile Connectivity, and Social Media, with business practice can enable significant competitive advantage. In order to embrace recent challenges and changes in the governance of IT strategies, SAP and its think tank - the Business Transformation Academy (BTA) - have jointly developed the Digital Capability Framework (DCF). Digital Enterprise Transformation: A Business-Driven Approach to Leveraging Innovative IT by Axel Uhl and Lars Alexander Gollenia outlines the DCF which comprises six specific capabilities: Innovation Management, Transformation Management, IT Excellence, Customer Centricity, Effective Knowledge Worker, and Operational Excellence. In cooperation with the University of Applied Sciences and Arts Northwestern Switzerland, University of St. Gallen (Switzerland), Queensland University of Technology (Australia), University of Liechtenstein (Principality of Liechtenstein), and Karlsruhe Institute of Technology (Germany), SAP and the BTA*

have been validating each capability and the corresponding maturity models based on analyzing several 'lighthouse' case studies comprising: SAMSUNG, IBM, Finanz Informatik, The Walt Disney Company, Google Inc., HILTI AG. *Digital Enterprise Transformation* presents how these companies take advantage of innovative IT and how they develop their digital capabilities. On top the authors also develop and present a range of novel yet hands-on Digital Use Cases for a number of different industries which have emerged from innovative technological trends such as: Big Data, Cloud Computing, 3D Printing and Internet of Things.

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## **IT OUTSOURCING: CONCEPTS, METHODOLOGIES, TOOLS, AND APPLICATIONS**

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### **CONCEPTS, METHODOLOGIES, TOOLS, AND APPLICATIONS**

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IGI Global "This book covers a wide range of topics involved in the outsourcing of information technology through state-of-the-art collaborations of international field experts"--Provided by publisher.

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## **ENHANCING QUALITATIVE AND MIXED METHODS RESEARCH WITH TECHNOLOGY**

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IGI Global In light of the expensive nature of quantitative research, such as experiments, researchers must seek other methods of understanding the world around them. As such, new qualitative methods are gaining ground in the modern research community. *Enhancing Qualitative and Mixed Methods Research with Technology* explores the integration of new digital tools into the research process. Including current information on data visualization, research design, information capture, as well as social media analysis, this publication serves as an ideal reference source for academicians, scientists, information specialists, business managers, and upper-level students involved in interdisciplinary research.

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## **BEYOND DIGITAL TRANSFORMATION**

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Technics Publications Learn the secrets required to advance the technology industry beyond digital transformation. Today's technology industry is in its growth phase, on its journey to maturity. How quickly can the industry accelerate to be ready to take on the challenges of the next industrial revolution? What are the key patterns, characteristics, and methods that can allow for the accelerated growth and increased market share of a technology business? Looking at foundational lessons from the past through the lens of more established and mature industries, businesses, technologists, and practitioners will gather insights into how organizations can make significant advancements and expand their market share. The book reveals patterns and characteristics that can help businesses succeed. Start with an idea and transform it into a compelling product—what methods can help you deliver faster, attract new customers, and retain their loyalty? Forming a value-driven culture where your people are central to ever-improving cycles of change requires adopting the well-documented approaches described in this book. The author, Nana Fifield, a senior technology leader, has spent nearly three decades

*working with many technology organizations, dedicating significant time to researching the methods that successful and mature industries have adapted to continue thriving, evolving, and innovating over centuries.*

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## **ADVANCED METHODOLOGIES AND TECHNOLOGIES IN BUSINESS OPERATIONS AND MANAGEMENT**

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*IGI Global 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.*

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## **PRACTICE-DRIVEN RESEARCH ON ENTERPRISE TRANSFORMATION**

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### **SECOND WORKING CONFERENCE, PRET 2010, DELFT, THE NETHERLANDS, NOVEMBER 11, 2010, PROCEEDINGS**

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*Springer The PRET working conferences are set up as a one-day event in such a way that it attracts an audience from both industry and academia. PRET 2010 was a continuation of the PRET 2009 working conference, which was organized as the industrial track at the 2009 CAiSE conference. The PRET 2010 working conference was organized as part of the enterprise engineering week, and was co-located with PoEM 2010 and TEAR 2010 in Delft. The statement that modern-day enterprises are in a constant state of flux is in 2010 even more true than it was in 2009. The markets are in a state of confusion and seem to have no direction at all, as they are swinging back and forth depending on often contradictory signals and economic forecasts. As a consequence, enterprises, be they private businesses, government departments or other organizations, are taking their measures. Restructuring, divesting, - proving performance and merging are among the usual transformation activities that enterprises conduct to provide answers to the ever-challenging demands that are put on them. In addition to the tricky economic situation, developments like globalization, rapid technological advancement, aging and the changing mindset of customers contribute to a situation in which nothing is certain anymore and in which change is the only constant. PRET approaches these developments and the impact they have on enterprises from a holistic enterprise engineering perspective.*

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## **SERVICE-DRIVEN APPROACHES TO ARCHITECTURE AND ENTERPRISE INTEGRATION**

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*IGI Global While business functions such as manufacturing, operations, and*

marketing often utilize various software applications, they tend to operate without the ability to interact with each other and exchange data. This provides a challenge to gain an enterprise-wide view of a business and to assist real-time decision making. *Service-Driven Approaches to Architecture and Enterprise Integration* addresses the issues of integrating assorted software applications and systems by using a service driven approach. Supporting the dynamics of business needs, this book highlights the tools, techniques, and governance aspects of design, and implements cost-effective enterprise integration solutions. It is a valuable source of information for software architects, SOA practitioners, and software engineers as well as researchers and students in pursuit of extensible and agile software design.

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### **AGILE APPROACHES FOR SUCCESSFULLY MANAGING AND EXECUTING PROJECTS IN THE FOURTH INDUSTRIAL REVOLUTION**

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IGI Global Communication between man and machine is vital to completing projects in the current day and age. Without this constant connectiveness as we enter an era of big data, project completion will result in utter failure. *Agile Approaches for Successfully Managing and Executing Projects in the Fourth Industrial Revolution* addresses changes wrought by Industry 4.0 and its effects on project management as well as adaptations and adjustments that will need to be made within project life cycles and project risk management. Highlighting such topics as agile planning, cloud projects, and organization structure, it is designed for project managers, executive management, students, and academicians.

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### **DIGITALIZATION IN ORGANIZATIONS**

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Cambridge Scholars Publishing This volume carries out an evaluation of the digital transformation process for organizations, which has accelerated further with the influence of COVID-19. It provides an up-to-date perspective by addressing organizational aspects and activities of different fields in the social sciences. The contributions gathered here discuss the digital transformation of social and organizational studies related to disciplines such as public practices, human resource management, finance, education, occupational health and safety, organizational behavior, health management, management strategies, entrepreneurship, and marketing. In this way, it will be possible to see and evaluate digitalization in various aspects of organizations.

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### **HANDBOOK OF RESEARCH ON MULTIDISCIPLINARY APPROACHES TO ENTREPRENEURSHIP, INNOVATION, AND ICTS**

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IGI Global Currently, most organizations are dependent on IS/ICT in order to support their business strategies. IS/ICT can promote the implementation of strategies and enhancers of optimization of the various aspects of the business. In market enterprises and social organizations, digital economy and ICTs are important tools that can empower social entrepreneurship initiatives to develop, fund, and implement new and innovative solutions to social, cultural, and environmental problems. *The Handbook of Research on Multidisciplinary Approaches to Entrepreneurship, Innovation, and ICTs* is an essential reference source that

*discusses the digitalization techniques of the modern workforce as well as important tools empowering social entrepreneurship initiatives. Featuring research on topics such as agile business analysis, multicultural workforce, and human resource management, this book is ideally designed for business managers, entrepreneurs, IT consultants, researchers, industry professionals, human resource consultants, academicians, and students.*

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## **TECHNOLOGY OPTIMIZATION AND CHANGE MANAGEMENT FOR SUCCESSFUL DIGITAL SUPPLY CHAINS**

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*IGI Global Companies across different industries are launching technology-enabled (digital) business transformation programs to improve their strategic, tactical, and operational supply chain processes. The greatest challenges that they are facing include the lack of preparation and knowledge of the digital transformation life cycle and poorly addressing or neglecting the “people-related” aspects of them. Therefore, improvement initiatives have been short-lived or incomplete, and expected business benefits have not been achieved or materialized. Technology Optimization and Change Management for Successful Digital Supply Chains is a pivotal reference source that provides vital research on the application of digital business transformation programs to improve strategic, tactical, and operational supply chain processes. While highlighting topics such as maturity models, predictive analysis, and communication planning, this publication explores the limited literature in the field of digital supply chain optimization and business transformation, and complements it with practical and proven tactics from the industry. This book is ideally designed for program managers, engineers, students, and practitioners seeking current research on the field’s latest best practices on digital supply chain enablement.*

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## **SOFTWARE APPLICATIONS: CONCEPTS, METHODOLOGIES, TOOLS, AND APPLICATIONS**

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### **CONCEPTS, METHODOLOGIES, TOOLS, AND APPLICATIONS**

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*IGI Global Includes articles in topic areas such as autonomic computing, operating system architectures, and open source software technologies and applications.*

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## **BUSINESS INFORMATION SYSTEMS: CONCEPTS, METHODOLOGIES, TOOLS AND APPLICATIONS**

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### **CONCEPTS, METHODOLOGIES, TOOLS AND APPLICATIONS**

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*IGI Global Business Information Systems: Concepts, Methodologies, Tools and Applications offers a complete view of current business information systems within organizations and the advancements that technology has provided to the business community. This four-volume reference uncovers how technological advancements have revolutionized financial transactions, management infrastructure, and knowledge workers.*

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## **METHODS AND TOOLS FOR EFFECTIVE KNOWLEDGE LIFE-CYCLE-MANAGEMENT**

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*Springer Science & Business Media Knowledge Management is a wide, critical and strategic issue for all the com- nies, from the SMEs to the most complex organizations. The key of competi- ness is knowledge, because of the necessity of reactivity, flexibility, agility and innovation capacities. Knowledge is difficult to measure itself but what is visible, this is the way of improving products, technologies and enterprise organizations. During the last four years, based on the experience of most of the best experts around the World, CIRP (The International Academy for Production Engineering) has decided to prepare and structure a Network of Excellence (NoE) proposal. The European Community accepted to found the VRL-KCiP (Virtual Research La- ratory - Knowledge Community in Production). As its name indicates it, the aim of this NoE was really to build a «Knowledge Community in Production ». This was possible and realistic because the partners were representative of the most important universities in Europe and also because of strong partnerships with laboratories far from Europe (Japan, Australia, South Africa, USA, etc...). Based on such powerful partnership, the main issue was to help European manufacturing industry to define and structure the strategic knowledge in order to face the strategic worldwide challenges. Manufacturing in Europe currently has two essential aspects: 1. It has to be knowledge intensive given the European demands for high-tech products and services (e.g. electronics, medicines).*

## **ENTERPRISE INFORMATION SYSTEMS: CONCEPTS, METHODOLOGIES, TOOLS AND APPLICATIONS**

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### **CONCEPTS, METHODOLOGIES, TOOLS AND APPLICATIONS**

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*IGI Global This three-volume collection, titled Enterprise Information Systems: Concepts, Methodologies, Tools and Applications, provides a complete assessment of the latest developments in enterprise information systems research, including development, design, and emerging methodologies. Experts in the field cover all aspects of enterprise resource planning (ERP), e-commerce, and organizational, social and technological implications of enterprise information systems.*

## **DIGITAL SUCCESS: A HOLISTIC APPROACH TO DIGITAL TRANSFORMATION FOR ENTERPRISES AND MANUFACTURERS**

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*Alasdair Gilchrist What is Digital Transformation, why is it so important and why do so many transformation projects fail? More importantly, what can we do to make our transformation initiative succeed? These are a few of the profound questions that we seek to answer in this book. The anomaly between the number of digital transformation being undertaken and the high failure rate may be due to not enough transformation initiatives taking a holistic approach that encompasses people, culture, organisations, processes, business strategy and objectives into the overall mix instead they are focusing largely on the technology. Therefore in this book we contemplate a holistic approach to digital transformation across the entire spectrum of the business from the perspective of an enterprise or manufacturer. Hence we*

*start with people, culture and the need for agile business development when transforming processes, products and services or business models. We examine the how and why we align and tightly couple business objectives to transformation initiatives. Importantly, we examine the need for company-wide collaboration and integration of data, knowledge, processes and systems and the huge benefits initiatives such as data-democratization can deliver. Then we delve deeper into the specific drivers for successful transformation across a very broad range of business functions from the perspective of IT and Operations, Finance, HR, Sales & Marketing, Manufacturing, Inventory, Supply chain and Post-sales service. We also examine how technology and processes such as the IoT and advanced data analysis have brought about Industry 4.0 and the Smart Factory not through technology upgrades and point solutions but through a holistic approach to digital transformation. A holistic approach to digital transformation, places people, culture, knowledge, capabilities, and decision-making as the pillars supporting the overall organisation's business strategy, objectives and mission values that are built upon a foundation of technology and processes. Successful digital transformation initiatives do not lose their focus on the overarching business strategy and company objectives being the goal, it's not about technology it is about creating new business value at the strategic level. And in this book we will show you how to do it. What is Digital Transformation, why is it so important and why do so many transformation projects fail? More importantly, what can we do to make our transformation initiative succeed? These are a few of the profound questions that we seek to answer in this book. The anomaly between the number of digital transformation being undertaken and the high failure rate may be due to not enough transformation initiatives taking a holistic approach that encompasses people, culture, organisations, processes, business strategy and objectives into the overall mix instead they are focusing largely on the technology. Therefore in this book we contemplate a holistic approach to digital transformation across the entire spectrum of the business from the perspective of an enterprise or manufacturer. Hence we start with people, culture and the need for agile business development when transforming processes, products and services or business models. We examine the how and why we align and tightly couple business objectives to transformation initiatives. Importantly, we examine the need for company-wide collaboration and integration of data, knowledge, processes and systems and the huge benefits initiatives such as data-democratization can deliver. Then we delve deeper into the specific drivers for successful transformation across a very broad range of business functions from the perspective of IT and Operations, Finance, HR, Sales & Marketing, Manufacturing, Inventory, Supply chain and Post-sales service. We also examine how technology and processes such as the IoT and advanced data analysis have brought about Industry 4.0 and the Smart Factory not through technology upgrades and point solutions but through a holistic approach to digital transformation. A holistic approach to digital transformation, places people, culture, knowledge, capabilities, and decision-making as the pillars supporting the overall organisation's business strategy, objectives and mission values that are built upon a foundation of technology and processes. Successful digital transformation initiatives do not lose their focus on the overarching business strategy and company objectives being the goal, it's not about technology it is about*

creating new business value at the strategic level. And in this book we will show you how to do it.

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## **DIGITAL TRANSFORMATION NOW!**

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### **GUIDING THE SUCCESSFUL DIGITALIZATION OF YOUR BUSINESS MODEL**

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*Springer* Is digitalization a value-added approach? Global leaders believe so, and this book reveals how to digitally transform your business model and compete in today's economy. It presents a roadmap consisting of five phases; Digital Reality, Digital Ambition, Digital Potential, Digital Fit, and Digital Implementation, each with step-by-step instructions as well as innovative activities and tools. This is a timely book offering professionals a concise, tried-and-trusted guide to the digital transformation of business models.

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### **BUSINESS INTELLIGENCE: CONCEPTS, METHODOLOGIES, TOOLS, AND APPLICATIONS**

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#### **CONCEPTS, METHODOLOGIES, TOOLS, AND APPLICATIONS**

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*IGI Global* Data analysis is an important part of modern business administration, as efficient compilation of information allows managers and business leaders to make the best decisions for the financial solvency of their organizations. Understanding the use of analytics, reporting, and data mining in everyday business environments is imperative to the success of modern businesses. *Business Intelligence: Concepts, Methodologies, Tools, and Applications* presents a comprehensive examination of business data analytics along with case studies and practical applications for businesses in a variety of fields and corporate arenas. Focusing on topics and issues such as critical success factors, technology adaptation, agile development approaches, fuzzy logic tools, and best practices in business process management, this multivolume reference is of particular use to business analysts, investors, corporate managers, and entrepreneurs in a variety of prominent industries.

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### **TRENDS AND APPLICATIONS IN INFORMATION SYSTEMS AND TECHNOLOGIES**

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#### **VOLUME 3**

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*Springer Nature* This book is composed of a selection of articles from *The 2021 World Conference on Information Systems and Technologies (WorldCIST'21)*, held online between 30 and 31 of March and 1 and 2 of April 2021 at Hangra de Heroismo, Terceira Island, Azores, Portugal. WorldCIST is a global forum for researchers and practitioners to present and discuss recent results and innovations, current trends, professional experiences and challenges of modern information systems and technologies research, together with their technological development and applications. The main topics covered are: A) Information and Knowledge Management; B) Organizational Models and Information Systems; C) Software and

Systems Modeling; D) Software Systems, Architectures, Applications and Tools; E) Multimedia Systems and Applications; F) Computer Networks, Mobility and Pervasive Systems; G) Intelligent and Decision Support Systems; H) Big Data Analytics and Applications; I) Human-Computer Interaction; J) Ethics, Computers & Security; K) Health Informatics; L) Information Technologies in Education; M) Information Technologies in Radiocommunications; N) Technologies for Biomedical Applications.

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## **EMERGING SYSTEMS APPROACHES IN INFORMATION TECHNOLOGIES: CONCEPTS, THEORIES, AND APPLICATIONS**

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### **CONCEPTS, THEORIES, AND APPLICATIONS**

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*IGI Global "This book presents findings utilizing the incorporation of the systems approach into fields such as systems engineering, computer science, and software engineering"--Provided by publisher.*

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## **PROJECT MANAGEMENT: CONCEPTS, METHODOLOGIES, TOOLS, AND APPLICATIONS**

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### **CONCEPTS, METHODOLOGIES, TOOLS, AND APPLICATIONS**

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*IGI Global Organizations of all types are consistently working on new initiatives, product lines, or implementation of new workflows as a way to remain competitive in the modern business environment. No matter the type of project at hand, employing the best methods for effective execution and timely completion of the task at hand is essential to project success. Project Management: Concepts, Methodologies, Tools, and Applications presents the latest research and practical solutions for managing every stage of the project lifecycle. Emphasizing emerging concepts, real-world examples, and authoritative research on managing project workflows and measuring project success in both private and public sectors, this multi-volume reference work is a critical addition to academic, government, and corporate libraries. It is designed for use by project coordinators and managers, business executives, researchers, and graduate-level students interested in putting research-based solutions into practice for effective project management.*

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## **DIGITAL TECHNOLOGIES AND TRANSFORMATION IN BUSINESS, INDUSTRY AND ORGANIZATIONS**

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*Springer Nature This book intends to provide a reference manual to assist professionals and academics on further insights regarding: the impact of digital technologies in business, how to implement digital technologies, solutions for specific digital technologies barriers, and much more. Digital transformation marks a rethinking of how an organization uses technology, people, and processes in pursuit of new business models and new revenue streams, driven by changes in customer expectations around products and services. For many enterprises that build traditional goods, this means building digital products, such as a mobile applications or an ecommerce platform. To do so, they must use and integrate digital technologies. The pace of change is increasing. Organizations need to adapt or risk*

*to disappear under innovators entrance in the market. With new digital technologies growing in an exponential rate in the last few decades, organizations are facing even more complex contexts. Managers are now pressed to take efficient decisions. The editors encourage the use of research methods such as Systematic Literature Review (SLR) or Multivocal Literature Review (MLR) (since many new technologies are usually evolved first by practitioners). However, other research methods can also be appreciated as case studies or experiments.*