

Knowledge Management In The Pharmaceutical Industry Enhancing Research Development And Manufacturing Performance

"This book discusses theory and practice in the design of knowledge management systems, facilitation of knowledge sharing, and creation of practices that encourage organizational learning"--Provided by publisher.

Knowledge Management in the Pharmaceutical Industry Enhancing Research, Development and Manufacturing Performance Routledge

This book describes the way that pharmaceutical projects and programs are currently managed, and offers views from many highly experienced practitioners from within the industry on future directions for drug program management. The book integrates portfolio, program, and project management processes as fundamental for effective and efficient drug product development. Contributing expert authors provide their view of how the projectization approach can be taken forward by the drug industry over the coming years.

Annotation The book presents state-of-the-art knowledge about decision-making support systems (DMSS). Its main goals are to provide a compendium of quality chapters on decision-making support systems that help diffuse scarce knowledge about effective methods and strategies for successfully designing, developing, implementing, and evaluating decision-making support systems, and to create an awareness among readers about the relevance of decision-making support systems in the current complex and dynamic management environment.

This book analyses and compares concretely the processes of knowledge production, dissemination and use in the engineering, the information and communication technology, the health and the education sectors.

The growing awareness of the crucial role that knowledge can play in gaining competitive advantage has lead businesses to confront how to build competitive business strategy around a firm's intellectual resources and capabilities, and how to define and guide the processes and infrastructure for managing organizational knowledge. Knowledge Management and Business Strategies: Theoretical Frameworks and Empirical Research provides researchers and practitioners fundamental business and management knowledge by exploring relevant theoretical frameworks and the latest empirical research findings in the area of knowledge and knowledge management strategies and their formulation and alignment with organizations' competitive business strategies.

Many organizations are reluctant to invest in knowledge management (KM) and competitive intelligence (CI) initiatives for their company's use. This book discusses how value-added benefits can be derived from such efforts, with concepts and cases presented.

In an era of an economy based on knowledge and Web 2.0 technology, knowledge is the foundation for improving the decision-making processes and relations between people both in and outside of an organization. Providing new and unique sources of knowledge outside organizations enables innovation and shapes competitive advantage. Crowdsourcing and Knowledge Management in

Read Free Knowledge Management In The Pharmaceutical Industry Enhancing Research Development And Manufacturing Performance

Contemporary Business Environments is a collection of innovative research on the methods and applications of crowdsourcing in collaboration, idea implementation, and organizational development. Highlighting a range of topics including data analytics, crowd computing, and open innovation, this book is ideally designed for business managers, business professionals, business and social researchers, graduate-level students, and academicians seeking current research on the mechanisms of knowledge management in crowdsourcing. Provides comprehensive, in-depth coverage of all issues related to knowledge management, including conceptual, methodological, technical, and managerial issues. Presents the opportunities, future challenges, and emerging trends related to this subject.

Provides an in-depth understanding of the challenging nature of events, where knowledge needs to be created and shared both pre-event and during the event, as well as stored effectively post-event. Generic KM frameworks and models are introduced, applied and adapted in order for event organisers to avoid 'reinventing the wheel' each year.

Today there are few organizations that can afford to ignore information technology and few individuals who would prefer to be without it. As managerial tasks become more complex, so the nature of the required information systems changes from structured, routine support to ad hoc, unstructured, complex enquiries at the highest levels of management. As with the first three editions, this fourth edition of Strategic Information Management: Challenges and Strategies in Managing Information Systems presents the many complex and inter-related issues associated with the management of information systems. This book provides a rich source of material reflecting recent thinking on the key issues facing executives in information systems strategic management. It draws from a wide range of contemporary articles written by leading experts from North America, Asia, and Europe. Designed as a course text for MBA, Master's level students, and senior undergraduate students taking courses in information management, it also provides a wealth of information and references for researchers. New to this edition are updated readings addressing current issues and the latest thinking in information management.

This book addresses the rapidly emerging field of Knowledge Management in the pharmaceutical, medical devices and medical diagnostics industries. In particular, it explores the role that Knowledge Management can play in ensuring the delivery of safe and effective products to patients. The book also provides good practice examples of how the effective use of an organisation's knowledge assets can provide a path towards business excellence.

A practical guide to Quality by Design for pharmaceutical product development
Pharmaceutical Quality by Design: A Practical Approach outlines a new and proven approach to pharmaceutical product development which is now being rolled out across the pharmaceutical industry internationally. Written by experts in the field, the text explores the QbD approach to product development. This

Read Free Knowledge Management In The Pharmaceutical Industry Enhancing Research Development And Manufacturing Performance

innovative approach is based on the application of product and process understanding underpinned by a systematic methodology which can enable pharmaceutical companies to ensure that quality is built into the product. Familiarity with Quality by Design is essential for scientists working in the pharmaceutical industry. The authors take a practical approach and put the focus on the industrial aspects of the new QbD approach to pharmaceutical product development and manufacturing. The text covers quality risk management tools and analysis, applications of QbD to analytical methods, regulatory aspects, quality systems and knowledge management. In addition, the book explores the development and manufacture of drug substance and product, design of experiments, the role of excipients, multivariate analysis, and include several examples of applications of QbD in actual practice. This important resource: Covers the essential information about Quality by Design (QbD) that is at the heart of modern pharmaceutical development Puts the focus on the industrial aspects of the new QbD approach Includes several illustrative examples of applications of QbD in practice Offers advanced specialist topics that can be systematically applied to industry Pharmaceutical Quality by Design offers a guide to the principles and application of Quality by Design (QbD), the holistic approach to manufacturing that offers a complete understanding of the manufacturing processes involved, in order to yield consistent and high quality products.

Within the past ten years, tremendous innovations have been brought forth in information technology and knowledge management. Some of the key technical innovations have included the introduction of social media, artificial intelligence, as well as improved network connectivity and capacity. Effective Knowledge Management Systems in Modern Society is a critical scholarly resource that presents an overview of how technical, social, and process changes are impacting the way knowledge systems are being designed. Featuring coverage on a broad range of topics such as knowledge engineering, cognitive ergonomics, and interorganizational knowledge, this book is geared toward consultants, practitioners, and researchers seeking current research on how new approaches in knowledge management impact information technology professionals.

The Fraunhofer Competence Center Knowledge Management presents in this second edition its up-dated and extended research results. In doing so it describes best practices in knowledge management from leading companies and shows how to integrate such activities into the daily business tasks and processes, how to motivate people and which capabilities and skills are required. It concludes with an overview of the leading knowledge management projects in several European countries.

New Challenges for Future Sustainability and Wellbeing is a collection of studies about sustainability and related challenges, such as income, wealth, the environment, education and regional equality that influence the pace of economic development and affects the well-being of people and organisations all over the world.

By Robert C. Camp, PhD, PE Chairman Global Benchmarking Network (GBN), Best

Read Free Knowledge Management In The Pharmaceutical Industry Enhancing Research Development And Manufacturing Performance

Practice Institute™, Rochester, NY, USA The perception, sharing, and adoption of best practices is mostly attributed to the activity called benchmarking. Obtaining maximum value from best practices is usually attributed to knowledge management. One is an extension of the other. Knowledge management can be looked upon as the management of knowledge about best practices whether in the mind as human capital or as intellectual assets or property. Most organizations now recognize the absolute imperative for the identification and collection of best practices through benchmarking. It can be a strategic strength when practiced and a fatal weakness if not pursued. But there is a serious disconnection in the exchange and adoption process. Despite significant advances in the approaches and technology that pursue improvement (six sigma, process redesign, customer relationship management, etc.), organizations continue to experience great difficulty in successfully transferring leading practices. Some would say these are exemplary, proven, observed, or promising, but, in the final analysis, they are best practices -with the objective of becoming world class. More insight is needed into how leading, or best practices are transferred and adopted - said differently, best practices for knowledge transfer or knowledge management. Knowledge management continues to play an important role in management practice, in private and public organisations, in community informatics and in other groups. Once thought of as a fad it is now clear that knowledge management is an important issue which all organisations face and will continue to face for the foreseeable future. As a result the teaching of knowledge management and the research into its development as a field of study is of considerable importance to business schools, professional organisations, public sector bodies as well as to educators. Case studies can provide a contextual perspective on real world experiences in KM. This book contains 11 case studies chosen by Professor Kenneth Grant and it illustrates many of the important issues of which both students and practitioners need to be aware. These case studies should also prove useful as teaching examples. The case studies provided in this book cover subjects such as KM effectiveness gap analysis, the elicitation of intellectual capital performance, the reconfiguration of knowledge management practices and international strategic alliances. Private sector cases include examples from the pharmaceutical industry, manufacturing and consulting, while the public sector cases include the creation of a judicial environment, patient centred treatment in a general hospital and KM in the French Air Force fighter squadrons. The contributors to this book come from Australia, Canada, China, France, Italy, India, Malaysia, Spain, The Netherlands and The United Kingdom.

This introductory level textbook critically reviews and analyses the key themes underpinning knowledge management in organisations. It presents the key debates in this area, including coverage of epistemologies of knowledge, managing and sharing knowledge, and learning and innovation.

This book serves as a complete introduction to the subject of Knowledge Management (KM), and incorporates technical as well as social aspects, concepts as well as practical examples, and traditional KM approaches as well as emerging topics. Knowledge Management: Systems and Processes enhances the conventional exposition of KM with an in-depth discussion of the technologies used to facilitate the management of knowledge in large and small organizations. This includes a complete description of the theory and applications of the various techniques and technologies

Read Free Knowledge Management In The Pharmaceutical Industry Enhancing Research Development And Manufacturing Performance

currently in use to manage organizational knowledge. The discussion of technology is at a level appropriate for the typical business administration graduate student or corporate manager. Special features: * Includes case studies of actual implementations of KM systems, including details such as system architecture * Contains numerous vignettes describing practical applications of KM initiatives at leading firms and governmental organizations * Provides a balanced view of knowledge management, while incorporating benefits and controversial issues, and both technology and social aspects * Extremely current, making extensive use of latest developments in, and examples from, the field of KM * Written by two proficient and recognized researchers in the field of KM.

In a rapidly growing global economy, where there is a constant emergence of new business models and dynamic changes to the business ecosystem, there is a need for the integration of traditional, new, and hybrid concepts in the complex structure of supply chain management. Within the fast-paced pharmaceutical industry, product strategy, life cycles, and distribution must maintain the highest level of agility.

Therefore, organizations need strong supply chain capabilities to profitably compete in the marketplace. *Global Supply Chains in the Pharmaceutical Industry* provides innovative insights into the efforts needed to build and maintain a strong supply chain network in order to achieve efficient fulfillment of demand, drive outstanding customer value, enhance organizational responsiveness, and build network resiliency. This publication is designed for supply chain managers, policymakers, researchers, academicians, and students, and covers topics centered on economic cycles, sustainable development, and new forces in the global economy.

Many organizations are now realizing that their competitive edge lies mostly in the brainpower—the intellectual capital—of their employees and management. To stay ahead of the pack, companies must leverage their knowledge, internally and externally. But it is not enough to develop lessons-learned databases. Experts now believe the current savior of organizations is knowledge management—the conceptualization, review, consolidation, and action phases of creating, securing, combining, coordinating, and retrieving knowledge—in short, the process of creating value from an organization's intangible assets. Jay Liebowitz, one of the leading knowledge management and expert systems authorities in the world, brings together over thirty articles contributed by the top researchers and practitioners to produce what seems destined to become the key reference for this emerging field. With it you will find: How to create a knowledge-sharing environment How senior executives can show tangible benefits using methods that value the intellectual capital—especially the "human capital" within the organization How knowledge management is not the same as information management How senior management commitment and involvement are essential to the success of a knowledge management system

Knowledge Management (KM) is an effort to increase useful knowledge in the organization. It is a natural outgrowth of late twentieth century movements to make organizational management and operations more effective, of higher quality, and more responsive to constituents in a rapidly changing global environment. This document traces the evolution of KM in organizations, summarizing the most influential research and literature in the field. It also presents an overview of selected common and current practices in knowledge management, including the relationship between knowledge management and decision making, with the intention of making a case for KM as a series of processes and not necessarily a manipulation of things. The final section highlights the use of social networking and commonly adopted Web applications to increase the value of social capital and to connect practitioners with clients and

Read Free Knowledge Management In The Pharmaceutical Industry Enhancing Research Development And Manufacturing Performance

colleagues. Table of Contents: Introduction / Background Bibliographic Analysis / Theorizing Knowledge in Organizations / Conceptualizing Knowledge Emergence / Knowledge "Acts" / Knowledge Management in Practice / Knowledge Management Issues / Knowledge Management and Decision Making / Social Network Analysis and KM / Implications for the Future / Conclusion

KM is an IT subject. Right? Wrong! Knowledge and its management is a prerogative of everyone. Since the magic of information transforming itself into knowledge which in turn becomes information at the next level, thus continuing the eternal cycle of knowledge quest has always fascinated people throughout the ages. This book is about celebrating knowledge for its own sake and emphasizing that unless it is shared, there would be no new knowledge. Also knowledge per se can never be costed or priced, it is only the process of acquiring it, storing it and disseminating it that can be expressed in economic terms. Knowledge is free and that is the way it has always been or will ever be. The book has evolved as the author went about understanding the esoteric concept of KM and sought to unravel what it really stood for.

Key Features

- v A comprehensive look at KM as a subject. First of its kind - a resource book on KM
- v Clear view of knowledge, the way of its creation and the manner of its management
- v Classical approach to KM
- v Modern approach to KM
- v KM models
- v KM tools and their application
- v The mystique of how information becomes knowledge
- v Datamining and datawarehousing explained
- v KM and its application in the corporate sector
- v Case studies galore
- v Most comprehensive list of further readings, extensive group and individual exercises for students of KM

Continuous improvements in businesses practices have created enhanced opportunities for growth and development. This not only leads to higher success in day-to-day profitability, but it increases the overall probability of success for organizations. The Handbook of Research on Tacit Knowledge Management for Organizational Success is a pivotal reference source for the latest advancements and methodologies on knowledge administration in the business field. Featuring extensive coverage on relevant areas such as informal learning, quality management, and knowledge acquisition, this publication is an ideal resource for practitioners, marketers, human resource managers, professors, researchers, and students seeking academic material on knowledge management techniques.

A fundamental challenge for medical informatics is to develop and apply better ways of understanding how information technologies and methods can help support the best care for every patient every day given available medical knowledge and resources. In order to provide the most effective healthcare possible, the activities of teams of health professionals have to be coordinated through well-designed processes centered on the needs of patients. For information systems to be accepted and used in such an environment, they must balance standardization based on shared medical knowledge with the flexibility required for customization to the individual patient. Developing innovative approaches to design and build evidence-based careflow management systems is essential for providing the knowledge management infrastructure of health care organizations that seeks to increase performance in delivering high quality care services by efficiently exploiting available resources. Parallel challenges arise in the organization of research at the biological and clinical levels, where the focus on systematically organizing and supporting processes of scientific inquiry by novel informatics methods and databases are in their very early stages. These Proceedings of Medinfo 2004 demonstrate the base of knowledge medical informatics professionals will collectively draw upon in the years ahead to meet these challenges and realize opportunities. A unique, holistic approach covering all functions and phases of pharmaceutical research and development While there are a number of texts dedicated to individual aspects of pharmaceutical research and development, this unique contributed work takes a holistic and integrative approach to the use of computers in all phases of drug discovery, development, and

Read Free Knowledge Management In The Pharmaceutical Industry Enhancing Research Development And Manufacturing Performance

marketing. It explains how applications are used at various stages, including bioinformatics, data mining, predicting human response to drugs, and high-throughput screening. By providing a comprehensive view, the book offers readers a unique framework and systems perspective from which they can devise strategies to thoroughly exploit the use of computers in their organizations during all phases of the discovery and development process. Chapters are organized into the following sections: * Computers in pharmaceutical research and development: a general overview * Understanding diseases: mining complex systems for knowledge * Scientific information handling and enhancing productivity * Computers in drug discovery * Computers in preclinical development * Computers in development decision making, economics, and market analysis * Computers in clinical development * Future applications and future development Each chapter is written by one or more leading experts in the field and carefully edited to ensure a consistent structure and approach throughout the book. Figures are used extensively to illustrate complex concepts and multifaceted processes. References are provided in each chapter to enable readers to continue investigating a particular topic in depth. Finally, tables of software resources are provided in many of the chapters. This is essential reading for IT professionals and scientists in the pharmaceutical industry as well as researchers involved in informatics and ADMET, drug discovery, and technology development. The book's cross-functional, all-phases approach provides a unique opportunity for a holistic analysis and assessment of computer applications in pharmaceuticals. This study highlights the development of a conceptual framework to improve efficiencies between marketing departments of select pharmaceutical organizations that share similar market dynamics.

Creating Knowledge Based Healthcare Organizations brings together high quality concepts closely related to how knowledge management can be utilized in healthcare. It includes the methodologies, systems, and approaches needed to create and manage knowledge in various types of healthcare organizations. Furthermore, it has a global flavor, as we discuss knowledge management approaches in healthcare organizations throughout the world. For the first time, many of the concepts, tools, and techniques relevant to knowledge management in healthcare are available, offering the reader an understanding of all the components required to utilize knowledge.

[Informatique].

Text surveys recent applications and innovations in knowledge management (KM). Demonstrates KM in practice; revealing what has been learned, what works, and what doesn't. DLC: Knowledge management.

The Pharmaceutical Industry has been undergoing a major transformation since the heady days of 'big pharma' in the 1970s and 80s. Patent expiry, the rise of generics, and the decline of the blockbuster drug have all changed the landscape over the last 10-15 years. It's an environment where products can take 10 years or more to come to market, billions are spent on research and development, jobs are being shed in the western pharma homelands and regulators and the public are more demanding than ever. So what part is Knowledge Management playing and going to play in this vital international industry? Knowledge Management (KM) has many facets from providing comprehensive knowledge bases for workers, through the sharing of advice and problem solving, to providing an environment for innovation and change. This book, focusing on research and development, and manufacturing-based companies, explores how a range of techniques and approaches have been applied in the unique environment of the Pharmaceutical Industry, and examine how it can help the industry in the 21st century. Whilst the book is centered on the Pharmaceutical Industry, its

Read Free Knowledge Management In The Pharmaceutical Industry Enhancing Research Development And Manufacturing Performance

objective will be to discuss and demonstrate how Knowledge Management can be applied in a variety of environments, and with a range of cultural issues. KM practitioners, and potential practitioners, both within and outside the Pharmaceutical Industry, will be able to gain valuable guidance and advice from both the examples of good practice and the lessons learned by the authors and contributors.

Successes and Failures of Knowledge Management highlights examples from across multiple industries, demonstrating where the practice has been implemented well—and not so well—so others can learn from these cases during their knowledge management journey. Knowledge management deals with how best to leverage knowledge both internally and externally in organizations to improve decision-making and facilitate knowledge capture and sharing. It is a critical part of an organization's fabric, and can be used to increase innovation, improve organizational internal and external effectiveness, build the institutional memory, and enhance organizational agility.

Starting by establishing KM processes, measures, and metrics, the book highlights ways to be successful in knowledge management institutionalization through learning from sample mistakes and successes. Whether an organization is already implementing KM or has been reluctant to do so, the ideas presented will stimulate the application of knowledge management as part of a human capital strategy in any organization. Provides keen insights for knowledge management practitioners and educators Conveys KM lessons learned through both successes and failures Includes straightforward, jargon-free case studies and research developed by the leading KM researchers and practitioners across industries

This book bridges the gap between practitioners of supply-chain management and pharmaceutical industry experts. It aims to help both these groups understand the different worlds they live in and how to jointly contribute to meaningful improvements in supply-chains within the globally important pharmaceutical sector. Scientific and technical staff must work closely with supply-chain practitioners and other relevant parties to help secure responsive, cost effective and risk mitigated supply chains to compete on a world stage. This should not wait until a drug has been registered, but should start as early as possible in the development process and before registration or clinical trials. The author suggests that CMC (chemistry manufacturing controls) drug development must reset the line of sight – from supply of drug to the clinic and gaining a registration, to the building of a patient value stream. Capable processes and suppliers, streamlined logistics, flexible plant and equipment, shorter cycle times, effective flow of information and reduced waste. All these factors can and should be addressed at the CMC development stage.

The University of Jyväskylä is proud to welcome the 12th edition of the European Conference in Cyber Warfare to Jyväskylä. We intend to make this event as enjoyable as possible both on scientific and human aspects. As in previous years, ECCWS will address elements of both theory and practice of all aspects of Information Warfare and Security, and offers an opportunity for academics, practitioners and consultants involved in these areas to come together and exchange ideas. We also wish to attract operational papers dealing with the critical issue that the modern world has to face regarding the evolution of cyberwarfare capabilities development by nation states. The programme for the event promises an extensive range of peer-reviewed papers, networking opportunities and presentations from leaders in the field."

Read Free Knowledge Management In The Pharmaceutical Industry
Enhancing Research Development And Manufacturing Performance

[Copyright: 5aabd49ea959f894153991f6bed82726](#)