Six Sigma Project Report

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Lean Six Sigma Nuggets CRC Press
Operations Management: Managing Global Supply Chains takes a holistic, integrated approach to managing operations and supply chains by exploring the strategic, tactical, and operational decisions and challenges facing organizations worldwide. Authors Ray R. Venkataraman and Jeffrey K. Pinto address sustainability in each chapter, showing that sustainable operations and supply chain practices are not only attainable, but are critical and often profitable practices for organizations to undertake. With a focus on critical thinking and problem solving, Operations Management provides students with a comprehensive introduction to the field and equips them with the tools necessary to thrive in today’s evolving global business environment. A Complete Teaching & Learning Package SAGE coursepacks FREE! Easily import our quality instructor and student resource content into your school’s learning management system (LMS) and save time. Learn more. SAGE edge FREE online resources for students that make learning easier. See how your students benefit.
The Six Sigma Project Planner McGraw Hill Professional
Integrated Enterprise Excellence (IEE) introduces a new organizational governance system that integrates analytics with innovation. The IEE system shows business leaders what to measure and report; when and how to report it; how to interpret and use the results to establish goals; how to orchestrate work activities; and how to develop strategies that are consistent with established goals. These strategies ultimately lead to specific projects that enhance organizational focus and success. This volume discusses problems encountered with traditional scorecard, business management, and enterprise improvement systems; describes how IEE helps organizations overcome these issues by utilizing an enterprise process define-measure-analyze-improve-control (E-DMAIC) system; and details the execution of this system.
Managing Global Supply Chains SAGE Publications
Applying this revolutionary management strategy to drive positivechange in an organization Currently exploding onto the American business scene, the Six Sigmamethodology fuels improved effectiveness and efficiency in anorganization; according to General Electric's Jack Welch, it's the"most important initiative [they] have ever undertaken." Written bythe consultant to GE Capital who helped implement Six Sigma at GEand GE's General Manager of e-Commerce, Making Six Sigma Lastoffers businesses the tools they need to make Six Sigma work forthem--and cultivate long-lasting, positive results. Successful SixSigma occurs when the technical and cultural components of changebalance in an organization; this timely, comprehensive book isdevoted to the cultural component of implementing Six Sigma,explaining how to manage it to maintain that balance. The authorsaddress how to create the need for Six Sigma; diagnose the fourtypes of resistance to Six Sigma and how to overcome them; managethe systems and structures; and lead a Six Sigma initiative. Thisbook applies the Six Sigma approach to business operations acrossthe organization--unlike other titles that focus on productdevelopment. Plus, it provides strategies, tactics, and tools toimprove profitability by centering on the relationship betweenproduct defects and product yields, reliability, costs, cycle time,and schedule. George Eckes (Superior, CO) is the founder and principal consultantfor Eckes & Associates. His clients include GE Capital, Pfizer,Westin, Honeywell, and Volvo. Eckes has published numerous paperson the topic of performance improvement and is the author of TheSix Sigma Revolution: How General Electric and

Others TurnedProcess into Profits (0-471-38822-X) (Wiley).
Profit From Six Sigma McGraw-Hill Education
This chapter comes from Lean Six Sigma for Service, which provides a service-based approach to Six Sigma, explaining how companies of all types can cost-effectively translate manufacturing-oriented Lean Six Sigma tools into the service delivery process. Six Sigma expert Michael George reveals how easy it is to apply relatively simple statistical and Lean tools that will reduce costs and achieve greater speed in service processes. Here, for the first time, you'll read about how classic Lean tools such as "Pull systems" and "setup reduction" are being used in procurement, call centers, surgical suites, government offices, R&D, and much more.
Six Sigma Routledge
A Holistic Approach to Performance Improvement That Reflects 30 Years of Six Sigma Learning Leading Holistic Improvement with Lean Six Sigma 2.0 distills all that's been learned about Six Sigma over the past three decades, helping you build and execute on modern holistic strategies to radically improve processes and performance. It's the definitive modern guide to Lean Six Sigma for executives, champions, Black Belts, Green Belts, and every stakeholder concerned with performance improvement. In addition, it notes the limitations of Lean Six Sigma and explains how to broaden deployments to true holistic improvement, integrating multiple improvement methodologies. Renowned experts Ronald Snee and Roger Hoerl help you launch or accelerate comprehensive "Lean Six Sigma 2.0" initiatives, integrating modern techniques to improve customer satisfaction, employee engagement, growth, and profitability across your organization. They introduce important recent advances in Lean Six Sigma theory and practice, and offer new case studies illuminating opportunities for holistic improvement. With an ideal mix of fundamental concepts and real-world case studies, the authors help you broaden your portfolio of improvement methodologies, integrating systems for process management, control, and risk management. This revision incorporates decades of collective experience in improvement initiatives, the most relevant research on what does and doesn't work, and contains three completely new chapters, as well as two previously unpublished holistic improvement case studies. This innovative approach is specifically designed to help you solve large, complex, and unstructured problems; and manage risk in a world of cyberattacks, terrorism, and fragmentation. Plan and deploy a modern Lean Six Sigma strategy that fully reflects your organization Learn and apply key lessons from the world's best implementations Integrate key success factors into a step-by-step process for improvement, and avoid common pitfalls that lead to failure Master all facets of Lean Six Sigma leadership, including strategy, goal setting, metrics, training, roles/responsibilities, processes, reporting, rewards, and ongoing management review Evolve your deployment to true holistic improvement that leverages modern methods and encompasses the entire organization Make the most of big data analytics and other modern methods Choose the optimal improvement method for each complex challenge you face Use a focus on improvement as a leadership development tool
Current Topics in Management World Scientific Publishing Company
Continuous improvement has become synonymous with the Six Sigma process, where cost reduction and quality improvement have led to greater market share and profits. Leading organizations in diverse industries have begun to further deploy Six Sigma outside of manufacturing to maximize its benefits. This comprehensive training tool and implementation guide delineates how Six Sigma methods can be applied to processes within numerous functional areas of the organization and in diverse industries to achieve strategic and operational business excellence. It presents step-by-step techniques and flow diagrams for integrating Six Sigma as best practices into business development and management. It provides a seamless integration of Six Sigma statistical methodologies that help businesses execute their strategic plans and track both their short- and long-term strategic progress within various areas of their business. Statistical methods employed in Six Sigma are thoroughly explained and their implementation, supported by examples and exercises, is demonstrated via Minitab 14, a popular statistical software package. Six Sigma Best Practices is an ideal text for executive training in planning and leading Six Sigma programs, for Yellow, Green and Black Belt certification programs, for college courses and as a desk reference for practitioners and consultants.
Lean Six Sigma Springer Science & Business Media
There are a number of distinctive features of this book that makes it different from other on Six Sigma. It recognizes that there are two diametrically opposing views expressed on Six Sigma, those that are strongly in favour, and those that are not, for various reasons. The book deals, head on, with the principle reasons for such hostility. It cuts through the hype associated with the brand name. It proposes simple remedies for certain defined frailties in the standard approach, particularly those related to the Sigma Measure that provides the brand name for the Six Sigma breakthrough strategy. The book is highly supportive of the Six Sigma continuous improvement process, provided it is tailored to the needs and expectations of a particular organization. The commitment and active participation of top management is emphasized, to ensure the necessary change in culture and priorities demanded, in most organizations. Practical guidance is given in the setting up, operating and developing the project by project approach across an organisation. The book also covers how to equip a critical mass of members in an organization with the core workforce competencies required to get the desired results. The book covers the realities of applying Six Sigma in a range of functions within an organization and also to various types of organizations from the manufacturing sector to commerce and public service. It demonstrates how statistical thinking, coupled with the application of technical and operational knowledge of processes and focus provided by Six Sigma, can considerably enhance quality, competitiveness, effectiveness and efficiency. Statistical process control is a tool, which enables both manufacturers and suppliers to achieve control of product quality by means of the application of statistical methods in the controlling process. This book gives the foundations of good quality management and process control, including an explanation of what quality is, and control of conformance and consistency during production. The text offers clear guidance and help to those unfamiliar with either quality control or statistical applications and coves all the necessary theory and techniques in a practical and non-mathematical manner. This book will be essential reading for anyone wishing to understand or implement modern statistical process control techniques.
Six Sigma Best Practices McGraw Hill Professional
In real life, data is messy and doesn't always fit into normal statistical distributions. This is especially true in service industries where the variables are, well, variable and directly related to and measured by the constantly changing needs of customers. As the breadth and depth of tools available has increased across the integrated Lean Six Sigma landscape, their integrated application has become more complex. Filled with case studies using real-world data, Lean Six Sigma in Service: Applications and Case Studies demonstrates how to integrate a suite of tools to make sense of an unstructured problem and focus on what is critical to customers. Using a clean, clear writing style that is not overly technical, the author describes the Six Sigma DMAIC (Define-Measure-Analyze-Improve-Control) and Design for Six Sigma IDDOV (Identify-Define-Design-Optimize-Validate) problem solving approaches and how they can be applied to service and transaction-related processes. The case studies illustrate the application of Lean Six Sigma tools to a wide variety of processes and problems including, but not limited to financial process improvement, designing a recruiting process, managing a college's assets, and improving educational processes. Examples of tools include Pareto analysis, cause and effect analysis, failure mode and effects analysis, statistical process control, SIPOC, process flow charts, project management tools, cost of quality analysis, and Lean tools, such as 5S, 8 wastes, and the 5 whys. Ultimately, the Lean Six Sigma team must show improvement against the metrics that assess customer satisfaction. This book includes strategies for integrating Lean Six Sigma tools into measurable improvement processes and eliminating the root causes of problems. With its inclusion of case studies and an alternative approach to the material, the book provides an instant understanding of how others have successfully applied Lean Six Sigma tools. This understanding then translates into processes that can be applied to any service organization.
Design for Six Sigma in Product and Service Development Van Haren
Practical Support for Lean Six Sigma Software Process Definition: Using IEEE Software Engineering Standards addresses the task of meeting the specific documentation requirements in support of Lean Six Sigma. This book provides a set of templates supporting the documentation required for basic software project control and management and covers the integration of these templates for their entire product development life cycle. Find detailed documentation guidance in the form of organizational policy descriptions, integrated set of deployable document templates, artifacts required in support of assessment, organizational delineation of process documentation.
Implementing Quality in Laboratory Policies and Processes John Wiley & Sons
Lean Six Sigma is a proven worldwide approach for process improvement that consists of tools from two very different methodologies, Lean and Six Sigma. Developed over decades by Toyota, Lean contains a variety of tools tailored to reduce waste in processes, whereas Six Sigma is a result of Motorola seeking to reduce variation in processes that curb production. The combined approaches have helped companies save billions of dollars while also boosting revenue. In this guide to Lean Six Sigma success, the author explains the methodology using complete and detailed project documentation. The main case study describes a finance company that faces client attrition and a decrease in revenue and market share due to process problems. Throughout the book, the project work and the application of typical Lean Six Sigma tools are explained using the case as a guide. By using a Lean Six Sigma approach, the company ultimately increased client satisfaction and loyalty and achieved a lasting improvement in business results. Combine the power of two rigorous management practices and boost your bottom line with the lessons in Lean Six Sigma Nuggets.
A Step-by-Step Guide to Leading a Six Sigma Project Through DMAIC CRC Press
Six Sigma provides a quantitive methodology of continuous (process) improvement and cost reduction, by reducing the amount of variation in process outcomes.The production of a product, be it a tangible product like a car or a more abstract product like a service, consists of a series of processes. All processes consist of a series of steps, events, or activities. Six Sigma measures every step of the process by breaking apart the elements within each process, identifying the critical characteristics, defining and mapping the related processes, understanding the capability of each process, discovering the weak links, and then upgrading the capability of the process. It is only by taking these steps that a business can raise the high-water mark of its performance.IT is now a fundamental part of business and business processes; this book demonstrates how IT can be made to work as an enabler to better business processes, and how the Six Sigma approach can be used to provide a consistent framework for measuring process outcomes.ITIL defines the what of Service Management; Six Sigma defines the how of process improvement; together they are a perfect fit of improving the quality of IT service delivery and support. The Six Sigma approach also provides measures of process outcomes, and prescribes a consistent approach in how to use these metrics.This Pocket guide, provides a coherent view and guidance for using the Six Sigma approach successfully in IT service organisations. It particularly aims to merge ITIL and Six Sigma into a single approach for continuous improvement of IT service organizations.
Technology and Manufacturing Process Selection Bookboon
Real-world examples and hands-on experience are invaluable resources when learning how to use new methods and tools, whether in training or in a classroom. Yet there are very few books on Design for Six Sigma (DFSS) that provide the practical knowledge required to be up and running quickly. Until now. Design for Six Sigma in Product and Service Development: Applications and Case Studies provides step-by-step analysis and practical guidance on how to apply DFSS in product and service development. The book discusses the DFSS roadmap and how it is linked to methodologies, including organizational leadership, product development, system integration, critical parameter management, voice of the customer, quality function deployment, and concept generation. The chapter authors provide real-world case studies that demonstrate how the application of DFSS has significantly improved meeting customer requirements. They follow the Identify-Define-Design-Optimize-Validate (IDDOV) structure for new product or service development. Examples of tools covered include Quality Function Deployment, Voice of the Customer, Pugh Concept Selection, Ideal Function, Failure Modes and Effects Analysis, Reliability, Measurement Systems Analysis, Regression Analysis, and Capability Studies, among others. Clearly outlining the tools and how to integrate them for robust product and service design, the case studies can be used by industry professionals and academics to learn how to apply DFSS. The book gives you hands-on experience in a safe environment, where experienced Black Belts and Master Black Belts act as mentors and prepare you to touch actual data and make decisions when embarking on real-world projects. Even after you've mastered the techniques, the breadth and depth of coverage contained in this book will make it a vital part of your toolkit.
Lean Six Sigma in Service J. Ross Publishing
This annual series presents basic research on the theory and practice of management and administration. Volume 10 includes both invited contributions and revised versions of papers presented at the 2004 International Conference on Advances in Management, held at Orlando, Florida. This volume exemplifies ICAM's comparative orientation, in its broad scope of management perspectives, in the diverse locations of its research as well as its application, and in its comparisons of findings, methodologies, and operational definitions. The chapters in Part 1, "Knowledge Management, Learning, and Effectiveness," discuss the Effective Knowledge Organization; new frontiers to actionable knowledge; and reframing and engaging with organizational learning constraints. In Part 2, "Organization Change, Innovation, and Learning," chapters examine the new sciences and Organization Studies, and Exploratory Research on the

Effect of Autonomous Learners to Team Learning within Healthcare Systems. In Part 3, "Performance, Social Capital, and Ethics," chapters elaborate on corporate performance cycles; the Marginal Temp Syndrome; the liabilities of social capital with respect to career development, third-party relationships, creativity generation, change, organizational and societal fragmentation, and collective wrongdoings; and ethics and the 2003 Mutual Fund Scandal. In Part 4, "International and Cross-cultural Management," chapters discuss selecting employees for global assignments; rethinking citizenship in public administration, and styles of handling interdepartmental conflict and effectiveness. This volume will be of particular interest to corporate libraries, doctoral students in management and administration, economists, and labor studies specialists.

The Six Sigma Handbook, Third Edition, Chapter 5 - Project Management Using DMAIC and DMADV Springer Nature

The fast and easy way to understand and implement Six Sigma The world's largest and most profitable companies—including the likes of GE, Bank of America, Honeywell, DuPont, Samsung, Starwood Hotels, Bechtel, and Motorola—have used Six Sigma to achieve breathtaking improvements in business performance, in everything from products to processes to complex systems and even in work environments. Over the past decade, over $100 billion in bottom-line performance has been achieved through corporate Six Sigma programs. Yet, despite its astounding effectiveness, few outside of the community of Six Sigma practitioners know what Six Sigma is all about. With this book, Six Sigma is revealed to everyone. You might be in a company that's already implemented Six Sigma, or your organization may be considering it. You may be a student who wants to learn how it works, or you might be a seasoned business professional who needs to get up to speed. In any case, this updated edition of Six Sigma For Dummies is the most straightforward, non-intimidating guide on the market. New and updated material, including real-world examples What Six Sigma is all about and how it works The benefits of Six Sigma in organizations and businesses The powerful "DMAIC" problem-solving roadmap Yellow, Green and Black—how the Six Sigma "belt" system works How to select and utilize the right tools and technologies Speaking the language of Six Sigma; knowing the roles and responsibilities; and mastering the statistics skills and analytical methods Six Sigma For Dummies will become everyone's No. 1 resource for discovering and mastering the world's most famous and powerful improvement tool. Stephen Covey is spot-on when he says, "Six Sigma For Dummies is a book to be read by everyone."

BoD – Books on Demand

In Leading Six Sigma, two of the world's most experienced Six Sigma leaders offer a detailed, step-by-step strategy for leading Six Sigma initiatives in your company. Top Six Sigma consultant Dr. Ronald D. Snee and GE quality leader Dr. Roger W. Hoerl show how to deploy a Six Sigma plan that reflects your organization's unique needs and culture, while also leveraging key lessons learned by the world's most successful implementers. Snee and Hoerl share leadership techniques proven in companies both large and small, and in business functions ranging from R & D and manufacturing to finance. They also present a start-to-finish sample deployment plan encompassing strategy, goals, metrics, training, roles and responsibilities, reporting, rewards, and management review. Whether you're a CEO, line-of-business leader, or a project leader, Leading Six Sigma gives you the one thing other books on Six Sigma lack: a clear view from the top. * The right projects, the right people Identifying your company's most promising Six Sigma opportunities and leaders * How to hit the ground running Providing leadership, talent, and infrastructure for a successful launch * From launch to long-term success Implementing systems, processes, and budgets for ongoing Six Sigma projects * Getting the bottom-line results that matter most Measuring and maximizing the financial value of your Six Sigma initiative * Four detailed case studies: What works and what doesn't Avoiding the subtle mistakes that can make Six Sigma fall short. Proven techniques for leading successful quality initiatives. The Six Sigma guide designed specifically for business leaders Co-authored by Dr. Roger W. Hoerl, a leader in implementing Six Sigma at GE Draws on Six Sigma experiences at over 30 leading companies Covers the entire Six Sigma lifecycle, from planning onward Presents new solutions for overcoming the cultural resistance to Six Sigma initiatives Leading Six Sigma offers an insider's view of what it really takes to lead a successful Six Sigma initiative, drawing on the authors' experience at the top levels of the world's largest and most challenging organizations.Dr. Ronald D. Snee shares experiences drawn from executive-level consulting at over 30 major companies. Dr. Roger W. Hoerl teaches powerful lessons from his experience in pioneering Six Sigma throughout GE during the Jack Welch era. Together they offer unprecedented executive guidance on the issues most crucial to senior managers, covering every stage from planning through ongoingmanagement.Snee and Hoerl offer practical solutions for the cultural challenges and human resistance that face any executive seeking to initiate Six Sigma or improve an existing program. They even explain how and when to "wind down" initiatives, transitioning Six Sigma to a "fact of life" that doesn't require the support of a massive centralized infrastructure. " This is a truly insightful and well-researched book on Six Sigma by two of the leading experts in the field. Theirroadmap for successful deployment is supported by the experiences of major corporations, including GE and Honeywell. Itis extremely well presented in a step-by-step manner and backed up by real business-case examples. Bravo to the authors inbringing us a book that should be at the ready reach of leadership of organizations and the practitionersof Six Sigma. It reminded me so much of 'In Search of Excellence' as far as its potential impact on the way businessescan be successful. "&

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Delivering successful projects means the ability to produce high quality software within budget and on time—consistently, but when one mentions quality to software engineers or project managers, they talk about how impossible it is to eliminate defects from software. This assumption is passed on and on until it becomes accepted wisdom, with the power of a self-fulfilling prophecy. And when a project fails to arrive on time or up to standards, team members will turn on each other. The project got delayed because the engineers did a poor job in development or too much was promised upfront for this short of a timeline. In Delivering Successful Projects with TSPSM and Six Sigma: A Practical Guide to Implementing Team Software ProcessSM, you will learn how to effectively manage the development of a software project and deliver it in line with customer expectations. This refreshing volume — Offers real-world case studies about the author’s experience at Microsoft successfully implementing TSP to achieve higher quality software Empowers software developers to take responsibility for project management Explains how Six Sigma and TSP combined can dramatically reduce software defects By applying these principles put forth by one of the most respected names in software development, your software team will learn how to function as a team and turn out products where zero defects and on-time delivery are the norm.

Explaining the Basics of Continuous Improvement FT Press

Project management strategies for meeting Six Sigma project goals--on time and on budget The Six Sigma Project Planner shows leaders how to use project management tools to complete Six Sigma improvements on time and on budget. The Planner provides dozens of reproducible project management tools for following the proven Define-Measure-Analyze-Improve- Control (DMAIC) process improvement format. Readers who follow its guidelines will be able to quickly and effectively: Determine a Six Sigma project's ROI Correct problems in current processes Develop and implement entirely new processes

Combining Six Sigma Quality with Lean Production Speed Gramedia Pustaka Utama

Communication is a vital part of project management, and reports are one of the preferred vehicles for transmitting information to an intended internal or external audience. Reports are also part of the system of control and governance on projects, used to bring attention to issues and prompt action to improve project outcomes. There are countless ways of combining project information for consumption by stakeholders. This book discusses the purpose of project reports, and provides examples of the format, content, timing, and audience for various types. Using principles of stakeholders and risk management, it presents a rationale for communication plans, enabling appropriate reporting at the project, program, and portfolio level. The author also: Presents tangible experience and suggestions for developing project reports. Discusses project reports in context, as applicable to types of stakeholders and the project lifecycle. Identifies sources and types of data required for adequate reporting. Offers examples of report formats, graphics, and content. Reflects on typical challenges encountered with project reporting. It is essential reading for practitioners and students of project management, cost control, and accountancy.

Robust Design for Quality Engineering and Six Sigma Routledge

Traditionally, Lean and Six Sigma methods were used in Automobile and Manufacturing Industries. This book is an attempt to put lights on the Lean and Six Sigma methods and its utilization. Lean Methods are a known effort for reducing the wastes from a process. Whereas Six Sigma is a business philosophy that mainly focuses on Continuous Improvements. Lean and Six Sigma both are set of tools and strategies that help in improving the processes. Though the Lean and Six Sigma methods were developed to support Improvement Projects in Manufacturing industry, the IT and ITES too are successfully enabling Lean Six Sigma to achieve optimum benefits.

Six Sigma for IT Management - A Pocket Guide McGraw Hill Professional

This book is written primarily for engineers and researchers who use statistical robust design for quality engineering and Six Sigma, and for statisticians who wish to know about the wide range of applications of experimental design in industry. It is a valuable guide and reference material for students, managers, quality improvement specialists and other professionals interested in Taguchi's robust design methods as well as the implementation of Six Sigma. This book can also be useful to those who would like to learn about the role of Robust Design within the Six Sigma (Improve phase) methodology and Design for Six Sigma (DFSS) (Optimize) methodology. It combines classical experimental design methods with those of Taguchi's robust designs, demonstrating their prowess in DFSS and suggesting new directions for the development of statistical design and analysis.