

All Six Sigma Project Examples

A practical, straightforward guide to Six Sigma for employees in organizations contemplating or implementing Six Sigma From noted Six Sigma consultant and author George Eckes, Six Sigma for Everyone explains the underpinnings of the revolutionary quality assurance methodology, offers in-depth examples, and outlines the impact and desired end result of implementation. Whereas, most Six Sigma books are written for executives and practitioners of Six Sigma and tend to be overly technical or strategically focused, this book is written specifically for employees of organizations thinking about or already attempting implementation. George Eckes (Superior, CO) is founder, President, and CEO of Eckes & Associates, Inc., a Colorado-based consulting group specializing in results driven by continuous improvement, Six Sigma training and implementation, organizational development, and change management. Among his clients in the United States, Asia, Europe, and Mexico are Volvo Trucks North America, Honeywell, Wells Fargo, and General Electric. He is also the author of Six Sigma Team Dynamics (Wiley: 0-471-22277-1), Making Six Sigma Last (Wiley: 0-471-41548-0), and The Six Sigma Revolution (Wiley: 0-471-38822-X).

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 50 million people have 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."

A full, expert discussion of the last major component of Six Sigmaimplementation George Eckes' first two books on Six Sigma-The Six Sigma Revolutionand Making Six Sigma Last-dealt with Six Sigma from a strategiclevel and from a cultural level, respectively. Six Sigma TeamDynamics covers the last component of Six Sigma—improving teamprocesses. The successful completion of Six Sigma depends on teamworking together and applying a proven methodology that defines,measures, analyzes, and controls the process. These teamdynamics and the roles and responsibilities of all constituenciesare the last remaining key to successful Six Sigma implementation.

The Six Sigma Project Planner A Step-by-Step Guide to Leading a Six Sigma Project Through DMAICMcGraw Hill Professional

Lean Six Sigma Statistics

Quality Beyond Six Sigma

Six Sigma

Executing Improvement Projects Successfully

Transactional Six Sigma and Lean Servicing

Although Lean and Six Sigma appear to be quite different, when used together they have shown to deliver unprecedented improvements to quality and profitability. The Lean Six Sigma Black Belt Handbook: Tools and Methods for Process Acceleration explains how to integrate these seemingly dissimilar approaches to increase production speed while decreasing variations and costs in your organization. Presenting problem-solving tools you can use to immediately determine the sources of the problems in your organization, the book is based on a recent survey that analyzed Six Sigma tools to determine which are the most beneficial. Although it focuses on the most commonly used tools, it also includes coverage of those used a minimum of two times on every five Six Sigma projects. Filled with diagrams of the advanced you'll need, the book supplies a comprehensive framework to help you for organize and process the vast amount of information currently available about Lean, quality management, and continuous improvement process applications. It begins with an overview of Six Sigma, followed by little-known tips for using Lean Six Sigma (LSS) effectively. It examines the LSS quality system, its supporting organization, and the different roles involved. Identifying the theories required to support a contemporary Lean system, the book describes the new skills and technologies that you need to master to be certified at the Lean Six Sigma Black Belt (LSSBB) level. It also covers the advanced non-statistical and statistical tools that are new to the LSSBB body of knowledge. Presenting time-tested insights of a distinguished group of authors, the book provides the understanding required to select the solutions that best fit your organization's aim and culture. It also includes exercises, worksheets, and templates you can easily customize to create your own handbook for continuous process improvement. Designed to make the methodologies you choose easy to follow, the book will help Black Belts and Senseis better engage their employees, as well as provide an integrated and visual process management structure for reporting and sustaining continuous improvement breakthroughs and initiatives.

Includes new and expanded coverage of Six Sigma infrastructure building and benchmarking. Provides plans, checklists, metrics, and pitfalls.

With the growing business industry, there's a large demand for greater speed and quality, for projects of all natures in both small and large businesses. Lean Six Sigma is the result of the combination of the two best-known improvement methods: Six Sigma (making work better, of higher quality) and Lean (making work faster, more efficient). Lean Six Sigma For Dummies outlines they key concepts in plain English, and shows you how to use the right tools, in the right place, and in the right way, not just in improvement and design projects, but also in your day-to-day activities. It shows you how to ensure the key principles and concepts of Lean Six Sigma become a natural part of how you do things so you can get the best out of your business and accomplish your goals better, faster and cheaper. About the author John Morgan is also a Director at Catalyst Consulting, Europe's leading provider of lean Six Sigma solutions for 10 years. Martin Brenig-Jones is also a Director at Catalyst Consulting. He is an expert in Quality and Change Management and has worked in the field for 16 years.

If lean manufacturing moves your products through processes faster, and Six Sigma improves their quality, just imagine what combining these two powerful disciplines will do for you! Lean Six Sigma That Works provides the key to transforming your results in any manufacturing environment, giving you detailed, practical processes that let you leave the conference room, and get right to work. A strong and sensible combination of the "why" and the "how," this book gives you a step-by-step improvement plan, plus a thorough understanding of: * cost, cash flow, materials velocity, lead time, balance, waste, and non-value-added processes * value stream mapping and the DMAIC process for solving problems and improving quality profitability * how every form of waste impacts customer satisfaction and the bottom line * and much more Whether you're a seasoned professional, or implementing your first lean sigma project, this invaluable guide offers you a clear path to higher quality, customer loyalty, and increased efficiency.

Implementing Lean Six Sigma in 30 Days

Six Sigma For Dummies

A Step-by-Step Guide to Leading a Six Sigma Project Through DMAIC

Calculating Process Efficiencies in Transactional Project

Six Sigma for Business Excellence: Approach, Tools and Applications

Champion's Practical Six Sigma Summary

Lean Six Sigma is a method and strategy that supports individuals and project management teams as they pinpoint problems and implement work process improvements. You don't need to be an engineer to apply these practical principles and tools, and you can use them in any organization and industry. The fact is, applying Lean Six Sigma is easier to use than you think, and the guide will show you how. As the legendary management guru Peter Drucker said, "There is nothing so useless as doing efficiently that which should not be done at all."Lean Six Sigma takes the best of the Lean method for waste reduction and continuous improvement and pairs it with the variation and quality control methods of Six Sigma. The result is a comprehensive methodology that supports you in managing work processes for optimal success. This easy-to-use competency-based guide is a how-to manual. You can use it for self-paced learning and also in project teams. Each of the key concepts described in Unlocking Lean Six Sigma gives you a bite-sized chunk of key information. But the ideas are not just explained. Each concept includes: -Worksheets showing how you can develop what you learned in your environment.

-Worksheets showing how you can apply what you learned to your own work. -Practice questions and places where you can document what you learned and how you might use it in your job.At the end of the guide, you'll find a 120-question knowledge test that allows you to self-test how well you understood the material. Optionally, if you want to earn professional development hours (PDHs) or a Lean Sigma credential, you can do so through Centstar. For more information, see the Earn PDHs and a Lean Sigma Yellow Belt Credential section in the guide. In a jargon-crowded field, words like Lean and Six Sigma can be intimidating for both beginners and experienced users. Don't worry. Unlocking Lean Six Sigma is written in plain language and packed with straightforward examples. This easy-to-follow guide provides you with tools and techniques for implementing Lean Six Sigma and managing change initiatives. Including Lean Six Sigma skills on your resume will get you noticed! Every organization seeks to provide exceptional products and service to customers, and to do it efficiently and cost effectively. This practical guide is for individuals who want to advance their professional skills, ward leaving careers, and want to have their coworkers and managers view them as effective contributors who step up to help guide projects and ensure success. Organizational leaders want individuals who are passionate about their jobs, can work collaboratively in a team, and strive to continuously improve. This book can help you do all those things. The Unlocking Lean Six Sigma approach has helped thousands of people and organizations achieve success. It will help you too.

The current, second edition of this book reflects the 15 years of practical experience with the Six Sigma+Lean toolbox. It is a comprehensive collection of all the tools necessary for project work and running workshops when improving processes. All tools have been illustrated in a clear and comprehensible structure with examples and tips for applying the tools included. The chronology corresponds to the procedure of an improvement project comprising the steps D(efine), M(easure), A(nalyze), I(mprove) and C(ontrol). The most important innovation of this edition is the fact that it guides the user to select the appropriate tool using questions. The paradigm change from a Toolset to a Mindset has proven worthwhile in project work and ensures that corporate problems are addressed with the goal of achieving efficient solutions rather than having a large quantity of perfect tools to choose from. The efficiency factor of work in projects and workshops will therefore improve significantly. Through this paradigm change, connected with its unique structure, this book provides an effective tool not only for project and workshop leaders but also for the executives/sponsors involved who will be guided to solve the given task fast and quickly and in a sustainable way.

Historically, the integration of manufacturing methodologies into the office environment has proven to be problematic. Part of the difficulty lies in the fact that process workflows tend to be globally dispersed and thus rely heavily on information technology. But in complex service systems that contain a mix of employees, consultants, and technology, standardized protocols have been shown to reduce cycle time and transactional cost as well as improve quality. The successful application of Lean methodologies to improve process workflows is an efficient way to simplify operations and prevent mistakes. In Lean Six Sigma for the Office, Six Sigma guru James Martin presents proven modifications that can be deployed in offices, particularly those offices involved with global operations. Making use of Kaizen and Six Sigma concepts, along with Lean manufacturing principles, this book instructs managers on how they can improve operational efficiency and increase customer satisfaction. The author brings experience gleaned from his application of these methodologies in a myriad of industries to create a practical and hands-on reference for the office environment. Using a detailed sequence of activities, including over 140 figures and tables as well as checklists and evaluation tools, he demonstrates how to realize the rapid improvement of office operations, and how to eliminate unnecessary tasks through value stream mapping (VSM). The book also emphasizes the importance of strategic alignment of Kaizen events and the impact of organizational culture on process improvement activities. Later chapters in the book discuss key elements of a change model in the context of transitional improvements as they relate to the process owner and local work team. By applying the proven principles found in this book, effective and sustainable organizational change can be accomplished, efficiency can be improved, and mistakes can be eliminated.

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. Hoert 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 Hoert 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 Six Sigma's most powerful tool, the Champion's vital role in the firm's Six Sigma program, as link between day-to-day process performance and overall business strategy. The authors also discuss how to identify and address the key barriers to success, such as lack of management support, inadequate resources, and poor communication. This book is a must-read for Six Sigma practitioners, managers, and executives. It provides a comprehensive overview of Six Sigma 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 fail short. Proven techniques for leading successful quality initiatives. The Six Sigma guide designed specifically for business leaders Co-authored by Dr. Roger W. Hoert, 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. Hoert 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 Hoert 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 "win 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. Its extremely well presented in a step-by-step manner and backed up by real business-case examples. Bravo to the authors bringing us a book that should be at the ready reach of leadership of organizations and the practitioners! Six Sigma. It reminded me so much of 'In Search of Excellence' as far as its potential impact on the way businessescan be centralized. *8

Mindset for Successful Implementation of Improvement Projects

A Guide to Six Sigma and Process Improvement for Practitioners and Students

Identification, Implementation and Evaluation

Six Sigma Yellow Belt Certification Study Guide

Six Sigma for Everyone

Leading Six Sigma

A comprehensive reference manual to the Certified Six Sigma Black Belt Body of Knowledge and study guide for the CSSBB exam.

This reference manual is designed to help those interested in passing the ASQ's certification exam for Six Sigma Green Belts and others who want a handy reference to the appropriate materials needed to conduct successful Green Belt projects. It is a reference handbook on running projects for those who are already knowledgeable about process improvement and variation reduction. The primary layout of the handbook follows the ASQ Body of Knowledge (BoK) for the Certified Six Sigma Green Belt (CSSGB) updated in 2015. The authors were involved with the first edition handbook, and have utilized first edition user comments, numerous Six Sigma practitioners, and their own personal knowledge gained through helping others prepare for exams to bring together a handbook that they hope will be very beneficial to anyone seeking to pass the ASQ or other Green Belt exams. In addition to the primary text, the authors have added a number of new appendices, an expanded acronym list, new practice exam questions, and other additional materials

A Nuts and Bolts guide to Six Sigma written for one of the most important and least mentioned persons in Six Sigma, the Champion. Carl Cordy and LeRoy Corryea guide the manager through a Practical Summary of this Continuous Improvement technique. As Continuous Improvement, Six Sigma is part of a firms strategy for maintaining the Competitive Edge. The text is divided into two sections. First, the tools the Manager-Champion uses to coach and evaluate his Six Sigma reports are presented. Included in the Six Sigma Overview and Champions Role in the Six Sigma Process chapters are Porch Light Reliability and Car Starting project boundary setting examples. These illustrate a key question the Champion must answer: How narrow should the boundaries of a Six Sigma Project be so my Team Leader can effectively solve the problem it addresses? Second, the Technical methods used by the Project Leaders are presented and explained. The conclusion briefly sums up the Champions vital role in the firms Six Sigma program, as link between day-to-day process performance and overall business strategy.

The next step in the evolution of the organizational quality field, Lean Six Sigma (LSS) has come of age. However, many challenges to using LSS in lieu of, in conjunction with, or integrated with other quality initiatives remain. An update on the current focus of quality management, Quality Management for Organizations Using Lean Six Sigma Techniques covers the concepts and principles of Lean Six Sigma and its origins in quality, total quality management (TQM), and statistical process control (SPC), and then explores how it can be integrated into manufacturing, logistics, and healthcare operations. The book presents the background on quality and Lean Six Sigma (LSS) techniques and tools, previous history of LSS in manufacturing, and current applications of LSS in operations such as logistics and healthcare. It provides a decision model for choosing whether to use LSS or other quality initiatives, which projects should be selected and prioritized, and what to do with non-LSS projects. The author also details an integration model for integrating and developing integrated LSS and other quality initiatives, and common mathematical techniques that you can use for performing LSS statistical calculations. He describes methods to attain the different Six Sigma certifications, and closes with discussion of future directions of Lean Six Sigma and quality. Case studies illustrate the integration of LSS principles into other quality initiatives, highlighting best practices as well as successful and failed integrations. This guide gives you a balanced description of the good, bad, and ugly in integrating LSS into modern operations, giving you the understanding necessary to immediately apply the concepts to your quality processes.

Kaizen Leader & Green Belt Handbook

Quality Management for Organizations Using Lean Six Sigma Techniques

Lean Six Sigma that Works

The Lean Six Sigma Black Belt Handbook

A Powerful Action Plan for Dramatically Improving the Quality, Increasing Speed, and Reducing Waste

8 Steps to Problem Solving - Six Sigma

A brief introduction to Six Sigma for employees Six Sigma is today's most talked-about system for improving the quality of organizational processes. Written by bestselling author Peter Pande,What Is Six Sigma? is a concise summary of the core themes and processes of Six Sigma. Unlike almost all other books on Six Sigma, it is written for the employees of organizations rolling out Six Sigma,not just managers. This helpful overview describes what Six Sigma is, why companies are implementing it, and how employees can make it a success in their own organizations. Based on the bestselling The Six Sigma Way, this accessible introduction to Six Sigma answers typical employee questions, concerns, and even skepticism about this revolutionary program. Includes: The six themes of Six Sigma A five-step roadmap to Six Sigma implementation 10 key tools for Six Sigma, with an entire page devoted to each This book helps professionals to turn their own Six Sigma projects into reality. Using a simple project, the book guides readers through all aspects of Six Sigma, from identifying and defining a suitable project topic, to sustainably managing its success in the control phase. By demonstrating all the necessary steps supported by a DMAIC software guide, it makes the application of the sequentially linked DMAIC tools easy to understand and directly transferable to typical Six Sigma business projects. Further, each chapter provides numerous questions and answers, tasks and the framework for an environmental standard project. This book is an essential part of the author's teaching material on the topic, which also includes the software 'sigmaGuide', a template for project documentation and several hours of video content featuring course materials on edX Learning Community.

The perfect prescription for any organization Increasingly popular with large and mid-sized companies around the world, Lean Six Sigma is the new hybridization of Six Sigma and Lean methodologies, and there is no better approach for achieving operational excellence in an organization. But how do you implement Lean Six Sigma, and what does it entail? The Complete Idiot's Guide to Lean Six Sigma answers this question with unprecedented clarity and turnkey elegance. Part one gives you all the background you need to understand Lean Six Sigma - what it is, where it came from, what it has done for so many organizations and what it can do for you and your company. Parts two and three of the book give you a prescribed yet flexible roadmap to follow in selecting, enacting and realizing improvements from Lean Six Sigma projects. Within this step-by-step structure, the authors demonstrate when and how to use the many Lean Six Sigma statistics and 'tools', packing the pages with diagrams, real-life examples, templates, tips and advice. If you are a Green Belt or a Black Belt, or trainee, these two parts will be invaluable to you. The Complete Idiot's Guide to Lean Six Sigma is the first book of its kind to integrate the Lean Six Sigma tools within a clear stepwise progression, so readers know when and how to actually apply them in their jobs. As such, this book is superior as a companion to any corporate or organizational Lean Six Sigma 'deployment'. No more complex hodgepodge. Other books about Lean and/or Six Sigma tend to provide a lot of good information, tools and statistics, but mostly in a disconnected way, not in a way that is straightforward and user friendly. This makes an already complex subject seem still complex to the neophyte reader. On the other hand, the structure and progression of this book unfolds Lean Six Sigma in a way that a reader can easily become a user, and move more quickly from knowledge to application.therefore, using The Complete Idiot's Guide to Lean Six Sigma, you know why the statistics are important and where to use them, because this is made clear. You know how and when to use Pareto Chart, or do a Stakeholder Analysis or conduct a Failure Mode and Effects Analysis (FMEA). You not only get fully primed on all the parts and parcels of Lean Six Sigma, but you truly learn enough to become dangerous - in a good way! In a way that makes you more valuable to your organization. Also For Lean Six Sigma leaders, not just practitioners. Just as a Lean Six Sigma practitioner follows a proven formula for process improvement, a Lean Six Sigma leader generally follows a process for achieving organizational transformation. This is why the final part of the book focuses on what a Lean Six Sigma leader or Champion needs to know and do to be successful - again according to a detailed step-by-step process that can be followed exactly or modified to fit specific needs. This includes: ? Identifying and selecting Lean Six Sigma projects. ? Understanding the process of organizational transformation. ? Installing an infrastructure for Lean Six Sigma deployment.

The Six Sigma concept has enjoyed triumphant success throughout the business world for two decades, contributing to significant net income improvement for many companies. This successful concept has been supplemented with the tools of Lean Management, a set of strategies for improving product quality and delivery performance and reducing cost. Six Sigma+Lean links the tried-and-tested tools of both programs in the proven DMAIC process model. The chronology matches that of the approach taken in a Six Sigma+Lean improvement project.

A Step-by-step Guide Based on Experience with GE and Other Six Sigma Companies

A Competency-Based Approach to Applying Continuous Process Improvement Principles and Best Practices

Practitioner's Guide to Statistics and Lean Six Sigma For Process Improvements

The Certified Six Sigma Green Belt Handbook, Second Edition

Smarter Solutions Using Statistical Methods

The Complete Idiot's Guide to Lean Six Sigma

The message between Lean Manufacturing and Six Sigma has proven to be a powerful tool for cutting waste and improving the organization's operations. This third book in the Six Sigma Operations series picks up where other books on the subject leave off by providing the six sigma practioners with a statistical guide for solving problems they may encounter in implementing and managing a Lean Six Sigma program. The book draws it examples from all sectors of business ranging from financial to manufacturing providing the reader with a wealth of case studies and as numerous worked out equations which are designed to facilitate the full potential of any Lean Six Sigma project.

This book is for anyone motivated and driven by the desire to create improvements within their team or wider business.

This reference manual is designed to help both those interested in passing the exam for ASQ's Certified Six Sigma Yellow Belt (CSSYB) and those who want a handy reference to the appropriate materials needed for successful Six Sigma projects. It is intended to be a reference for both beginners in Six Sigma and those who are already knowledgeable about process improvement and variation reduction. The primary layout of the handbook follows the Body of Knowledge (BoK) for the CSSYB released in 2015. The author has utilized feedback from Six Sigma practitioners and knowledge gained through helping others prepare for exams to create a handbook that will be beneficial to anyone seeking to pass not only the CSSYB exam but also other Six Sigma exams. In addition to the primary text, the handbook contains numerous appendices, a comprehensive list of abbreviations, and a CD-ROM with practice exam questions, recorded webinars, and several useful publications. Each chapter includes essay-type questions to test the comprehension of students using this book at colleges and universities. Six Sigma trainers for organizations may find this additional feature useful, as they want their trainees (staff) to not only pass ASQ's Six Sigma exams but have a comprehensive understanding of the Body of Knowledge that will allow them to support real Six Sigma projects in their roles.

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

The Certified Six Sigma Black Belt Handbook

STEPS TO COMPLETE A Lean Six Sigma Project

Lean Six Sigma For Dummies

Implementing Six Sigma

What Is Six Sigma?

Six Sigma Team Dynamics

In the new millennium the increasing expectation of customers and products complexity has forced companies to find new solutions and better alternatives to improve the quality of their products. Lean and Six Sigma methodology provides the best solutions to many problems and can be used as an accelerator in industry, business and even health care sectors. Due to its flexible nature, the Lean and Six Sigma methodology was rapidly adopted by many top and even small companies. This book provides the necessary guidance for selecting, performing and evaluating various procedures of Lean and Six Sigma. In the book you will find personal experiences in the field of Lean and Six Sigma projects in business, industry and health sectors.

Project management strategies for meeting Six Sigma project goals--on time and on budget The Six Sigma Project Planner shows Six Sigma Black Belts and Green Belts 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

Master modern Six Sigma implementation with the most complete, up-to-date guide for Green Belts, Black Belts, Champions and students! Now fully updated with the latest lean and process control applications, A Guide to Lean Six Sigma and Process Improvement for Practitioners and Students, Second Edition gives you a complete executive framework for understanding quality and implementing Lean Six Sigma. Whether you're a green belt, black belt, champion, or student, Howard Gillow and Richard Melnyk cover all you need to know. Step by step, they systematically walk you through the five-step DMAIC implementation process, with detailed examples and many real-world case studies. You'll find practical coverage of Six Sigma statistics and management techniques, from dashboards and control charts to hypothesis testing and experiment design. Drawing on their extensive experience consulting on Six Sigma and leading major Lean and quality initiatives, Gillow and Melnyk offer up-to-date coverage of: What Six Sigma can do, and how to manage it effectively Six Sigma roles, responsibilities, and terminology Planning Six Sigma programs and Control Charts Mastering each DMAIC phase: Define, Measure, Analyze, Improve, Control Understanding foundational Six Sigma statistics: probability, probability distributions, sampling distributions, and interval estimation Pursuing Six Sigma Champion or Green Belt Certification, and more This guide will be an invaluable resource for everyone who is currently involved in Six Sigma implementation, or plans to be. It's ideal for students in quality programs. "Green Belts" who project manage Six Sigma implementations. "Six Sigma" who lead Six Sigma teams, "Champions" who promote and coordinate Six Sigma at the executive level, and anyone seeking Six Sigma certification.

The book, A Six Sigma Yellow Belt Certification Study Guide, is designed to be a self-study guide for the Lean Six Sigma Yellow Belt level certification. It is a complete resource in one volume comprising of six parts: - Part 1: A concise Study Guide focused on the Lean Six Sigma Yellow Belt syllabus, and no more. - Part 2: A full detailed, ean Six Sigma Yellow Belt Body of Knowledge, intended as a reference or memory enhancer. - Part 3: A practical hands-on project lab creating deliverables for the Define and Measure stages, such as a Project Charter, SIPOC Chart with process flow map, Fishbone diagram, Pareto chart, and more, all with free downloadable templates. - Part 4: Study Notes: A collection of handy study tips, including a Glossary of Six Sigma Terms and the Lean Japanese words that come up in the exam -Part 5: A testing 50 Question sample exam with answers and explanations covering the Yellow Belt Six Sigma syllabus. There is everything you need in this book to pass the exam, the only thing lacking is your commitment. If you are serious about getting Six Sigma certification then after reading this book you should have no excuse as all the knowledge is at your fingertips. Good Luck on your certification journey! But with this book you shouldn't need it.

Six Sigma-Lean Toolset

The Certified Six Sigma Yellow Belt Handbook

Six Sigma for Students

The Certified Six Sigma Master Black Belt Handbook

The Six Sigma Project Planner

Leveraging Manufacturing Concepts to Achieve World-Class Service

World Class Applications shows what real organisations have done to implement Six Sigma, the methodology used, and the results delivered. The book provides details of how these organisations overcame issues with the statistical tools of Six Sigma and provides valuable lessons by explaining what went wrong when implementation failed. Cases cover topics including: Six Sigma in HR; Implementing Six Sigma in the Dow Chemical company; Six Sigma in IT; and Six Sigma to improve reporting quality. *Demonstrates how Six Sigma has been applied through real-life case studies *Examples from well-known manufacturing and service companies around the world, including Motorola and Dow Chemical *Estimates the financial savings made from implementing Six Sigma in each case study Maximise the quality and efficiency of your organisation with Lean Six Sigma Are you looking to make your organisation more effective and productive? If you answered "yes," you need to change the way it thinks. Combining the leading improvement methods of Six Sigma and Lean, this winning technique drives performance to the next level!and this friendly and accessible guide shows you how. The third edition of Lean Six Sigma For Dummies outlines the key concepts of this strategy and explains how you can use it to get the very best out of your team and your business. The jargon-crowded language and theory of Lean Six Sigma can be intimidating for both beginners and experienced users. Written in plain English and packed with lots of helpful examples, this easy-to-follow guide arms you with tools and techniques for implementing Lean Six Sigma and offers guidance on everything from policy deployment to managing change in your organisation!and everything in between. Gives you plain-English explanations of complicated jargon Serves as a useful tool for businesspeople looking to make their organisation more effective Helps you achieve goals with ease and confidence Provides useful hands-on checklists Whether you want to manage a project more tightly or fine-tune existing systems and processes, the third edition of Lean Six Sigma For Dummies makes it easier to achieve your business goals.

Improve your efficiency -- and bring in big profits! Need help implementing or understanding Six Sigma? Want to take this powerful problem-solving methodology and apply it to your business? Six Sigma isn't just for Fortune 500 companies anymore; it's for every business, even yours, no matter how big or small. This hands-on workbook provides the knowledge, insight, and practical exercises you need to master Six Sigma and put it to work in your business. Perfect as a companion workbook for Six Sigma For Dummies -- or any other Six Sigma book -- Six Sigma Workbook For Dummies gives you a wealth of examples, problems, and other tools you need to turn Six Sigma theory into practice -- today! Discover * How to form and lead a Six Sigma initiative * Project alignment with business objectives and strategy * How to create process flow maps and models * Chart and graph plotting for analysis and interpretation * Methods for calculating Six Sigma scores * How to quantify variable relationships Six Sigma for Business Excellence: Approach, Tools, and Applications, based on the author's first-hand experience in quality engineering, provides a comprehensive coverage of the Six Sigma methodology. This book provides the complete study material for students taking the certified Six Sigma Black Belt and Green Belt examinations conducted internationally by the American Society for Quality (ASQ). At the same time, it adequately fills the need of management professionals with numerous application examples and case studies providing an insight into the practical aspect of implementing Six Sigma tools. The book begins with providing an overview of the evolution of Six Sigma, explains the basic concepts and then takes the readers step by step through the process. The focus is more on enabling the implementation of the Six Sigma tools by providing illustrations, tables, application examples, and templates as well as Minitab and Excel data files for project work and exercises in the soft form on a CD accompanying the book. The templates carried in the book include the Sigma calculator, Six Sigma project review checklist, process mapping, confidence intervals, hypothesis tests, project charter, and measurement systems analysis (Gauge R & R Study). The CD also contains a 30-day trial version of the Minitab and SigmaXL software programs.

The Elusive Key to Project Success

Projects and Personal Experiences

A Problem-Solving Methodology

Six Sigma Green Belt Certification Project

Leading processes to lead companies: Lean Six Sigma

Lean Six Sigma for the Office

This textbook covers the fundamental mechanisms of the Six Sigma philosophy, while showing how this approach is used in solving problems that affect the variability and quality of processes and outcomes in business settings. Further, it teaches readers how to integrate a statistical perspective into problem solving and decision-making processes. Part I provides foundational background and introduces the Six Sigma methodology while Part II focuses on the details of DMAIC process and tools used in each phase of DMAIC. The student-centered approach based on learning objectives, solved examples, practice and discussion questions is ideal for those studying Six Sigma.

Service industries have traditionally lagged manufacturing in adoption of quality management strategies and Six Sigma is no exception. While there are a growing number of books on applying the hot topics of Six Sigma and Lean Manufacturing concepts in a manufacturing environment, there has not been a mainstream book that applies these techniques in a service environment, until now. Transactional Six Sigma and Lean Servicing™: Leveraging Manufacturing Concepts to Achieve World Class Service is a ground breaking "how-to" book that serves as a practical guide for implementing Six Sigma and Lean Manufacturing methods in a transactional service oriented environment. It uses real case studies and examples to show how Six Sigma and Lean Servicing™ techniques have been implemented and proven effective in achieving substantial documented results. Lean Servicing™ is the author's own term used to describe the application of Lean Manufacturing concepts to transactional and service processes. Liberal use of examples, graphics, and tables will assist you in grasping the difficult concepts. Transactional Six Sigma and Lean Servicing™ covers both theory and practical application of Lean Servicing™, Six Sigma DMAIC and Six Sigma DFSS concepts

and methods so you can implement them effectively in your service organization and achieve reduced costs and a new level of service excellence.

Six Sigma is a data-driven management system with near-perfect performance that is a statistical target of operating with no more than 3.4 defects per one million chances. Six sigma has both created avid interest and raised concerns among executives and its practitioners. This is all very well for multinationals like Motorola or General Electric but how can it help small and medium-sized enterprises or the service industry? How do you ensure that solutions stick? Quality Beyond Six Sigma responds to this challenge and provides a practical implementation of the issues of Six Sigma, Lean Enterprise and Total Quality and aligns the 'hard' sigma message with the softer sustainable 'strategic issues'. The result is FIT SIGMA. The authors utilize major and minor case studies to support principles and learnings of FIT SIGMA and include review examples and self-assessment that underpin the sustainable process. The three major case studies are contributed by General Electric, Dow Chemical and Seagate Technology. Senior Executives and Managers of organizations of all types and sizes, Management Consultants and Students of all disciplines will find this book a stimulating guide to quality and operational excellence.

A comprehensive reference manual to the Certified Six Sigma Master Black Belt Body of Knowledge and study guide for the CSSMBB exam.

World Class Applications of Six Sigma

Tools and Methods for Process Acceleration

Foundations, DMAIC, Tools, Cases, and Certification

Unlocking Lean Six Sigma

Six Sigma Workbook For Dummies

Get the Tools You Need to Build a Lean, Mean Business Machine

This hands-on book presents a complete understanding of SixSigma and Lean Six Sigma through data analysis and statisticalconcepts In today's business world, Six Sigma, or Lean Six Sigma, is acrucial tool utilized by companies to improve customersatisfaction, increase profitability, and enhance productivity.Practitioner's Guide to Statistics and Lean Six Sigma forProcess Improvements provides a balanced approach toquantitative and qualitative statistics using Six Sigma and LeanSix Sigma methodologies. Emphasizing applications and the implementation of data analysesas they relate to this strategy for business management, this bookintroduces readers to the concepts and techniques for solvingproblems and improving managerial processes using Six Sigma andLean Six Sigma. Written by knowledgeable professionals working inthe field today, the book offers thorough coverage of thestatistical topics related to effective Six Sigma and Lean SixSigma practices, including: Discrete random variables and continuous random variables Sampling distributions Estimation and hypothesis tests Chi-square tests Analysis of variance Linear and multiple regression Measurement analysis Survey methods and sampling techniques The authors provide numerous opportunities for readers to testtheir understanding of the presented material, as the real datasets, which are incorporated into the treatment of each topic, canbe easily worked with using Microsoft Office Excel, Minitab,MindPro, or Oracle's Crystal Ball software packages. Examples ofsuccesful, complete Six Sigma and Lean Six Sigma projects are supplied in many chapters along with extensive exercises that rangein level of complexity. The book is accompanied by an extensive FTPsite that features manuals for working with the discussed softwarepackages along with additional exercises and data sets. Inaddition, numerous screenshots and figures guide readers throughthe functional and visual methods of learning Six Sigma and LeanSix Sigma. Practitioner's Guide to Statistics and Lean Six Sigma forProcess Improvements is an excellent book for courses on SixSigma and statistical quality control at the upper-undergraduateand graduate levels. It is also a valuable reference forprofessionals in the fields of engineering, business, physics,management, and finance.

Mohit Sharma is a Genpact Certified Master Black Belt, | ASQ Certified Black Belt and Motorola Certified GB. He brings his wealth of experience into this book and shares information, insights, tips and case studies. 8 Steps to Problem Solving – Six Sigma is targeted at top and middle level management professionals. The objective of this book is to give the readers an overview on how to drive continuous improvement within their organisations. The author says in his introduction, "It is my sincere effort to provide readers real-time scenarios to make the learning process more practical. This is why the examples illustrated in this book are from real-life projects, either executed or mentored by me, in the past 15 years." 8 Steps to Problem Solving – Six Sigma is a handy book for those who want to enhance their careers and their organisations. The real-life case studies and the solutions to problems organisations face have been succinctly outlined by Mr. Sharma to help readers drive persistent change and enhancement.

This Minibook is a brief guide for Green Belt during a Lean Six Sigma project management or for Kaizen Leader during a process improvement activity. Through both its theoretical concepts and practical examples it is a pocket book for a quick consultancy. Authors idea comes from companies needs in order to analyze information useful to know in depth different kind of processes. The set of Six Sigma tools are explained through Minitab 16, the last release of the most widely used statistical software.