

Project Portfolio Management Tools Techniques

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Project Scope

ManagementProject Portfolio Management FoundationsPortfolio
ManagementProject Portfolio ManagementMastering Project, Program, and Portfolio
Management

Mastering Project, Program, and Portfolio Management

In today's business climate, where speed-to-market is paramount and there's no margin for error, companies who fail to excel at new products stand no chance of survival. Companies who live and die by their products need better tools for linking product development to strategy to ensure that resources are deployed efficiently from idea to launch across the full range of products. In *Portfolio Management for New Products*, the authors present a rigorous and practical approach to managing a company's product portfolio as you would a financial portfolio—investing for maximum long-term growth. With its field-tested, step-by-step framework, the book provides corporations and managers with the methods and strategies they need to assess and realign their current R&D divisions, determine which products are most worthy of resource allocation, design and implement a portfolio management process, maximize the value of their product portfolios, create balanced portfolios, and recognize and solve challenges as they arise. *Portfolio Management for New Products*, is an essential resource for any company whose profitability, and very existence, relies on the products it chooses to develop and

the speed with which it brings those products to market. This book clarifies the decision-making process, demystifies R&D, and puts corporations on track to understanding and developing the strategies necessary to succeed in the highly competitive and volatile world of product development.

Organizational Project Portfolio Management

Boost your performance with improved project management tactics Project Management ToolBox: Tools and Techniques for the Practicing Project Manager, Second Edition offers a succinct explanation of when, where, and how to use project management resources to enhance your work. With updated content that reflects key advances in the project management field, including planning, implementation, control, cost, and scheduling, this revised text offers added material that covers relevant topics, such as agility, change management, governance, reporting, and risk management. This comprehensive resource provides a contemporary set of tools, explaining each tool's purpose and intention, development, customization and variations, and benefits and disadvantages. Additionally, examples, tips, and milestone checks guide you through the application of these tools, helping you practically apply the information you learn. Effective project management can support a company in increasing market share, improving the quality of products, and enhancing customer service. With so many aspects of project management changing as the business world continues to

evolve, it is critical that you stay up to date on the latest topics in this field. Explore emerging topics within the world of project management, keeping up to date on the latest, most relevant subject areas Leverage templates, exercises, and PowerPoint presentations to enhance your project management skills Discuss tips, reporting, implementation, documentation, and other essentials of the project management field Consider how project management fits into various industries, including technology, construction, healthcare, and product development Project Management ToolBox: Tools and Techniques for the Practicing Project Manager, Second Edition is an essential resource for experienced project managers and project management students alike.

IT Project Portfolio Management

Organizations find that a performance gap exists between sustainability vision and benefits realization. Effecting transformational change requires incorporating sustainability into organization's culture including policies, processes, and people. Although they are often overlooked, project management professionals and HR professionals are valuable

Project Portfolio Management

As a companion guide to portfolio management, this book is primarily grounded with the Standard for Portfolio Management -4th Edition. This book is designed for three primary audience groups: Business Executives, Portfolio Leaders and Practitioners, and Portfolio Thinkers.

Project Portfolio Management Tools and Techniques

Management of Global Construction Projects is the first textbook of its kind, taking a uniquely global approach to project management in construction. Using a wealth of case studies from around the world to explain theory and practice, the authors take a business-oriented, decision-making approach to project management and the challenges it faces in the modern world. The book covers topics highly relevant to the challenges and opportunities currently facing the global construction industry, including managing culturally diverse and globally dispersed teams, international project finance and global stakeholders in projects. Management of Global Construction Projects - is the first textbook to combine project management and international construction - features a wide range of international case studies, with examples from BRIC countries and Africa, to provide real insight into construction across the world, including in developing countries - covers increasingly important and current issues, such as managing sustainability and cultural diversity Management of Global Construction Projects is essential reading for both students of construction management and professionals looking to

understand construction project management in a truly global context.

The Business of Portfolio Management

Agile development processes foster better collaboration, innovation, and results. So why limit their use to software projects—when you can transform your entire business? Written by agile-mentoring expert Jochen Krebs, this book illuminates the opportunities—and rewards—of applying agile processes to your overall IT portfolio. Whether project manager, business analyst, or executive—you'll understand the business drivers behind agile portfolio management. And learn best practices for optimizing results. Use agile processes to align IT and business strategy Adapt and extend core agile processes Orchestrate the collaboration between IT and business vision Eliminate wish-list driven requirements, and manage expectations instead Optimize the balance of projects, resources, and assets in your portfolio Use metrics to communicate project status, quality, even team morale Create a portfolio strategy consistent with the goals of the organization Achieve organizational and process transparency Manage your business with agility—and help maximize the returns!

Project Management Tools and Techniques

Managing large and complex organizations; balancing the needs of business-as-usual, new products and services and business change; assuring risk across everything the business does; these are all core requirements of modern business which are provided by the discipline of portfolio management. The Handbook of Project Portfolio Management is the definitive publication that introduces and describes in detail project portfolio management in today's ever-changing world. The handbook contains the essential knowledge required for managing portfolios of business change with real-life examples that are being used by today's organizations in various industries and environments. The team of expert contributors includes many of the most experienced and highly regarded international writers and practitioners from the global project portfolio management industry, selected to provide the reader with examples, knowledge and the skills required to manage portfolios in any organization. Dennis Lock and Reinhard Wagner's definitive reference on project portfolio management explains: the context and role of the discipline; the practical processes, tools and techniques required for managing portfolios successfully; the capability required and how to develop it. The text also covers the recognized standards as well as emerging issues such as sustainability and environment. Collectively, this is a must-have guide from the leading commentators and practitioners on project portfolio management from across the world.

The Handbook of Project Portfolio Management

Project Portfolio Management (PPM) goes beyond the typical project management approach to offer a set of proven business practices that can help executives, program managers, and project managers bring projects into alignment with the strategies, resources, and executive oversight of the overall enterprise. Step by step, this book shows how to take a project from the inception of a vision to the realization of benefits to the organization. Project Portfolio Management draws on project management expert Harvey A. Levine's years of research and distills the knowledge and best practices from dozens of leaders in the field to show how to select and implement the projects that will garner the best results. Throughout this important resource, Levine tackles the many challenges associated with PPM, including Ranking value and benefits Determining the size of the portfolio pipeline Assessing the impact of uncertainty on projects and portfolios Understanding the benefit and risk relationship Establishing a portfolio governance capability Managing the portfolio to maximize benefits Implementing PPM

Business Driven Project Portfolio Management

Learn powerful techniques for successfully managing modern projects, programs, and portfolios in any environment, no matter how complex. Mastering Project, Program, and Portfolio Management addresses several make-or-break issues associated with successful project management: organizational structure, linkages

between project management and operations, and definitions and interrelationships amongst projects, programs and portfolios. Unlike other books, which address these issues only in passing, this book drills down to offer practical, real-world concepts, in-the-trenches insights, and proven applications. You'll learn how to: Plan projects and strategies to reflect your organization's needs and structures Develop and implement a successful Project Management Office (PMO) Organize projects, programs, and portfolios Systematically maximize the business value of project management This book is part of a new series of six cutting-edge project management guides for both working practitioners and students. Like all books in this series, it offers deep practical insight into the successful design, management, and control of complex modern projects. Using real case studies and proven applications, expert authors show how multiple functions and disciplines can and must be integrated to achieve a successful outcome. Individually, these books focus on realistic, actionable solutions, not theory. Together, they provide comprehensive guidance for working project managers at all levels, as well as indispensable knowledge for anyone pursuing PMI/PMBOK certification or other accreditation in the field.

Portfolio Management For New Products

Business Driven Project Portfolio Management covers the top 10 risks that threaten project portfolio management success and offers practical alternatives to help

ensure achievement of desired results. Written from a business perspective, it contains the executive insights, management strategy, tactics, processes and architecture needed for the successful implementation, ongoing management, and continual improvement of project portfolio management (PPM) in any organization. Key Features: --Presents actionable tools, techniques and solutions to the top 10 PPM risks and execution difficulties that most organizations and program management offices (PMOs) face --Includes real case examples that organizations and PMOs of all shapes and sizes seeking to effectively management project portfolios will find beneficial --Shares insightful and practical advice from executives of leading PPM providers, coupled with the wisdom of highly experienced operational executives who manage PMOs, use PPM applications, and are responsible for PPM success --WAV offers downloadable PPM-related episodes of The PMO Podcast™, an executive overview presentation of the book's content, solutions to end-of-chapter questions for professors, and 100 practical tips for implementing PPM within your organization — available from the Web Added Value™ Download Resource Center at www.jrosspub.com

Project Management ToolBox

Every CEO in the world, if questioned, will always complain that there are a lot of ideas to implement, but, unfortunately, insufficient resources to accomplish them. This book provides a solution to this dilemma by supplying techniques to assess

the value of projects, prioritize projects, and decide which projects to implement and which to postpone. In addition, it describes various methods of balancing project portfolios and different strategic alignment models. The book provides thirty real-life project portfolio management case studies from pharmaceutical, product development, financial, energy, telecommunications, not-for-profit and professional services industries.

Becoming a Sustainable Organization

Recognizing the importance of selecting and pursuing programs, projects, and operational work that add sustainable business value that benefits end users, the Project Management Institute (PMI) issued its first Standard on Portfolio Management in 2006. In 2014, it launched the Portfolio Management Professional (PfMP) credential-which several of the

Project Portfolio Management Strategies for Effective Organizational Operations

This groundbreaking book introduces you to a comprehensive approach to implementing Project Portfolio Management (PPM) to support and prioritize IT projects in both large and small companies. The first book to show you how to

manage the portfolio of all IT-based projects in an organization, this unique resource details how a portfolio of projects can be aligned with the ever-changing marketplace via a central strategy, maximized for overall return on investment, and balanced for risk across an organization. Written by a highly regarded industry professional with over 15 years of experience, the book is packed with real-world case studies and insightful personal experiences from the author's career.

Collaboration Tools for Project Managers

In *Collaboration Tools for Project Managers*, Elizabeth Harrin builds upon her 2010 book, *Social Media for Project Managers*, by providing the latest information, success stories, and an easy-to-follow guide to implementing online collaboration tools and helping to overcome obstacles. In order to communicate faster, work virtually with people across the globe, and get better business results, project teams should explore how online collaboration tools can deliver project success and improve business value.

The Fast Forward MBA in Project Management

Organizational Project Portfolio Management: A Practitioner's Guide offers a generic, practical methodology and tool kit to design, build, and manage a

balanced portfolio at any level of the enterprise. These techniques can be used irrespective of business industry, where the portfolio management group is located within the organizational hierarchy, or the type of projects contained. Key Features Discusses how the principles of financial portfolio management are applicable to project portfolios, and outlines the three key steps to achieving a profitable project portfolio: 1) Defining your project investment strategy, 2) Selecting the right projects, and 3) Effectively managing them Presents a model and PPM methodology for a balanced portfolio based on concepts similar to a framework known as the 'balanced scorecard' that allows you to create a balance along any project characteristic such as size, risk, and development time Demonstrates how earned value management techniques can be effectively applied at the portfolio level and addresses risk and uncertainty Explains how to reprioritize projects when resources become limited, utilize key metrics to monitor and manage portfolio performance, and determine whether a project should be continued or terminated Uses a case study to illustrates how you can apply the methods and tools presented throughout the text and includes case study exercises to enhance the learning process WAV TM offers downloadable charts for managing resources, discounted cash flow and Monte Carlo simulation spreadsheets, and worksheets for portfolio and project case examples in the book - available from the Web Added Value™ Download Resource Center at www.jrosspub.com.

Implementing Project Portfolio Management

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The all-inclusive guide to exceptional project management The Fast Forward MBA in Project Management is the comprehensive guide to real-world project management methods, tools, and techniques. Practical, easy-to-use, and deeply thorough, this book gives you answers you need now. You'll find the cutting-edge ideas and hard-won wisdom of one of the field's leading experts, delivered in short, lively segments that address common management issues. Brief descriptions of important concepts, tips on real-world applications, and compact case studies illustrate the most sought-after skills and the pitfalls you should watch out for. This new fifth edition features new case studies, new information on engaging stakeholders, change management, new guidance on using Agile techniques, and new content that integrates current events and trends in the project management sphere. Project management is a complex role, with seemingly conflicting demands that must be coordinated into a single, overarching, executable strategy — all within certain time, resource, and budget constraints. This book shows you how to get it all together and get it done, with expert guidance every step of the way. Navigate complex management issues effectively Master key concepts and real-world applications Learn from case studies of today's leading experts Keep your project on track, on time, and on budget From finding the right sponsor to clarifying objectives to setting a realistic schedule and budget projection, all across different departments, executive levels, or technical domains, project management incorporates a wide range of competencies. The Fast Forward MBA in Project

Management shows you what you need to know, the best way to do it, and what to watch out for along the way.

Managing Technology-Based Projects

A GUIDE TO EFFECTIVE PROJECT MANAGEMENT IN TECHNOLOGY-BASED FIRMS
Used effectively, project management can increase a firm's market share, product quality, and customer satisfaction. Though technology-based companies place themselves at a competitive disadvantage if they neglect this strategic tool, many overlook project management's benefits because they see themselves as continuously adapting organizations. In reality, this role makes project management even more vital. Managing Technology-Based Projects imparts the latest approaches and tools essential to lead a successful technology-based project. It outlines the practical integration of project management with four key areas: strategic alignment of projects within the enterprise, the project management process and its organizational support system, invaluable tools and techniques, and the individual and group leadership within a project's organization. Complete with examples of industrial applications, the book includes: Methods for defining key performance indicators and assessing project management process effectiveness Suggestions for fine-tuning and continuous improvement Practical case scenarios, discussion topics, end-of-chapter reviews, and exercises Attention to project management as it applies to a globalized business No one in a

managerial role should be without Thamhain's expert advice. This guidebook is your road map to successfully incorporating enterprise project management into technology-based work.

Project Portfolio Management in Theory and Practice

To support the broadening spectrum of project delivery approaches, PMI is offering A Guide to the Project Management Body of Knowledge (PMBOK® Guide) – Sixth Edition as a bundle with its latest, the Agile Practice Guide. The PMBOK® Guide – Sixth Edition now contains detailed information about agile; while the Agile Practice Guide, created in partnership with Agile Alliance®, serves as a bridge to connect waterfall and agile. Together they are a powerful tool for project managers. The PMBOK® Guide – Sixth Edition – PMI's flagship publication has been updated to reflect the latest good practices in project management. New to the Sixth Edition, each knowledge area will contain a section entitled Approaches for Agile, Iterative and Adaptive Environments, describing how these practices integrate in project settings. It will also contain more emphasis on strategic and business knowledge—including discussion of project management business documents—and information on the PMI Talent Triangle™ and the essential skills for success in today's market. Agile Practice Guide has been developed as a resource to understand, evaluate, and use agile and hybrid agile approaches. This practice guide provides guidance on when, where, and how to apply agile approaches and

provides practical tools for practitioners and organizations wanting to increase agility. This practice guide is aligned with other PMI standards, including A Guide to the Project Management Body of Knowledge (PMBOK® Guide) – Sixth Edition, and was developed as the result of collaboration between the Project Management Institute and the Agile Alliance.

Project Management for the Oil and Gas Industry

This unique text provides a holistic systems approach to project portfolio management which includes people, processes, tools, and techniques that work synergistically to produce portfolio decisions with the best chance of success. Accompanied by decision support software and advanced decision making techniques, it guides readers step-by-step through the entire project portfolio management process. This professional guide is also ideal for executive continuing education programs, and as a primary text for graduate level academic courses.

Benefits Realization Management

Praise for IT Portfolio Management Step-by-Step "Bryan Maizlish and Robert Handler bring their deep experience in IT 'value realization' to one of the most absent of all IT management practices--portfolio management. They capture the

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essence of universally proven investment practices and apply them to the most difficult of challenges--returning high strategic and dollar payoffs from an enterprise's IT department. The reader will find many new and rewarding insights to making their IT investments finally return market leading results." --John C. Reece, Chairman and CEO, John C. Reece & Associates, LLC Former deputy commissioner for modernization and CIO of the IRS "IT Portfolio Management describes in great detail the critical aspects, know-how, practical examples, key insights, and best practices to improve operational efficiency, corporate agility, and business competitiveness. It eloquently illustrates the methods of building and integrating a portfolio of IT investments to ensure the realization of maximum value and benefit, and to fully leverage the value of all IT assets. Whether you are getting started or building on your initial success in IT portfolio management, this book will provide you information on how to build and implement an effective IT portfolio management strategy." --David Mitchell, President and CEO, webMethods, Inc. "I found IT Portfolio Management very easy to read, and it highlights many of the seminal aspects and best practices from financial portfolio management. It is an important book for executive, business, and IT managers." --Michael J. Montgomery, President, Montgomery & Co. "IT Portfolio Management details a comprehensive framework and process showing how to align business and IT for superior value. Maizlish and Handler have the depth of experience, knowledge, and insight needed to tackle the challenges and opportunities companies face in optimizing their IT investment portfolios. This is an exceptionally important book

for executive leadership and IT business managers, especially those wanting to build a process-managed enterprise." --Peter Fingar, Executive Partner Greystone Group, coauthor of *The Real-Time Enterprise* and *Business Process Management (BPM): The Third Wave* "A must-read for the non-IT manager who needs to understand the complexity and challenges of managing an IT portfolio. The portfolio management techniques, analysis tools, and planning can be applied to any project or function." --Richard "Max" Maksimoski, Senior Director R&D, The Scotts Company "This book provides an excellent framework and real-world based approach for implementing IT portfolio management. It is a must-read for every CIO staff considering how to strategically and operationally impact their company's bottom line." --Donavan R. Hardenbrook, New Product Development Professional, Intel Corporation

Portfolio Management

Many companies and organisations are faced with a portfolio of projects that need to be managed effectively and successfully. This new book by leading practitioners introduces a framework and range of tools to enable the project portfolio to be strategically managed including establishing guidelines, prioritising, aligning projects with strategy, balancing the portfolio and sustaining a change culture through continuous improvement.

Management of Global Construction Projects

Selecting the right projects to work on is critical in gaining a competitive edge in today's marketplace. Learn about portfolio management tools, techniques, and methods in this collection of articles from leaders in the field like David Cleland, Robert Cooper, Thomas Saaty, David Frame, Steven Wheelwright, and others. Case studies and best practices show you how others successfully manage their portfolios.

A Guide to the Project Management Body of Knowledge (PMBOK(R) Guide-Sixth Edition / Agile Practice Guide Bundle (HINDI)

Did you know that more than 60 percent of executives say they struggle making kill/go decisions on their projects? Corporations are counting on project managers more than ever to help them navigate these tough decisions. Do you have the right tools, team, skills, and data necessary to help your executives? The environment that project managers operate in has turned global, with faster "to-market" turnarounds, higher sensitivities to regulatory compliance, and zero tolerance for low quality. Rapid advancements in technology and offshore resourcing make projects and their path to success more complex and fraught with risk. If you feel

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unprepared, then you need S.T.O.P. - The Project Management Survival Plan, a new book from The Actuation Press. S.T.O.P. provides the reader with proven project management principles complemented with tools, tips, techniques, and stories to ensure your success in project delivery. The S.T.O.P. management process is designed around the survival principles used by many of our armed forces divisions. Its foundation is based on the understanding that project management is more than just managing scope, schedule, and cost. Every project manager is familiar with the iron triangle. But it's time that a new triangle emerges. A triangle based on managing value, team performance, and communication. Steven has taken those principles and constructed a framework for project management planning, execution, monitoring, and control. The framework is designed to ensure you've done everything you need, from a project management perspective, to ensure you and your team succeeds and guarantee you're not the reason for stopping the project. What's inside the book: New equations providing focus and the ability to quantify value, team performance, and communication Tips and techniques to increase the value of your project schedule 5 steps to Risk Management Guidance and instruction on how to evaluate your project and stop it if necessary Heat map techniques for project portfolio management And much more About the Author Steven Starke has more than 15 years of experience in Project/Program Management, specializing in solving business problems with technical solutions by delivering multi-million dollar projects and programs on time and within budget while maximizing project value. He's worked with organizations

of all sizes - from small startups to mid-size corporations and multi-billion dollar corporations. Steve has held leadership positions in Product Management, Systems Engineering, Product R&D, and Global IT and has run full-fledged PMOs. His industry experience ranges from consumer products and medical devices to global IT Infrastructure, healthcare analytics, and software development. Steve presents frequently on team building, cross-functional integration, and PMO survival.

Leading Virtual Project Teams

Presents an introduction to the processes of portfolio management, discussing how to identify business goals, develop strategy, evaluate environmental and risk factors, and successfully complete project objectives.

IT (Information Technology) Portfolio Management Step-by-Step

Advanced Project Portfolio Management and the PMO

Does your organization want to achieve success in prioritizing projects systematically, deliberately, and logically? Project Portfolio Management Tools and

Techniques is written to demonstrate how to elevate your organization's project management thinking to the level beyond managing individual projects in a standalone fashion. This book is for those executives and other project professional who strive to have a formalized system of authorizing the right projects and abandoning the wrong projects, who desire to spend resources in the most efficient manner, and who want to have an actionable strategic plan for improving organizational project management sophistication. Project Portfolio Management Tools and Techniques deals with the full spectrum of project portfolio management (PPM) functions, from selecting projects through formalized portfolio management processes to facilitating the successful execution of projects through creating a formalized, project-friendly environment. This book will aid you in the implement of a PPM system, assist in gaining the necessary commitment from executive management, and provide guidelines for the modification of operational practices. Get ahead of the game by seeing a comprehensive project portfolio model that can help you establish yours successfully

Project Portfolio Management

A combination of art and skill that results in the balancing of project objectives against restraints of time, budget, and quality, effective project management requires skill and experience as well as many tools and techniques. Project Management Tools and Techniques: A Practical Guide describes these tools and

techniques and how to use them, giving students the strong foundation they need to develop the skills and experience needed for a successful career in project management. The first five sections discuss a typical project life cycle, and beginning with an introduction to project management in terms of the role it plays in the organization and how a business case drives the process. From this starting point, the various planning and control-oriented techniques described evolve this process through the life cycle from scope development to completion. The final section closes the discussion with a group of more contemporary topics labeled "advanced." These are essential tools that need to be in wide use but are still evolving in practice. Most of the chapters supply sample questions and exercises to help with a review of the material. Each of the authors has extensive real-world experience in her or his respective professional areas with a combined experience of about 100 years. They have selected topics based on their valuation of the tool and its project management value. They present the material in such a way that the concepts can be applied to any project. Once this material is mastered, students will have a good overview regarding the basic planning and control actions required by a project manager. Also, this book will make a great reference guide that can be used by project managers and team members for years to come.

Mastering Project Portfolio Management

Written by ten successful project portfolio managers from companies including AAA,

Boeing, Franklin Templeton, Johnson & Johnson, Safeway, and the UK Government, this easy-to-follow guide takes you through the project portfolio management process. It's based on what actually works, giving you a clear road map and the tools needed to determine the optimal mix and sequencing of projects in order to meet your organization's goals. The book begins by explaining basic PPM principles and why PPM is more critical than ever for business success. This introduction is followed by a story, tracking the experiences of a manager new to PPM as he discovers the issues that all of us face in trying to get traction with our PPM initiatives. In answering the questions our story raises, the book then details each step of the PPM process, using cases and examples drawn from the authors' first hand experience to help you address such key questions as: Which projects should our organization invest in? How can we optimize our organization's capacity? How well are we executing the PPM process? Can our organization absorb all the changes that our PPM plan requires? Are we achieving all the expected benefits? The authors are all members of the Enterprise Portfolio Management Council, a group of senior portfolio management executives dedicated to helping organizations develop their own portfolio management capabilities. Now you can benefit from their collective wisdom and experience, and duplicate their successful results within your own organization.

The Standard for Portfolio Management

Project Portfolio Management (PPM) goes beyond the typical project management approach to offer a set of proven business practices that can help executives, program managers, and project managers bring projects into alignment with the strategies, resources, and executive oversight of the overall enterprise. Step by step, this book shows how to take a project from the inception of a vision to the realization of benefits to the organization. Project Portfolio Management draws on project management expert Harvey A. Levine's years of research and distills the knowledge and best practices from dozens of leaders in the field to show how to select and implement the projects that will garner the best results. Throughout this important resource, Levine tackles the many challenges associated with PPM, including Ranking value and benefits Determining the size of the portfolio pipeline Assessing the impact of uncertainty on projects and portfolios Understanding the benefit and risk relationship Establishing a portfolio governance capability Managing the portfolio to maximize benefits Implementing PPM

Project Portfolio Management

This unique text provides a holistic systems approach to project portfolio management which includes people, processes, tools, and techniques that work synergistically to produce portfolio decisions with the best chance of success. Accompanied by decision support software and advanced decision making techniques, it guides readers step-by-step through the entire project portfolio

management process. This professional guide is also ideal for executive continuing education programs, and as a primary text for graduate level academic courses.

Agile Portfolio Management

In a 1945 speech, Winston Churchill stated, "We are shaping the world faster than we can change ourselves, and we are applying to the present the habits of the past." Was Churchill predicting the future of project management? Have we changed how we communicate and lead projects? Have leadership and management theories and models evolved to keep pace with today's business environment? *Leading Virtual Project Teams: Adapting Leadership Theories and Communications Techniques to 21st Century Organizations* addresses the challenges the virtual project management environment poses to traditional methods of leadership and communication. It introduces new approaches for adapting existing leadership theories to e-leadership as well as progressive tools and techniques to improve virtual project communications. The book begins by examining the factors affecting the movement from traditional work environments to virtual organizations. It considers the challenges of leading multicultural, global organizations and reviews what e-leadership means. Illustrating the application of both traditional and new leadership models and theories to virtual project management, the book includes best practices for: Managing and motivating the multicultural team Communicating in a distributed work environment Avoiding

social isolation Cyber-bullying in the virtual environment and e-ethics Cultural management issues Explaining how traditional leadership theories and models can be applied to contemporary projects, the book details methods virtual project managers can use to enhance virtual communications. The final chapter describes the e-leadership skills and competencies project managers will need to ensure sustainable success in today's competitive business environment. This book provides the virtual project manager with the tools and techniques to improve e-leadership and communications. Complete with case studies that illustrate real-world applications to the virtual challenges presented in each chapter, the book is a suitable text for educational institutions looking to increase understanding of project management leadership and communications outside the traditional project environment.

Data Analytics in Project Management

Project Management Data analytics plays a crucial role in business analytics. Without a rigid approach to analyzing data, there is no way to glean insights from it. Business analytics ensures the expected value of change while that change is implemented by projects in the business environment. Due to the significant increase in the number of projects and the amount of data associated with them, it is crucial to understand the areas in which data analytics can be applied in project management. This book addresses data analytics in relation to key areas,

approaches, and methods in project management. It examines: • Risk management • The role of the project management office (PMO) • Planning and resource management • Project portfolio management • Earned value method (EVM) • Big Data • Software support • Data mining • Decision-making • Agile project management Data analytics in project management is of increasing importance and extremely challenging. There is rapid multiplication of data volumes, and, at the same time, the structure of the data is more complex. Digging through exabytes and zettabytes of data is a technological challenge in and of itself. How project management creates value through data analytics is crucial. Data Analytics in Project Management addresses the most common issues of applying data analytics in project management. The book supports theory with numerous examples and case studies and is a resource for academics and practitioners alike. It is a thought-provoking examination of data analytics applications that is valuable for projects today and those in the future.

Project Portfolio Management

Continuous improvements in project portfolio management have allowed for optimized strategic planning and business process improvement. This not only leads to more streamlined processes, methods, and technologies, but it increases the overall productivity of companies. Project Portfolio Management Strategies for Effective Organizational Operations is a key resource on the latest advances and

research regarding strategic initiatives for portfolio and program management. Highlighting multidisciplinary studies on value creation, portfolio governance and communication, and integrated circular models, this publication is an ideal reference source for professionals, researchers, business managers, consultants, and university students in economics, management, and engineering.

Mastering Project Portfolio Management

The Business of Portfolio Management offers key insights to adopting a new approach to portfolio management that boosts organizational strategy. A veteran in the field, author Iain Fraser proposes using a value management framework to link organizational strategy to portfolio content. This expansive guide includes case study examples of in-depth discussions about the value management framework, implementation and delivery techniques, portfolio leadership qualities, Work staff roles, professional development, and change management. Organizational maturity models to evaluate project, program, and portfolio performance and tools and techniques to implement, execute, and measure their benefits are also included. Book jacket.

S.T.O.P. the Project Management Survival Plan

Incomplete or missed requirements, omissions, ambiguous product features, lack of user involvement, unrealistic customer expectations, and the proverbial scope creep can result in cost overruns, missed deadlines, poor product quality, and can very well ruin a project. *Project Scope Management: A Practical Guide to Requirements for Engineering, Product, Construction, IT and Enterprise Projects* describes how to elicit, document, and manage requirements to control project scope creep. It also explains how to manage project stakeholders to minimize the risk of an ever-growing list of user requirements. The book begins by discussing how to collect project requirements and define the project scope. Next, it considers the creation of work breakdown structures and examines the verification and control of the scope. Most of the book is dedicated to explaining how to collect requirements and how to define product and project scope inasmuch as they represent the bulk of the project scope management work undertaken on any project regardless of the industry or the nature of the work involved. The book maintains a focus on practical and sensible tools and techniques rather than academic theories. It examines five different projects and traces their development from a project scope management perspective—from project initiation to the end of the execution and control phases. The types of projects considered include CRM system implementation, mobile number portability, port upgrade, energy-efficient house design, and airport check-in kiosk software. After reading this book, you will learn how to create project charters, high-level scope, detailed requirements specifications, requirements management plans, traceability matrices, and a work

breakdown structure for the projects covered.

Project Scope Management

Recognizing the importance of selecting and pursuing programs, projects, and operational work that add sustainable business value that benefits end users, the Project Management Institute (PMI®) issued its first Standard on Portfolio Management in 2006. In 2014, it launched the Portfolio Management Professional (PfMP®) credential—which several of the experts who contributed to this book earned—to recognize the advanced expertise required of practitioners in the field. Presenting information that is current with *The Standard for Portfolio Management, Third Edition (2013)*; *Portfolio Management: A Strategic Approach* supplies in-depth treatment of the five domains and identifies best practices to ensure the organization has a balanced portfolio management that is critical to success. Following PMI's standard, the book is organized according to its five domains: strategic alignment, governance, portfolio performance management, portfolio risk management, and portfolio communications management. Each chapter presents the insight of different thought leaders in academia and business. Contributors from around the world, including the Americas, Europe, the Middle East, Africa, and Australia, supply a global perspective as to why portfolio management is essential for all types of organizations. They provide guidelines, examples, and models to consider, along with discussion and analysis of relevant literature in the field. Most

chapters reference PMI standards, complement their concepts, and expand on the concepts and issues that the standards mention in passing or not at all. Overall, this is a must-have resource for anyone pursuing the PfMP® credential from PMI. For executives and practitioners in the field, it provides the concepts you will need to address the ever-changing complexities that impact your work. This book is also suitable as a textbook for universities offering courses on portfolio management.

Project Portfolio Management Foundations

Learn powerful techniques for successfully managing modern projects, programs, and portfolios in any environment, no matter how complex. Mastering Project, Program, and Portfolio Management addresses several make-or-break issues associated with successful project management: organizational structure, linkages between project management and operations, and definitions and interrelationships amongst projects, programs and portfolios. Unlike other books, which address these issues only in passing, this book drills down to offer practical, real-world concepts, in-the-trenches insights, and proven applications. You'll learn how to: Plan projects and strategies to reflect your organization's needs and structures Develop and implement a successful Project Management Office (PMO) Organize projects, programs, and portfolios Systematically maximize the business value of project management This book is part of a new series of six cutting-edge project management guides for both working practitioners and students. Like all

books in this series, it offers deep practical insight into the successful design, management, and control of complex modern projects. Using real case studies and proven applications, expert authors show how multiple functions and disciplines can and must be integrated to achieve a successful outcome. Individually, these books focus on realistic, actionable solutions, not theory. Together, they provide comprehensive guidance for working project managers at all levels, as well as indispensable knowledge for anyone pursuing PMI/PMBOK certification or other accreditation in the field.

Portfolio Management

Advanced Project Portfolio Management is a comprehensive book which presents a roadmap for the achievement of high value enterprise strategies and superior project management results. It provides methods for best project selection, faster completion, optimal project portfolio management, and how to explicitly measure the PMO for rapidly increasing project ROI.

Project Portfolio Management

Project management for oil and gas projects comes with a unique set of challenges that include the management of science, technology, and engineering aspects.

Underlining the specific issues involved in projects in this field, *Project Management for the Oil and Gas Industry: A World System Approach* presents step-by-step application of project management techniques. Using the Project Management Body of Knowledge (PMBOK®) framework from the Project Management Institute (PMI) as the platform, the book provides an integrated approach that covers the concepts, tools, and techniques for managing oil and gas projects. The authors discuss specialized tools such as plan, do, check, act (PDCA); define, measure, analyze, improve, control (DMAIC); suppliers, inputs, process, outputs, customers (SIPOC); design, evaluate, justify, integrate (DEJI); quality function deployment (QFD); affinity diagrams; flowcharts; Pareto charts; and histograms. They also discuss the major activities in oil and gas risk assessment, such as feasibility studies, design, transportation, utility, survey works, construction, permanent structure works, mechanical and electrical installations, and maintenance. Strongly advocating a world systems approach to managing oil and gas projects and programs, the book covers quantitative and qualitative techniques. It addresses technical and managerial aspects of projects and illustrates the concepts with case examples of applications of project management tools and techniques to real-life project scenarios that can serve as lessons learned for best practices. An in-depth examination of project management for oil and gas projects, the book is a handbook for professionals in the field, a guidebook for technical consultants, and a resource for students.

Mastering Project, Program, and Portfolio Management

Benefits realization management (BRM) is a key part of governance, because it supports the strategic creation of value and provides the correct level of prioritization and executive support to the correct initiatives. Because of its relevance to the governance process, BRM has a strong influence over project success and is a link between strategic planning and strategy execution. This book guides portfolio, program, and project managers through the process of benefits realization management so they can maximize business value. It discusses why and how programs and projects are expected to enable value creation, and it explains the role of BRM in value creation. The book provides a flexible framework for: Translating business strategy drivers into expected benefits and explains the subsequent composition of a program and project portfolio that can realize expected benefits Planning the benefits realization expected from programs and projects and then making it happen Keeping programs and projects on track Reviewing and evaluating the benefits achieved or expected against the original baselines and the current expectations. To help project, program, and portfolio managers on their BRM journey, as well as to support business managers in executing business strategies, the book identifies key organizational responsibilities and roles involved in BRM practices, and it provides a simple reference that can be mapped against any organizational structure. A detailed and comprehensive case study illustrates each phase of the BRM framework as it links

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business strategy to project work, benefits, and business value. Each chapter ends with a series questions that provide a BRM self-assessment. The book concludes with a set of templates and detailed instructions to ensure successful deployment of BRM.

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