Kindle File Format Critical Chain Versus Critical Path In Project Management

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Critical Chain - Eliyahu M Goldratt - 2017-10-03
This fast-paced business novel does for project management what The Goal and It’s Not Luck have done for production and marketing. Goldratt’s novels have traditionally slain sacred cows and delivered new ways of looking at processes which seem like common sense once you read them. Critical Chain is no exception. In perhaps Eliyahu’s most readable book yet, two of the established principles of project management, the engineering estimate and project milestones, are found wanting and dismissed, and other established principles are up for scrutiny - as Goldratt once more applies his Theory of Constraints. The approach is radical, yet clear, understandable and logical. New techniques are introduced, and Project Buffers, Feeding Buffers, Limit Multitasking, Improved Communications and Correct Measurements make them work. Goldratt even handles the complicated statistics of dispersed variability versus accumulated variability so deftly you won’t even be aware of learning about them - they’ll just seem like more common sense! Critical Chain is critical reading for anyone who deals with projects. If you use block diagrams, drawings or charts to keep track of your activities, you are managing a project - and this book is for you.

Critical Chain Project Management, Third Edition - Lawrence P. Leach - 2014-03-01

Agile Project Management with Kanban - Eric Brechner - 2015-02-25
Use Kanban to maximize efficiency, predictability, quality, and value With Kanban, every minute you spend on a software project can add value for customers. One book can help you achieve this goal: Agile Project Management with Kanban. Author Eric Brechner pioneered Kanban within the Xbox engineering team at Microsoft. Now he shows you exactly how to make it work for your team. Think of this book as “Kanban in a box”: open it, read the quickstart guide, and you’re up and running fast. As you gain experience, Brechner reveals powerful techniques for right-sizing teams, estimating, meeting deadlines, deploying components and services, adapting or evolving from Scrum or traditional Waterfall, and more. For every step of your journey, you’ll find pragmatic advice, useful checklists, and actionable lessons. This truly is “Kanban in a box”: all you need to deliver breakthrough value and quality. Use Kanban techniques to:

- Optimize sustained engineering (contributed by James Waletzky)
- Expand Kanban beyond software development
- Drive quality upstream
- Integrate Kanban into large projects

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Project Management in the Fast Lane - Robert C. Newbold - 1998-03-25
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Project Management with Dynamic Scheduling - Mario Vanhoucke -
2013-11-29
The topic of this book is known as dynamic scheduling, and is used to refer
to three dimensions of project management and scheduling: the
construction of a baseline schedule and the analysis of a project schedule’s
risk as preparation of the project control phase during project progress.
This dynamic scheduling point of view implicitly assumes that the usability
of a project’s baseline schedule is rather limited and only acts as a point of
reference in the project life cycle. Consequently, a project schedule should
especially be considered as nothing more than a predictive model that can
be used for resource efficiency calculations, time and cost risk analyses,
project tracking and performance measurement, and so on. In this book, the
three dimensions of dynamic scheduling are highlighted in detail and are
based on and inspired by a combination of academic research studies at
Ghent University (www.ugent.be), in-company trainings at Vlerick Business
School (www.vlerick.com) and consultancy projects at OR-AS
(www.or-as.be). First, the construction of a project baseline schedule is a
central theme throughout the various chapters of the book, and is discussed
from a complexity point of view with and without the presence of project
resources. Second, the creation of an awareness of the weak parts in a
baseline schedule is discussed at the end of the two baseline scheduling parts
as schedule risk analysis techniques that can be applied on top of the
baseline schedule. Third, the baseline schedule and its risk analyses can be
used as guidelines during the project control step where actual deviations
can be corrected within the margins of the project’s time and cost reserves.
The second edition of this book has seen corrections, additions and
amendments in detail throughout the book. Moreover Chapter 15 on
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Parkinson’s Law - C. Northcote Parkinson - 1984-02-12
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Programming and Scheduling Techniques - Thomas Uher - 2012-03-29
This textbook focuses on the theoretical and practical skills needed when
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prove invaluable as a reference for professionals, it has been written for
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Practice Standard for Scheduling - Third Edition - Project Management
Institute - 2019-05
The Practice Standard for Scheduling - Third Edition provides the latest
thinking regarding good and accepted practices in the area of scheduling
for a project. Aligned with the A Guide to the Project Management Body of
Knowledge (PMBOK(R) Guide) - Sixth Edition, this updated practice
standard expounds on the information contained in Section 6 on Project
Schedule Management of the PMBOK(R) Guide. In this new edition of the
practice standard, you will learn to identify the elements of a good schedule
model, its purpose, use, and benefits. You will also discover what is required
to produce and maintain a good schedule model. Also included in the Third
Edition: -Description of scheduling -Definition of schedule model -Uses
and benefits of the schedule model -Definitions of key terms and steps for
scheduling -Detailed descriptions of scheduling components -Guidance
on the principles and concepts of schedule model creation and use -
Descriptions of schedule model principles and concepts -Differences in
schedule model, schedule model instances, and presentations -Detailed
descriptions of critical path method, critical chain, program evaluation and
review technique (PERT), rolling wave planning, and Monte Carlo
simulation -Uses and applications of adaptive project management
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generally accepted good practices associated with the planning,
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It’s Not Luck - Eliyahu M. Goldratt - 2017-09-29
There has been a shift of policy at board level. Cash is needed and Alex
Rogo’s companies are to be put on the block. Alex faces a cruel dilemma. If
he successfully completes the turnaround of his companies they can be sold
for the maximum return: if he fails they will be closed down. Either way Alex
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successful implementation in a range of services firms.” From the Foreword his team. And as if he doesn’t have enough to deal with, his two children have become teenagers. As they grapple with problems at work and at home, we begin to understand the full scope of Eli Goldratt’s powerful techniques. It’s Not Lack reveals more of the Thinking Process-techniques that consistently produce win-win solutions to seemingly impossible problems.

Pmi-Rmp Exam Prep Study Guide - Belinda Fremouw - 2017-04-12
Ideal for: Self-Study, Study Groups, Training Courses

by Erik Bush, Vice President, IBM Global Services Discover the powerful Theory of Constraints (TOC), and use it to drive continuous performance improvement in any services organization Identify the hidden constraints that are limiting your organization, and manage or eliminate them Use TOC to improve the way you manage resources, projects, processes, finance, marketing, and sales Determine whether your organization faces an internal or external constraint, manage that constraint accordingly, and anticipate where the next constraint will arise Release latent capacity shrouded by common business practices Simplify processes that have grown unmanageably complex Optimize your enterprise as a whole rather than suboptimizing individual business units Get buy-in to fundamental changes in strategy, tactics, and operations Managing services is extremely challenging, and traditional “industrial” management techniques are no longer adequate. In Reaching the Goal, Dr. John Arthur Ricketts presents a breakthrough management approach that embraces what makes services different: their diversity, complexity, and unique distribution methods. Ricketts draws on Eli Goldratt’s Theory of Constraints (TOC), one of this generation’s most successful management methodologies thoroughly adapting it to the needs of today’s professional, scientific, and technical services businesses. He reveals how to identify the surprising constraints that limit your organization’s performance, execute more effectively within those constraints, and then loosen or even eliminate them This book’s relentlessly practical techniques reflect several years of advanced IBM research and consulting with enterprise clients. Step-by-step, Ricketts shows how to apply them your most critical business functions from project management to finance, process improvement in sales and marketing. Whatever your role in improving service delivery, processes, or profitability, this book gives you the tools to reach your goals and go beyond them Identify, manage, and overcome your key constraints Five steps to uncovering and addressing the real obstacles to improved performance Optimize core business functions, one step at a time Improve the way you manage resources, projects, processes, finance, and marketing Implement TOC rapidly and effectively Get buy-in, deploy infrastructure, and provide the right IT support?

“There is no doubt that this is a truly original and groundbreaking work in applying the Theory of Constraints. I run a services company and learned so many things about the services business. Anyone involved in large services companies needs to look at what John is proposing. I will definitely quote this material frequently.” Chad Smith, Managing Partner, Constraints Management Group “The information presented in this book is badly needed by service providers who struggle to balance supply and demand with their resources.” Carol A. Ptak, CFPIM, CIRM “The techniques that John brings to light in this book are the bridge from the vision of Dr. Goldratt’s work to the way you manage resources, projects, processes, finance, marketing and sales. Aligned with: PMI-RMP Examination Content Outline - Practice Standard for Project Risk Management - PMBOK(R) Guide - Fifth Edition

The Dynamic Progress Method - J. Chris White - 2016-04-01
Recent computer-based tools for project planning and management focus on user-friendliness and interconnectivity. However, these programs function on the Critical Path Method, or CPM, which was created in the 1950s. These programs, which involve simplistic models and methods, ignore the fact that the underlying computations on which they function h

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Location-Based Management for Construction - Russell Kenley - 2006-09-27
With extensive case studies for illustration, this is a practitioner's guide to an entirely new production system for construction management using flowline scheduling. Covering the entire process of presenting a comprehensive management system – from design, through measurement, scheduling, and visualization and control – its emphasis is on reducing cost and increasing quality. Drawing its components together into a management system, the authors not only include theory and explanations of how and why it works, but also examine and present a suite of methods for successful project implementation. Perfect as a how-to guide for researchers and advanced construction students to discover the simple application of the new techniques, and invaluable for acquiring the practical tools for planning and controlling projects.

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The Theory of Constraints Handbook - James F Cox III - 2010-05-06

The definitive guide to the theory of constraints in this authoritative volume, the world's top Theory of Constraints (TOC) experts reveal how to implement the ground-breaking management and improvement methodology developed by Dr. Eliyahu M. Goldratt. Theory of Constraints Handbook offers an in-depth examination of this revolutionary concept of bringing about global organization performance improvement by focusing on a few leverage points of the system. Clear explanations supplemented by examples and case studies define how the theory works, why it works, what issues are resolved, and what benefits accrue, and demonstrate how TOC can be applied to different industries and situations. Theory of Constraints Handbook covers: Critical Chain Project Management for realizing major improvements in delivering projects on time, to spec, and within budget Drum-Buffer-Rope (DBR), Buffer Management, and distribution for maximizing throughput and minimizing flow time Performance measures for applying Throughput Accounting to improve organizational performance Strategy, marketing, and sales techniques designed to increase sales closing rates and Throughput Thinking Processes for simple and complex environments TOC methods to ensure that services actions support escalating demand for services while retaining financial viability Integrating the TOC Thinking Processes, the Strategy and Tactic Tree, TOC measurements, the Five Focusing Steps of TOC, and Six Sigma as a system of tools for sustainable improvement

Project Scheduling under Resource Constraints - Rainer Klosch - 2013-03-09

This book introduces the field of resource-constrained project scheduling. State-of-the-art reviews of optimal and heuristic procedures are provided for classical project scheduling models. Furthermore, new models which are relevant for practical problem settings, are introduced. The main emphasis is on newly developed competitive heuristic methods. Contents: Introduction - Description of the Problems - Classification of Schedules - Characterisation and Generation of Instances - The Single-Mode Project Scheduling Problem - The Multi-Mode Project Scheduling Problem - Project Scheduling with Given Deadline - Project Scheduling with Setup Times - Applications to Production Management - Concluding Remarks - List of Notations - List of Abbreviations.

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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 specific content on acquiring TOC methods to ensure that services actions support escalating demand for services while retaining financial viability Integrating the TOC Thinking Processes, the Strategy and Tactic Tree, TOC measurements, the Five Focusing Steps of TOC, and Six Sigma as a system of tools for sustainable improvement

Agile Management for Software Engineering - David J. Anderson - 2003-09-17

A breakthrough approach to managing agile software development, Agile methods might just be the alternative to outsourcing. However, agile development must scale in scope and discipline to be acceptable in the boardrooms of the Fortune 1000. In Agile Management for Software Engineering, David J. Anderson shows managers how to apply management science to gain the full business benefits of agility through application of the focused approach taught by Eli Goldratt in his Theory of Constraints. Whether you're using XP, Scrum, FDD, or another agile approach, you'll learn how to develop management discipline for all phases of the engineering process, implement realistic financial and production metrics, and focus on building software that delivers maximum customer value and outstanding business results. The book includes focused guidance for agile methods: practical tools and disciplines How to choose an agile method for your next project Breakthrough application of Critical Chain Project Management and constraint-driven control of the flow of value Defines the four new roles for the agile manager in software projects—and competitive IT organizations Whether you're a development manager, project manager, team leader, or senior IT executive, this book will help you achieve all four of your most urgent challenges: lower cost, faster delivery, improved quality, and focused alignment with the business.

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Optimization of Construction Duration and Schedule Robustness

Whether you’re using XP, Scrum, FDD, or another agile approach, you’ll learn how to develop management discipline for all phases of the engineering process, implement realistic financial and production metrics, and focus on building software that delivers maximum customer value and outstanding business results. Coverage includes: Making the business case for agile methods: practical tools and disciplines.

How to choose an agile method for your next project: Breakthrough application of Critical Path Project Management and constraint-driven control of the flow of value.

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Advanced Multi-Project Management

Gerald I. Kendall - 2012-11-02

Even in a well-managed multi-project environment, it is not unusual to see half of all projects completed either late, over budget or with cuts to original scope. However, the proven approach presented in Advanced Multi-Project Management has enabled large, medium, and even small organizations to consistently complete their projects faster, within original scope and budget, and increase the number of projects executed with the same resources by as much as 70%.

The list of companies that have used this methodology for stunning results includes some of the biggest, well-known names in the world—Boeing, Rio Tinto, ABB, and Chrysler. This guide details the six gears that must work in unison to drive speed and predictability within an organization.

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The Internet Encyclopedia

Hossein Bidgoli - 2004

The Internet Encyclopedia in a 3-volume reference work on the internet as a business tool, IT platform, and communications and commerce medium.

Management Dynamics

John A. Caspari - 2004-12-07

Here’s an in-depth, step-by-step analysis defining the critical ingredients essential to achieving ongoing improvement and a robust bottom line! Focusing on practical, dynamic solutions for weaknesses in the interdependent parts of an organization, Management Dynamics provides a comprehensive introduction to the Theory of Constraints (TOC) in profit-oriented organizations, complete with the crucial but oft-missing pieces of the constraint theory—a fully integrated and supporting accounting system, and the dynamic motivator to drive ongoing improvement in the bottom line. Order your copy today!

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Optimization of Construction Duration and Schedule Robustness

Based on Hybrid GreyWolf Optimizer with Sine Cosine Algorithm

Mengqi Zhao - 2012-05-13

Construction duration and schedule robustness are of great importance to ensure efficient construction. However, the current literature has neglected the importance of schedule robustness. Relatively little attention has been paid to schedule robustness via deviation of an activity’s starting time, which does not consider schedule robustness via structural deviation caused by the logical relationships among activities. This leads to a possibility of deviation between the planned schedule and the actual situation.

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Managing High-Technology Programs and Projects

Russell D. Archibald - 2003-03-13

A well-known author within the field: Russell Archibald is widely known in the project management field. He helped to found the Project Management Institute, and he is a former principal with Integrated Project Systems, a consulting firm that specializes in process and system implementation and training in project management for high-tech corporations and agencies.

The definitive book on managing high-tech initiatives: This book fulfills a long-standing need for a comprehensive, practical and unified description of the business of managing complex programs and projects. It provides detailed coverage of all aspects of complex project management, with emphasis on those involving advanced technology.

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The Wisdom of Teams

Jon R. Katzenbach - 2015-09-22

The definitive classic on high-performance teams. The Wisdom of Teams is the definitive work on how to create high-performance teams in any organization. Having sold nearly a half million copies and been translated into more than fifteen languages, the authors’ clarion call that teams should be the basic unit of organization for most businesses has permanently shaped the way companies reach the highest levels of performance. Using engaging case studies and testimonials from both successful and failed teams—ranging from Fortune 500 companies to the U.S. Army to high school sports—the authors explain the dynamics of teams both in great detail and with a broad view. Their conclusions and prescriptions span the familiar to the counterintuitive: • Commitment to performance goals and common purpose is more important to team success than team building. • Opportunities for teams exist in all parts of the organization. • Real teams are the most successful spearheads of change at all levels. • Working in teams naturally integrates performance and learning. • Team “endings” can be as important to manage as team “ beginnings.” Wisdom lies in recognizing a team’s unique potential to deliver results and in understanding its many benefits—development of individual members, team accomplishments, and stronger companywide performance. Katzenbach and Smith’s comprehensive classic is the essential guide to unlocking the potential of teams in your organization.

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The definitive classic on high-performance teams. The Wisdom of Teams is the definitive work on how to create high-performance teams in any organization. Having sold nearly a half million copies and been translated into more than fifteen languages, the authors’ clarion call that teams should be the basic unit of organization for most businesses has permanently shaped the way companies reach the highest levels of performance. Using engaging case studies and testimonials from both successful and failed teams—ranging from Fortune 500 companies to the U.S. Army to high school sports—the authors explain the dynamics of teams both in great detail and with a broad view. Their conclusions and prescriptions span the familiar to the counterintuitive: • Commitment to performance goals and common purpose is more important to team success than team building. • Opportunities for teams exist in all parts of the organization. • Real teams are the most successful spearheads of change at all levels. • Working in teams naturally integrates performance and learning. • Team “endings” can be as important to manage as team “ beginnings.” Wisdom lies in recognizing a team’s unique potential to deliver results and in understanding its many benefits—development of individual members, team accomplishments, and stronger companywide performance. Katzenbach and Smith’s comprehensive classic is the essential guide to unlocking the potential of teams in your organization.
Project Management Analytics - Harjit Singh - 2015-11-12

To manage projects, you must not only control schedules and costs; you must also manage growing operational uncertainty. Today's powerful analytics tools and methods can help you do all of this far more successfully. In Project Management Analytics, Harjit Singh shows how to bring greater evidence-based clarity and rationality to all your key decisions throughout the full project lifecycle. Singh identifies the components and characteristics of a good project decision and shows how to improve decisions by using predictive, prescriptive, statistical, and other methods. You'll learn how to mitigate risks by identifying meaningful historical patterns and trends; optimize allocation and use of scarce resources within project constraints; automate data-driven decision-making processes based on huge data sets; and effectively handle multiple interrelated decision criteria. Singh also helps you integrate analytics into the project management methods you already use, combining today's best analytical techniques with proven approaches such as PMI PMBOK® and Lean Six Sigma. Project managers can no longer rely on vague impressions or seat-of-the-pants intuition. Fortunately, you don’t have to. With Project Management Analytics, you can use facts, evidence, and knowledge—and get far better results. Achieve efficient, reliable, consistent, and fact-based project decision-making Systematically bring data and objective analysis to key project decisions Avoid “garbage in, garbage out.” Properly collect, store, analyze, and interpret your project-related data Optimize multi-criteria decisions in large group environments Use the Analytic Hierarchic Process (AHP) to improve complex real-world decisions Streamline projects the way you streamline other business processes Leverage data-driven Lean Six Sigma to manage projects more effectively

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The Project Management Question and Answer Book - Michael W. Newell - 2004

What is a project charter? How about a work breakdown structure? Do you know the basic steps behind risk quantification? And why is it important to be acquainted with Goldratt's critical chain theory? The Project Management Question and Answer Book is a one-stop reference that both beginning and experienced project managers will use in countless on-the-job situations. Providing the answers to critical questions, from the simplest to the most advanced, the book is arranged to get you the information you need the moment you need it. You’ll find helpful explanations of crucial project management issues, including: * Why PM is useful to you and your organization * How to interact with project stakeholders to maximize productivity * How to establish realistic cost, schedule, and scope baselines * What management techniques can be used to motivate teams * What methods you can use for evaluating project team performance Packed with case studies and examples, The Project Management Question and Answer Book is an indispensable guide covering everything from estimates, quality control, and communications, to time-, risk-, and human resource management. It is a practical, constantly usable resource for understanding fundamental project management issues and implementing workable solutions.

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Zohar, the Book of Enlightenment - Daniel Chanan Matt - 1983

This is the first translation with commentary of selections from The Zohar, the major text of the Kaballah, the Jewish mystical tradition. This work was written in 13th-century Spain by Moses de Leon, a Spanish scholar.

Robustness Development and Reliability Growth - John P. King - 2010-03-25

This book integrates key tools and processes into a comprehensive program for developing more robust and reliable technology-based products. Drawing on their extensive product development experience, the authors present a complete process for ensuring product performance throughout the entire lifecycle, from understanding customers' needs through manufacturing and post-launch support. The authors begin by presenting broad insights and high-level strategies for improving product quality. Next, they demonstrate how to implement robustness and reliability strategies that complement existing governance and decision processes. A section on tools and methods shows how to institutionalize best practices and apply them consistently. Finally, they tie strategies, decisions, and methods together through a case study project. Product developers will learn how to understand critical drivers of value in technology products, including reliability and durability. Implement a process model and roadmap for improving reliability and robustness. Increase robustness early in development, leading to shorter cycle times in later phases. Improve the stability of production performance under stress conditions. Assess both organizational and process capabilities for delivering robust and reliable products. Understand and manage customer-driven requirements. Use tools including descriptive and inferential statistics and DOE-based empirical models. Managers will understand expectations for Design concepts supported by rigorous analyses of alternatives Products and processes delivering higher value to customers Products with higher reliability and longer useful lives. Product processes with lower costs and higher capabilities. Development projects having shorter, more predictable cycle times. Readers are introduced to many thought leaders whose writings can be sources of further learning. This book is a valuable resource for anyone responsible for delivering reliable, profitable technology products, including general managers, program managers, engineers, scientists, and reliability and quality professionals.

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section includes new information on how to: Close the strategy-implementation gap Tap the power of digital transformation Navigate M&A environments Revise your methods for nonprofit settings Keep pace with your evolving role And more Packed with models, case studies, and in-depth solutions, this trusted guide helps you master the discipline, overcome obstacles, and fast track your projects and career.


Production and manufacturing management since the 1980s has absorbed in rapid succession several new production management concepts: manufacturing strategy, focused factory, just-in-time manufacturing, concurrent engineering, total quality management, supply chain management, flexible manufacturing systems, lean production, mass customization, and more. With the increasing globalization of manufacturing, the field will continue to expand. This encyclopedia's audience includes anyone concerned with manufacturing techniques, methods, and manufacturing decisions.


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The One-Page Project Manager for Execution - Clark A. Campbell - 2010-01-15

Drive Strategy With Simplicity—On A Single Sheet Of Paper! The One-Page Project Manager set a new standard as an understandable and easy-to-apply organizational tool, allowing managers to summarize complex projects on a single information-rich page. This book, third in the OPPM series, describes how to combine the OPPM with the Toyota A3 report to create an enhanced, integrated management tool. With a refreshingly clear style, the authors walk users through implementing the OPPM/A3 using a variety of real-world case studies, as well as their own experience at O.C. Tanner Company. Rich with tools, templates, and teaching, the emphasis throughout remains on maintaining simplicity across the organization—communicating the right information to the right people at the right time to get the right things done. Praise for The One-Page Project Manager "Executives want the answers to two questions: Where are we today? Where will we end up? Do you really believe this cannot be accomplished on a single sheet of paper? The One-Page Project Manager series of books is encouraging you to do just that. Making this part of your Project Management methodology will simplify and improve your project communication, especially for busy executives." —Harold D. Kerzner, PhD, Senior Executive Director, International Institute for Learning, Inc. "The One-Page Project Manager fills a void and bridges a communication gap that has long existed between company executives and project or program managers. OPPM successfully links corporate strategy to those in the trenches managing projects." —Dr. Denis R. Petersen, PMP®, President and CEO, Milestone Management Consultants, LLC "Clark Campbell and Mike Collins present how OPPM works to drive strategy deployment. With OPPM in our lean tool kit, we have tapped into the creativity of our people to pump up productivity, cut cycle times, reduce inventories, and sustain world-class quality." —Harold Simons, Executive Vice President, Supply Chain, O.C. Tanner Company, Member of the Shingo Prize Board of Governors (PMP and Project Management Professional are registered marks of the Project Management Institute, Inc.)

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faces a new non-trivial idea, along with a detailed explanation of how it improve your project communication, especially for busy executives."

—Harold D. Kerzner, Director, Kerzner Executive Institute, International Institute for Learning, Inc. "Clark Campbell fills a void and bridges a communication gap that has long existed between knowledgeable executives and project or program managers. OPPM successfully links corporate strategy to those in the trenches managing projects." —Dr. Denis R. PETERSEN, PMP®, President and CEO, Milestone Management Consultants, LLC "Clark Campbell and Mike Collins present OPPM to reenergize what OPPM works to do. Just like OPPM in our lean tool kit, we have tapped into the creativity of our people to come up with the best available information from which to form a reasonable range of net profit, when the considered decision is added on top of all the other activities undertaken by the organization. The process is explained and demonstrated using a variety of cases where the organization who want to make their organizations more and more antifragile." Andrea Coller, School of Management, Tel Aviv University, Tel Aviv, Israel "Throughput Economics is a must read for entrepreneurs and managers who need to make their organizations more and more antifragile." Andrea Zaitoni, CEO of Antifragility, Italy "Management accounting is a dry topic. Throughput Economics is not—managers can learn a lot they can apply to their company from it." Rudolf Burkhart, Business Development Director, Vistem GmbH, Germany Throughput Economics challenges the current thinking of how to evaluate cost, risks and rewards of any deal or any new market opportunity being considered, especially the practice of calculating cost-per-unit. Instead, this book offers a process that directly answers the critical question: If we accept the proposed decision, will the best job aids and specific guidance about what teams and team members need to do at every stage. Using this book’s integrated, systems approach, marketers, software professionals, and hardware developers can converge all their efforts on what really matters: addressing the customer’s true needs. Learn how to:

understanding of customer needs Define measurable critical parameters that reflect customer requirements Thoroughly assess business case risk and opportunity in the context of product roadmaps and portfolios Prioritize development decisions and scheduling in the face of resource constraints, Flow critical parameters down to quantifiable, verifiable requirements for every sub-process, subsystem, and component Use predictive engineering and advanced optimization to develop products that robustly handle variations in manufacturing and usage Verify system capabilities and reliability based on pilots or early production samples Master new statistical techniques for ensuring that supply chains deliver on time, with minimal inventory Choose the right DFSS tools, using the authors' step-by-step flowchart If you're an engineer involved in developing any new technology solution, this book will help you reflect the real Voice of the Customer, achieve better results faster, and eliminate fingerprinting. About the Web Site The accompanying Web site, sigmaexperts.com/dfss, provides an interactive DFSS flowchart, templates, exercises, examples, and tools.

Applying Design for Six Sigma to Software and Hardware Systems

Eric Maass - 2009-08-19

The Practical, Example-Rich Guide to Building Better Systems, Software, and Hardware with DFSS Design for Six Sigma (DFSS) offers engineers powerful opportunities to develop more successful systems, software, and hardware, and processes. In Applying Design for Six Sigma to Software and Hardware Systems , two leading experts offer a realistic, step-by-step process for succeeding with DFSS. Their clear, start-to-finish roadmap is designed for successfully developing complex high-technology products and systems that require both software and hardware development. Drawing on their unsurpassed experience leading Six Sigma at Motorola, the authors cover the entire project lifecycle, from business case through scheduling, customer-driven requirements gathering through execution. They provide real-world examples for applying their techniques to software alone, hardware alone, and systems composed of both. Product developers will find proven job aids and specific guidance about what teams and team members need to do at every stage. Using this book’s integrated, systems approach, marketers, software professionals, and hardware developers can converge all their efforts on what really matters: addressing the customer’s true needs. Learn how to:

understanding of customer needs Define measurable critical parameters that reflect customer requirements Thoroughly assess business case risk and opportunity in the context of product roadmaps and portfolios Prioritize development decisions and scheduling in the face of resource constraints, Flow critical parameters down to quantifiable, verifiable requirements for every sub-process, subsystem, and component Use predictive engineering and advanced optimization to develop products that robustly handle variations in manufacturing and usage Verify system capabilities and reliability based on pilots or early production samples Master new statistical techniques for ensuring that supply chains deliver on time, with minimal inventory Choose the right DFSS tools, using the authors' step-by-step flowchart If you're an engineer involved in developing any new technology solution, this book will help you reflect the real Voice of the Customer, achieve better results faster, and eliminate fingerprinting. About the Web Site The accompanying Web site, sigmaexperts.com/dfss, provides an interactive DFSS flowchart, templates, exercises, examples, and tools.
critical-chain-versus-critical-path-in-project-management

This new book, rather than it is an Web site, sigmaexperts.com/dffs, provides an interactive DFSS flowchart, templates, exercises, examples, and tools.

Information Technology, Project Management & Organizational Efficiency - Firend Al. R. - This book starts with discussion on the nature of Information Technology and how it relates to modern organizational function. Then a discussion on process design and methodology in project management, to highlight the increasing importance of project-based jobs in post-COVID-19 world. The discussion on the role of information technology is all about Organizational Efficiency. In quest of the organization will remain to increase efficiency and effectiveness, which is manifested in all actions taken (strategies) of any given public or private entity. Therefore, the intertwined functions of information technology, the field of project management and organizational efficiency are inseparable. Number of cases are presented in this book to provide real examples, illustrating what companies do and how they must continuously search for approaches that increases productivity efficiency and effectiveness.

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Earned Schedule - Walter H. Lipke - 2009-12
This book is intended for those who use Earned Value Management (EVM), including project managers, engineers and performance analysts. Earned Schedule (ES) is a significant enhancement to EVM, extending its cost-based features to the management and control of schedule performance. By using ES and EVM together, project management of cost and schedule can now be treated in a truly integrated sense. The book builds from the fundamentals of EVM to derive the concept of ES. The performance measurement baseline and earned value from EVM are utilized to extract time-based performance measures, indicators, and predictors. From this foundation, complexity is incrementally added with descriptions and examples for performance analysis, prediction and project control. Specific features of ES useful to project management are included and illustrated for the following: forecasting of completion date, analysis of critical path, drill-down identification of process constraints, impediments, and areas of concern for rework.

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Neural Darwinism - Gerald Edelman - 1987-12
This influential book presents a new view of the function of the brain and nervous system.

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This influential book presents a new view of the function of the brain and nervous system.

Earned Value Project Management - Quentin W. Fleming - 2000
Earned value is a project management technique that is emerging as a valuable tool in the management of all projects, including and, in particular, software projects. In its most simple form, earned value equates to...
this new edition builds on that solid foundation. The structure of this update maps closely to the PMBOK® Guide, Fifth Edition, and is designed to assist anyone studying for the PMP® and other certification exams. Helpful sections cover: • Networking and social media tips for PMs, including the best professional organizations, virtual groups, and podcast resources • The formulas PMs need to know, plus a template to help certification candidates prepare and self-test for their exams • Quick study sheet for the processes covered on the PMP® exam • Key changes in PMBOK® Guide, Fifth Edition, for readers familiar with earlier versions who want “the skinny” on the new version. PMs at every level will find real gold in the information nuggets provided in this new edition. Those new to project management will find the comprehensive coverage and the depth of the answers especially valuable, and will like the easy-to-read style and Q&A format. For experienced managers looking for new tools and skills to help them pass their PMP® or other certification exams, this is a must-have resource.