

Mcgraw Hill Software Project Management 5th Edition Bob Hughes Mike Cotterell Book

This book is a distillate of rich teaching and industry experience of the authors, and has been designed to help academicians and software professionals in varied roles--project managers, IS managers, business heads, entrepreneurs, etc. It will be equally useful to students of management and computer applications.

ON TIME, ON BUDGET . . . MANAGE EVERY PROJECT LIKE A PRO In today's environment of tight turnarounds and even tighter budgets, the effective project manager is often considered the most valuable member of a workplace team. Project Management, Second Edition, provides a step-by-step introduction to the tools and techniques necessary to successfully spearhead your next project. This new edition has everything that made the original so popular, plus it has been updated to reflect new principles and strategies in team building, planning, estimating costs, managing project interfaces, and more--providing you with the kind of business savvy today's project manager is expected to possess. Learn how to: Stay on top of all aspects of your project: process, interpersonal, and organizational Forge a spirit of cooperation--and achievement--among diverse team members Manage all the contingencies--foreseen and unforeseen--that come up in every project

Annotation "Integrated IT Project Management: A Model-Centric Approach utilizes practical applications of real-world policies, roles and responsibilities, templates, process flows, and checklists for each of these three component processes. It shows how such processes ensure optimum utilization of people, process, and technology resources during the management and delivery of IT projects. The book provides insight into the key components of the Rational Unified Process from IBM Rational Corporation and the Project Management Body of knowledge PMBOK from the Project Management Institute (PMI) illustrating how they work together and align based on industry processing standards."--BOOK JACKET.Title Summary field provided by Blackwell North America, Inc. All Rights Reserved

* The first book to truly apply the theory, processes, practices, and techniques of project management to strategic planning * New to this edition: risk management, earned value, project recovery, project maturity models, partnering, PM certification, and much more

This book provides the software engineering fundamentals, principles and skills needed to develop and maintain high quality software products. It covers requirements specification, design, implementation, testing and management of software projects. It is aligned with the SWEBOK, Software Engineering Undergraduate Curriculum Guidelines and ACM Joint Task Force Curricula on Computing.

A comprehensive reference presenting the critical concepts and theories all project managers must master, The AMA Handbook of Project Management compiles essays and advice from the field's top professionals. Compatible with the most recent edition of the Project Management Body of Knowledge® and featuring new data on the Project Management Office, the completely revised third edition shows readers how to: • Establish project goals • Implement planning on both the strategic and operational levels • Manage the project life cycle and meet objectives • Budget the project • Handle the transition from project idea to project reality • Manage political and resource issues Packed with research-based information and advice from experienced practitioners—as well as new information on agile project management, Six Sigma projects, the use of social media, and the alignment of strategy and projects—this guide is a vital resource for everyone involved in project tasks.

?Construction Project Management provides a thorough understanding of construction project management techniques with the help of various concepts, practical insight, real-life examples and skills to execute large and small projects.

Broadly, this comprehensive book is organized in 5 parts: ? Introducing Construction Project Management ? Developing Project Construction Time Schedule ? Developing Project Resources Plans ? Planning and Budgeting Construction Costs ? Controlling Project Construction Plan Focusing on project planning, scheduling and controlling techniques, the 3rd Edition covers the practical application of the knowledge and skills required to plan and control construction project scope, time, resources, cost, risk and integration using project management technique.

Software Project ManagementTata McGraw-Hill EducationSoftware Project Management

On behalf of the PROFES Organizing Committee we are proud to present the proceedings of the 11 International Conference on Product-Focused Software Process Improvement (PROFES 2010), held in Limerick, Ireland. Since the first conference in 1999 the conference has established its place in the software engineering community as a respected conference that brings together participants from academia and industry. The roots of PROFES are in professional software process improvement motivated by product and service quality needs. The conference addresses both the solutions found in practice as well as relevant research results from academia. To ensure that PROFES retains its high quality and focus on the most relevant research issues, the conference has actively maintained close collaboration with industry and subsequently widened its scope to the research areas of collaborative and agile software development. The main themes of this year's conference were "Agile and Lean Processes" and "Engineering Service-Oriented Systems." These two main themes enabled us to cover the contemporary software development demands and trends in a comprehensive manner and to tackle the most important current challenges identified by the software industry and software research community—namely, the shift of focus from "products" to "services." The technical program featured invited talks, research papers, and experience reports on the most relevant topics related to processes for developing software-intensive services and products. In addition, a number of workshops and tutorials were hosted.

Until now, books available for information systems project management focused either on information technology or production and operations. Information Systems Project Management reflects new thinking about the need for balance between technology topics and production-operations issues needed to manage successful IS projects.

From its first appearance in 1995, this book has been consistently well received by tutors and students alike. Now with a revised and updated 3rd edition the authors have updated the original text to better reflect the latest developments in Software Project Management.

Updated concepts and tools to set up project plans, schedule work, monitor progress-and consistently achieve desired project results.In today's time-based and cost-conscious global business environment, tight project deadlines and stringent expectations are the norm. This classic book provides businesspeople with an excellent introduction to project management, supplying sound, basic information (along with updated tools and techniques) to understand and master the complexities and nuances of project management. Clear and down-to-earth, this

step-by-step guide explains how to effectively spearhead every stage of a project—from developing the goals and objectives to managing the project team—and make project management work in any company. This updated second edition includes: * New material on the Project Management Body of Knowledge (PMBOK) * Do's and don'ts of implementing scheduling software* Coverage of the PMP certification offered by the Project Management Institute* Updated information on developing problem statements and mission statements* Techniques for implementing today's project management technologies in any organization—in any industry.

Master the mathematics of project management! With McGraw-Hill's PMP® Certification Mathematics, you have what you need to ace the toughest area of the Project Management Professional (PMP) certification test—math and statistics. The book provides in-depth descriptions of every math concept covered on the exam, along with all relevant calculations and practical problem-solving strategies. Complete with sample questions and step-by-step solutions, McGraw-Hill's PMP® Certification Mathematics helps you build a solid foundation in the subject—whether you're planning to take the test or a practicing professional looking to refresh your skills. Target Your Studying —Focuses strictly on the critical math concepts and questions “Experience” the Test —CD-ROM provides on-screen practice in the actual test format Assess Your Performance —Explains what you got right and wrong . . . and why Avoid Mistakes —Describes the most common errors—and how to avoid them Stay Up to Date —Aligns with the latest PMBOK (Project Management Body of Knowledge) throughout

Centralize and Control Enterprise Project Management Plan, execute, and track projects across the entire lifecycle using SAP Project System (PS) and the in-depth information contained in this comprehensive volume. SAP Project System Handbook explains how to configure PS for optimal performance, design structures and networks, create project blueprints, generate cost estimates and materials demands, and use the latest SAP tools. You will find full details on scheduling work, automating and tracking billing and POs, triggering events, and integrating with most other SAP modules. An invaluable reference to PS transaction codes is also included. Configure and customize SAP Project System Build PS objects, networks, and Work Breakdown Structures Use customer and service projects to track sales and billing Understand Assembly Processing concepts Create integrated cost, settlement, and resource plans Develop financial, workforce, and materials management blueprints Perform resource-related billing using Dynamic Item Processor Profiles Simulate and automatically generate sales documents, POs, and quotations Manage corporate investments with IM structures and AUCs Construct timesaving Project, Network, and Milestone Templates Extend functionality with the Project Builder, Planning Board, and ProMan

A Proven, Integrated Healthcare Information Technology Management Solution Co-written by a certified Project Management Professional and an M.D., Project Management for Healthcare Information Technology presents an effective methodology that encompasses standards and best practices from project management, information technology management, and change management for a streamlined transition to digital medicine. Each management discipline is examined in detail and defined as a set of knowledge areas. The book then describes the core processes that take place within each knowledge area in the initiating, planning, executing, controlling, and closing stages of a project. Real-world examples from healthcare information technology project leaders identify how the integrated approach presented in this book leads to successful project implementations. Coverage Includes: Integrating project, information technology, and change management methodologies PMBOK Guide process groups--initiating, planning, executing, controlling, and closing Project management knowledge areas--integration, scope, time, cost, quality, human resource, communication, risk, and procurement management IT management knowledge areas--user requirements, infrastructure, conversion, software configuration, workflow, security, interface, testing, cutover, and support management Change management knowledge areas--realization, sponsorship, transformation, training, and optimization management

Taking a unique approach, this practical introduction gives readers the full flavor of software project management and detailed coverage of the entire development process, not just the lists of management tasks other books provide. This approach leads the reader through various stages of the development process in a pragmatic and readable way, with a diversity of topics explained. This book constitutes the refereed proceedings of the 4th IFIP WG 8.1 Working Conference on Method Engineering, ME 2011, held in Paris, France, in April 2011. The 13 revised full papers and 6 short papers presented together with the abstracts of two keynote talks were carefully reviewed and selected from 30 submissions. The papers are organized in topical sections on situated method engineering, method engineering foundations, customized methods, tools for method engineering, new trends to build methods, and method engineering services.

Not long ago project management was perceived as a highly technical endeavor with applications to highly specialized industries. Times have changed—and so have the collective perceptions about project management. Today project management skills are applied throughout a wide range of businesses and industries. Successful project managers are defined now not only by their skill in dealing with issues of planning, scheduling, and budgeting, but also by their ability to manage people. Clifford Gray and Erik Larson, both of Oregon State University, are aware of this evolution and have used the Third Edition of Project Management: The Managerial Process to address these shifts. This highly-qualified author team provides readers with a complete picture of project management. Technical issues are addressed thoroughly, but unlike similar books on this subject, Project Management: The Managerial Process presents them in context, demonstrating how project management techniques can be applied in a wide variety of businesses, while emphasizing the importance of accounting for the human element in the successful management of all types of projects. Case studies and "Snapshot from Practice" boxes are among the ways readers learn throughout this text. A pedagogically rich CD-ROM, and a second CD-ROM containing a trial version of Microsoft Project, are also available with all new copies of this text. Once again, the authors have succeeded in providing readers with a complete picture of project management: not only "what to do" and "how to do it," but also why it is done. Book jacket.

Schedule and coordinate projects seamlessly, start to finish! In today's ultracompetitive world of business, those in charge want results on time and on budget—and they're turning to project managers to deliver. Skilled project managers are in high demand, and the profession is growing at an unprecedented rate. The McGraw-Hill 36-Hour Course: Project Management, Second Edition, combines expert insight, advice based on realworld experience, and the latest developments into a single, concise package. In the span of 36 hours, you'll learn how to: Plan, launch, manage, and close projects Build the best team for each project Shape and drive a project using effective leadership Manage quality, costs, time, and risk Deploy the latest project management technologies Complete with chapter-ending self-tests and a comprehensive online final exam, The McGraw-Hill 36-Hour Course: Project Management, Second Edition, provides the guidance you need to manage any project under any conditions.

Software project management is a crucial element in successful software and IT development, and requires students to develop an understanding of technical methodology and an appreciation of the many human factors that can play a part in software projects. The new fifth edition of Software Project Management has been fully revised and updated to help students to grasp these contrasting skills, and learn about new developments in the discipline. It provides both undergraduate and postgraduate students

with a comprehensive introduction to software project management and has enjoyed a loyal following of users since the first edition published.

Why do projects fail? The rate of project failure remains high despite the use of project management methodologies, bodies of knowledge and new technologies. Project Management explores the risk and complexity inherent in project management and the potential problems that can arise. Drawing on the author's real life experiences, the book suggests actions and techniques that can be taken to help detect, prevent and resolve problems before they can have a major impact on a project. Focusing on both PMBoK and PRINCE2 methodologies and packed full of real life examples and revision questions, Project Management is an ideal text for undergraduate, postgraduate and MBA students taking a module in project management. It will also be an invaluable resource for practicing project managers.

Managing a software development project is a complex process. There are lots of deliverables to produce, standards and procedures to observe, plans and budgets to meet, and different people to manage. Project management doesn't just start and end with designing and building the system. Once you've specified, designed and built (or bought) the system it still needs to be properly tested, documented and settled into the live environment. This can seem like a maze to the inexperienced project manager, or even to the experienced project manager unused to a particular environment. A Hacker's Guide to Project Management acts as a guide through this maze. It's aimed specifically at those managing a project or leading a team for the first time, but it will also help more experienced managers who are either new to software development, or dealing with a new part of the software life-cycle. This book: describes the process of software development, how projects can fail and how to avoid those failures outlines the key skills of a good project manager, and provides practical advice on how to gain and deploy those skills takes the reader step-by-step through the main stages of the project, explaining what must be done, and what must be avoided at each stage suggests what to do if things start to go wrong! The book will also be useful to designers and architects, describing important design techniques, and discussing the important discipline of Software Architecture. This new edition: has been fully revised and updated to reflect current best practices in software development includes a range of different life-cycle models and new design techniques now uses the Unified Modelling Language throughout

This unique volume explores cutting-edge management approaches to developing complex software that is efficient, scalable, sustainable, and suitable for distributed environments. Practical insights are offered by an international selection of pre-eminent authorities, including case studies, best practices, and balanced corporate analyses. Emphasis is placed on the use of the latest software technologies and frameworks for life-cycle methods, including the design, implementation and testing stages of software development. Topics and features: • Reviews approaches for reusability, cost and time estimation, and for functional size measurement of distributed software applications • Discusses the core characteristics of a large-scale defense system, and the design of software project management (SPM) as a service • Introduces the 3PR framework, research on crowdsourcing software development, and an innovative approach to modeling large-scale multi-agent software systems • Examines a system architecture for ambient assisted living, and an approach to cloud migration and management assessment • Describes a software error proneness mechanism, a novel Scrum process for use in the defense domain, and an ontology annotation for SPM in distributed environments • Investigates the benefits of agile project management for higher education institutions, and SPM that combines software and data engineering This important text/reference is essential reading for project managers and software engineers involved in developing software for distributed computing environments. Students and researchers interested in SPM technologies and frameworks will also find the work to be an invaluable resource. Prof. Zaigham Mahmood is a Senior Technology Consultant at Debasis Education UK and an Associate Lecturer (Research) at the University of Derby, UK. He also holds positions as Foreign Professor at NUST and IIU in Islamabad, Pakistan, and Professor Extraordinaire at the North West University Potchefstroom, South Africa.

Software Project Management: Measures for Improving Performance focuses on more than the mechanics of project execution. By showing the reader how to identify and solve real world problems that put schedule, cost, and quality at risk, this guide gets to the heart of improving project control and performance. • Identify measurement needs and goals • Determine what measures to use to maximize the value of data • Interpret data and report the results • Diagnose quality and productivity issues • Use metrics data to solve real problems This is a must-read for project managers and engineering managers working in organizations where deadlines are tight, the workload is daunting, and daily crises are the rule rather than the exception. The text provides simple run rate data through progressively advanced measures, as well as: • Examples that show you how to combine measures to solve complex problems • Exercises that guide you through best practices for metric program development and implementation From beginning to end, Software Project Management: Measures for Improving Performance guides you to improved project performance — long before you turn the last page!

Overview and Goals The agile approach for software development has been applied more and more extensively since the mid nineties of the 20th century. Though there are only about ten years of accumulated experience using the agile approach, it is currently conceived as one of the mainstream approaches for software development. This book presents a complete software engineering course from the agile angle. Our intention is to present the agile approach in a holistic and comprehensive learning environment that fits both industry and academia and inspires the spirit of agile software development. Agile software engineering is reviewed in this book through the following three perspectives: I The Human perspective, which includes cognitive and social aspects, and refers to learning and interpersonal processes between teammates, customers, and management. I The Organizational perspective, which includes managerial and cultural aspects, and refers to software project management and control. I The Technological perspective, which includes practical and technical aspects, and refers to design, testing, and coding, as well as to integration, delivery, and maintenance of software products. Specifically, we explain and analyze how the explicit attention that agile software development gives these perspectives and their interconnections, helps viii Preface it cope with the challenges of software projects. This multifaceted perspective on software development processes is reflected in this book, among other ways, by the chapter titles, which specify dimensions of software development projects such as quality, time, abstraction, and management, rather than specific project stages, phases, or practices.

This text provides information on core software project management practices. It includes extensive examples and a running, start-to-finish case study. It is aimed at all project managers and software professionals who may manage projects.

Tens of thousands of readers rely on James Lewis's classic Project Planning, Scheduling & Control for hands-on help in bringing projects in on time and on budget. Now, this higher-level guide takes project managers beyond basic skills. Using the flexible and

down-to-earth approach for which Lewis is famed, it covers advanced topics such as identifying customer requirements using QFD (quality function deployment); allocating resources for improved scheduling applying systems thinking; and using decision-support tools in project management.

Although software development is one of the most complex activities carried out by man, sound development processes and proper project management can help ensure your software projects are delivered on time and under budget. Providing the know-how to manage software projects effectively, Introduction to Software Project Management supplies an accessible introduction to software project management. The book begins with an overview of the fundamental techniques of project management and the technical aspects of software development. This section supplies the understanding of the techniques required to mitigate uncertainty in projects and better control the complexity of software development projects. The second part illustrates the technical activities of software development in a coherent process—describing how to customize this process to fit a wide range of software development scenarios. Examines project management frameworks and software development standards, including ESA and NASA guidelines, PRINCE2®, and PMBOK® Addresses open source development practices and tools so readers can adopt best practices and get started with tools that are available for free Explains how to tailor the development process to different kinds of products and formalities, including the development of web applications Includes access to additional material for both practitioners and teachers at www.spmbook.com Supplying an analysis of existing development and management frameworks, the book describes how to set up an open-source tool infrastructure to manage projects. Since practitioners must be able to mix traditional and agile techniques effectively, the book covers both and explains how to use traditional techniques for planning and developing software components alongside agile methodologies. It does so in a manner that will help you to foster freedom and creativity in assembling the processes that will best serve your needs.

This Three-Volume-Set constitutes the refereed proceedings of the Second International Conference on Software Engineering and Computer Systems, ICSECS 2011, held in Kuantan, Malaysia, in June 2011. The 190 revised full papers presented together with invited papers in the three volumes were carefully reviewed and selected from numerous submissions. The papers are organized in topical sections on software engineering; network; bioinformatics and e-health; biometrics technologies; Web engineering; neural network; parallel and distributed e-learning; ontology; image processing; information and data management; engineering; software security; graphics and multimedia; databases; algorithms; signal processing; software design/testing; e- technology; ad hoc networks; social networks; software process modeling; miscellaneous topics in software engineering and computer systems.

The practical e-guide that gives you the skills to succeed as a project manager. Discover how to improve your project management skills by defining a project brief, identifying stakeholders, and building a strong team. You'll also learn useful tips for initiating projects, setting deadlines, and managing your budgets. Essential Managers gives you a practical "how-to" approach with step-by-step instructions, tips, checklists, and "ask yourself" features showing you how to focus your energy, manage change, and make an impact. DK's Essential Managers series contains the knowledge you need to be a more effective manager and hone your management style. Whether you're new to project management or simply looking to sharpen your existing skills, this is the e-guide for you.

To build reliable, industry-applicable software products, large-scale software project groups must continuously improve software engineering processes to increase product quality, facilitate cost reductions, and adhere to tight schedules. Emphasizing the critical components of successful large-scale software projects, Software Project Management: A The book describes how to manage and successfully deliver large, complex, and expensive systems that can be composed of millions of line of software code, being developed by numerous groups throughout the globe, that interface with many hardware items being developed by geographically dispersed companies, where the system also includes people, policies, constraints, regulations, and a myriad of other factors. It focuses on how to seamlessly integrate systems, satisfy the customer's requirements, and deliver within the budget and on time. The guide is essentially a "shopping list" of all the activities that could be conducted with tailoring guidelines to meet the needs of each project. Project management is today's hottest topic, yet fully integrative, timely, and broad-based coverage is difficult to find. The McGraw-Hill 36-Hour Project Management Course synthesizes and organizes current PM knowledge and material from the Project Management Institute and other leading bodies of knowledge into one comprehensive and contemporary resource. Real-life case studies and examples, placed in the context of state-of-the-art applications, make this course book valuable to a wide range of professionals in virtually any industry.

Drawing on best practices identified at the Software Quality Institute and embodied in bodies of knowledge from the Project Management Institute, the American Society of Quality, IEEE, and the Software Engineering Institute, Quality Software Project Management teaches 34 critical skills that allow any manager to minimize costs, risks, and time-to-market. Written by leading practitioners Robert T. Futrell, Donald F. Shafer, and Linda I. Shafer, it addresses the entire project lifecycle, covering process, project, and people. It contains extensive practical resources-including downloadable checklists, templates, and forms.

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