Software Project Management 5th Edition

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Project Management Kenneth L. Petrocelly 2020-11-26 Managers are often assigned projects they are ill-prepared to undertake, due to a lack of training and experience in project management. This book addresses the shortcomings and weaknesses of the "managerial" aspect of project management. The narrative will un-complicate the project management process and provide direction to managers towards furthering their understanding and involvement in the successful completion of their project. The book will reference examples of actual project work the author has performed to explain the point at hand and the book will be interspersed with appropriate illustrations to support the text.

Implementing Effective IT Governance and IT Management Gad J. Selig 2015-02-01 This book is a revised edition of the best selling title Implementing IT Governance (ISBN 978 90 8753 119 5).For trainers free additional material of this book is available. This can be found under the "Training Material" tab. Log in with your trainer account to access the material.In all enterprises around the world, the issues, opportunities and challenges of aligning IT more closely with the organization and effectively governing an organization s IT investments, resources, major initiatives and superior uninterrupted service is becoming a major concern of the Board and executive management. An integrated and comprehensive approach to the alignment, planning, execution and governance of IT and its resources has become critical to more effectively align, integrate, invest, measure, deploy, service and sustain the strategic and tactical direction and value proposition of IT in support of organizations.Much has been written and documented about the individual components of IT Governance such as strategic planning, demand management, program and project management, IT service management, strategic sourcing and outsourcing, performance management, metrics, compliance and others. Much less has been written about a comprehensive and integrated approach for IT/Business Alignment, Planning, Execution and Governance. This title fills that need in the marketplace and offers readers structured and practical solutions using the best of the best practices available today. The book is divided into two parts, which cover the three critical pillars necessary to develop, execute and sustain a robust and effective IT governance environment:- Leadership, people, organization and strategy,- IT governance, its major component processes and enabling technologies.Each of the chapters also covers one or more of the following action oriented topics: - the why and what of IT: strategic planning, portfolio investment management, decision authority, etc.; - the how of IT: Program/Project Management, IT Service Management (including ITIL); Strategic Sourcing and outsourcing; performance, risk and contingency management (including COBIT, the Balanced Scorecard etc.) and leadership, team management and professional competences.

On the Move to Meaningful Internet Systems 2005 R. Meersman 2005-10-21 This book constitutes the joint refereed proceedings of nine international workshops held as part of OTM 2005 in Agia Napa, Cyprus in October/November 2005.The 145 revised full papers presented were carefully reviewed and selected from a total of 268 submissions. Topics addressed are agents, Web services and ontologies merging (AWeSOMe 2005), context-aware mobile systems (CAMS 2005), grid computing and its application to data analysis (GADA 2005), inter-organizational systems and interoperability of enterprise software and applications (MIOS+INTEROP 2005), object-role modeling (ORM 2005), a PHD symposium (PhDS 2005), semantic-based geographical information systems (SeBGIS 2005), Web semantics (SWWS 2005), and ontologies, semantics and e-learning (WOSE 2005).

Software Project Effort Estimation Adam Trendowicz 2014-05-07 Software effort estimation is one of the oldest and most important problems in software project management, and thus today there are a large number of models, each with its own unique strengths and weaknesses in general, and even more importantly, in relation to the environment and context in which it is to be applied. Trendowicz and Jeffery present a comprehensive look at the principles of software effort estimation and support software practitioners in systematically selecting and applying the most suitable effort estimation approach. Their book not only presents what approach to take and how to apply and improve it, but also explains why certain approaches should be used in specific project situations. Moreover, it explains popular estimation methods, summarizes estimation best-practices, and provides guidelines for continuously improving estimation capability. Additionally, the book offers invaluable insights into project management in general, discussing issues including project trade-offs, risk assessment, and organizational learning. Overall, the authors deliver an essential reference work for software practitioners responsible for software effort estimation and planning in their daily work and who want to improve their estimation skills. At the same time, for lecturers and students the book can serve as the basis of a course in software processes, software estimation, or project management.

Encyclopedia of Information Science and Technology, Third Edition Khosrow-Pour, Mehdi 2014-07-31 "This 10-volume compilation of authoritative, research-based articles contributed by thousands of researchers and experts from all over the world emphasized modern issues and the presentation of potential opportunities, prospective solutions, and future directions in the field of information science and technology"--Provided by publisher.

Quality Software Project Management Robert T. Futrell 2002 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.

Software Project Management Bob Hughes 2009 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.

Software-Projektmanagement und -Qualitätssicherung Karol Frühauf 2002

Software Project Management 5e Bob Hughes 2009-05-16 Software Project Management 5e

Project Management for Information Systems James Cadle 2008 Cadle and Yeates' Project Management for Information Systems is suitable for undergraduate students studying Project Management within the IT environment. This comprehensive and practical book is an excellent starting point for any students of Project Management for Information Systems, whether they are from a computing or a business background, at undergraduate or masters level. The authors strike a good balance - covering both the mechanics of project management and the human factors involved and include plenty of case studies and exercises as well as good and bad examples from real life. This fifth edition has new material on: development life-cycles and approaches (including agile approaches) different types of IS projects and how to manage them implementing change through information systems updated coverage of leadership and management

Software War Stories Donald J. Reifer 2013-10-14 A comprehensive, practical book on software management that dispels real-world issues through relevant case studies Software managers inevitably will meet obstacles while trying to deliver quality products and provide value to customers, often with tight time restrictions. The result: Software War Stories. This book provides readers with practical advice on how to handle the many issues that can arise as a software project unfolds. It utilizes case studies that focus on what can be done to establish and meet reasonable expectations as they occur in government, industrial, and academic settings. The book also offers important discussions on both traditional and agile methods as well as lean development concepts. Software War Stories: Covers the basics of management as applied to situations ranging from agile projects to large IT projects with infrastructure problems Includes coverage of topics ranging from planning, estimating, and organizing to risk and opportunity management Uses twelve case studies to communicate lessons learned by the author in practice Offers end-of-chapter exercises, sample solutions, and a blog for providing updates and answers to readers' questions Software War Stories: Case Studies in Software Management mentors practitioners, software engineers, students and more, providing relevant situational examples encountered when managing software projects and organizations.

Software Extension to the PMBOK® Guide Fifth Edition Project Management Institute 2013-09-01 Designed to be used in tandem with the latest edition of the PMBOK® Guide, this comprehensive volume closely follows the PMBOK® Guide's approach to style, structure and naming, while providing readers a balanced view of methods, tools, and techniques for managing software projects across the life cycle continuum from highly predictive life cycles to highly adaptive life cycles. Software Extension To the PMBOK® Guide Fifth Edition provides readers with knowledge and practices that will not only improve their efficiency and effectiveness but that of their management teams and project members as well.

Project Management Bennet Lientz 2017-09-16 An ideal course text that helps students to identify, manage and solve problems that arise during the lifecycle of projects. This problem-based approach encourages students to develop analytical and problem-solving skills and to get a more complete understanding of the factors that contribute to project success.

Projektmanagement Harold Kerzner 2004

Executive's Guide to Project Management Robert K. Wysocki 2011-05-04 How-to guidance for defining and implementing a complex projectperformance environment Sharing his forty-five years of project management experience,best-selling author and industry guru Robert Wysocki presents astraightforward, enlightening, and pragmatic guide to help seniormanagers make the transition to an organization that profits andthrives on complexity. The first book to discuss practical projectmanagement mitigation strategies, Executive's Guide to ProjectManagement presents easy-to-implement infrastructures andprocesses that will ensure the continued success of yourorganization and maximize your investment of every project. Collects in one resource all the relevant information forunderstanding and creating an environment for improved complexproject performance A must-read for every member of your senior managementteam Shows you how to regain responsibility, take action, andskillfully handle complexity to mitigate risk and increase returnon project investments It's time for your senior management team to take back controlof your investments in projects and programs. Executive's Guideto Project Management shows you how to cultivate your part ofthe organization so that it can respond to a changing projectenvironment with the infrastructure to support the project andprogram investment decisions.

Pragmatisches IT-Projektmanagement Niklas Spitczok von Brisinski 2014-02-04 Jedes Softwareentwicklungsprojekt ist einmalig. Es bringt unterschiedlichste Charaktere für einen begrenzten Zeitraum mit dem Ziel zusammen, ein neues, herausragendes Produkt zu entwickeln. Dieses Buch zeigt ein praxiserprobtes Vorgehen, das Softwareprojekte zum gewünschten Erfolg bringen kann. Basierend auf dem PMBOK Guide des Project Management Institute stellt es eine einfache, effiziente Vorgehensweise für das Management von Softwareentwicklungsprojekten vor. Die 2. Auflage berücksichtigt die Änderungen, die sich durch den neuen PMBOK Guide 5 ergeben.

Elements of Software Project Management G. P. Sudhakar 2010

CIM Professional Diploma BPP Learning Media 2012 A core text book for the CIM Qualification.

eBook: Software Project Management, 5e HUGHES 2021-04-04 eBook: Software Project Management, 5e

The AMA Handbook of Project Management Paul C. Dinsmore 2018-11-13 The life blood to every organization is its projects, and the burden of success or failure hangs on the shoulders of the project manager. In every project, the buck stops with the PM, who must be more than a jack of all trades, but a master of it all. The AMA Handbook of Project Management is the must-have resource for any project management professional or student. Covering everything from individual projects to programs and strategic alignment, it addresses: • Project initiation and planning • Communication and interpersonal skills • Scheduling, budgeting and meeting business objectives • Managing political and resource issues • Implementing a PMO • Measuring value and competenciesRevised to reflect the latest changes to A Guide to the Project Management Body of Knowledge (PMBOK®) and the Project Management Professional Exam®, the fourth edition of this one-stop, essential resource has

also compiled essays and advice from the field's top professionals, featuring new chapters on stakeholder management, agile project management, program management, project governance, knowledge management, and more. Project management is one of the more complex disciplines today, no matter the industry. This must-have guide remains the indisputable top reference to the entire scope of critical concepts and theories all project managers must master.

Methods of IT Project Management Jeffrey L. Brewer 2018-09-15 Methods of IT Project Management (Third Edition) is built around the latest version of the Project Management Body of Knowledge (PMBOK) and covers best practices unique to the IT field. It is designed for use in graduate, advanced undergraduate, and professional IT project management courses to prepare students for success in the IT field, and to prepare them to pass the Project Management Professional (PMP) certification exam given by the Project Management Institute (PMI), the world's leading certification in the field of project management. Unlike other project management texts, Methods of IT Project Management follows the IT project life cycle, from overview and initiation to execution, control, and closing. An enterprise-scale IT project (macro-case study) runs through the entire text. Each section presents mini-cases based on the larger case and focuses on new concepts presented in each section. Readers gain practical knowledge of IT project management workflows, at scale, while building technical knowledge and skills required to pass the PMP. Mini-case studies encourage deep retention, prompt rich in-class discussion, and challenge more advanced students and professionals alike. Unique skills covered can be put directly into practice. An appendix presents practice study questions and advice on preparing for and passing the PMP exam. The revised third edition includes expanded coverage of agile system development methodologies, leadership and negotiation skills, and process maturity models.

Projektmanagement für Dummies Stanley E. Portny 2011-10-31 Vor einem liegt nicht nur ein bislang unüberschaubares Projekt, sondern schon eine Ahnung hinsichtlich all der Probleme, die mit ihm einhergehen könnten: wer kennt das nicht? In "Projektmanagement für Dummies" zeigt Stanley Portny, wie Projektmanagement richtig funktioniert, wenn man weiß, worauf zu achten ist. Er erklärt, wie man Projekte richtig plant, durchführt und kontrolliert, damit man die Ziele nicht aus den Augen verliert und den Überblick behält. Dazu gehört natürlich auch zu wissen, was ein gutes Projektteam ausmacht und wie man die Leute bei der Stange hält. Dabei geht Portny auf die neuesten Projektmanagement-Techniken ein und stellt verschiedene Computerprogramme vor, die das Projektmanagement unterstützen und wesentlich erleichtern. Mit diesem Buch wird jeder zu einem routinierten Projektmanager, der seine Projekte mit Bravour meistert.

Business Information Systems Paul Bocij 2008 A comprehensive introduction to the technology, development and management of business information systems. The book assumes no prior knowledge of IS or IT, so that new concepts and terms are defined as clearly as possible, with explanations in the text, and definitions at the margin. In this fast-moving area, the book covers both the crucial underpinnings of the subject as well as the most recent business and technology applications. It is written for students on any IS, BIS or MIS course from undergraduate to postgraduate and MBA level within a Business or Computer Science Department.

The Social Project Manager Peter Taylor 2016-02-17 The Social Project Manager describes a non-traditional way of organising projects, managing project performance and progress. The aim being to deliver, at the enterprise level, a common goal for the business; one that harnesses the performance advantages of a collaborative community. Social elements help mitigate the constraints associated with the control aspect of project management, which is essential for governance. Team collaboration, problem solving and engagement in projects will never come from technology alone but require careful management. Peter Taylor draws on research from projects and the worlds of social media and communication to paint a vivid and practical guide to the why and how of social project management. There is no simple template for you to follow; instead he provides an explanation of the benefits, the tools and the constraints so that readers can navigate through to an approach that is sensitive to the culture of their organization and the nature of the projects that they run. Alongside the author's ideas, the text features advice and case examples from many of the leading technology providers. The Social Project Manager is a very-readable and down-to-earth guide from one of the most highly-regarded practitioners and commentators on the world of project management.

Translation and Localization Project Management Keiran J. Dunne 2011-10-18 Over the past three decades, translation has evolved from a profession practiced largely by individuals to a cottage industry model and finally to a formally recognized industrial sector that is project-based, heavily outsourced and that encompasses a wide range of services in addition to translation. As projects have grown in size, scope and complexity, and as project teams have become increasingly distributed across geographies, time zones, languages and cultures, formalized project management has emerged as both a business requirement and a critical success factor for language service providers. In recognition of these developments, this volume examines the application of project management concepts, tools and techniques to translation and localization projects. The contributors are seasoned practitioners and scholars who offer insights into the central role of project management in the language industry today and discuss best-practice approaches to the adaptation of generic project management knowledge, skills, tools and techniques for translation and localization projects.

The Complete Idiot's Guide to Project Management, 5th Edition G. Michael Campbell PMP 2011-06-07 The step-by-step guide to becoming a successful project manager. By systematically managing goals and resources, any project, large or small, complicated or straightforward, can be achieved with great profitability. A certified project management professional shares the latest theories, procedures, and software tools available in this fully updated and revised guide including the newest directive from the Project Management Institute. An invaluable guide for any manager, it clearly explains the best way to approach any project, and also gives all the information necessary to those interested in passing the test to become a certified Project Management Professional. ? Includes the most current terms and concepts on the certification test, and the latest software tools from Microsoft, Hewlett-Packard, and Primavera. ? Advice from an expert with useful, real-life anecdotes from the field.

FUNDAMENTALS OF SOFTWARE ENGINEERING, FIFTH EDITION MALL, RAJIB 2018-09-01 This new edition of the book, is restructured to trace the advancements made and landmarks achieved in software engineering. The text not only incorporates latest and enhanced software engineering techniques and practices, but also shows how these techniques are applied into the practical software assignments. The chapters are incorporated with illustrative examples to add an analytical insight on the subject. The book is logically organised to cover expanded and revised treatment of all software process activities. KEY FEATURES • Large number of worked-out examples and practice problems • Chapter-end exercises and solutions to selected problems to check students' comprehension on the subject • Solutions manual available for instructors who are confirmed adopters of the text • PowerPoint slides available online at www.phindia.com/rajibmall to provide

integrated learning to the students NEW TO THE FIFTH EDITION • Several rewritten sections in almost every chapter to increase readability • New topics on latest developments, such as agile development using SCRUM, MC/DC testing, quality models, etc. • A large number of additional multiple choice questions and review questions in all the chapters help students to understand the important concepts TARGET AUDIENCE • BE/B.Tech (CS and IT) • BCA/MCA • M.Sc. (CS) • MBA

Implementing Effective It Governance and It Management Van Haren Publishing 2015-02 In all enterprises around the world, the issues, opportunities and challenges of aligning IT more closely with the organization and effectively governing an organizations IT investments, resources, major initiatives and superior uninterrupted service is becoming a major concern of the Board and executive management. An integrated and comprehensive approach to the alignment, planning, execution and governance of IT and its resources has become critical to more effectively align, integrate, invest, measure, deploy, service and sustain the strategic and tactical direction and value proposition of IT in support of organizations. Much has been written and documented about the individual components of IT Governance such as strategic planning, demand management, program and project management, IT service management, strategic sourcing and outsourcing, performance management, metrics, compliance and others. Much less has been written about a comprehensive and integrated approach

Project Management: Concepts, Methodologies, Tools, and Applications Management Association, Information Resources 2016-06-09 Organizations of all types are consistently working on new initiatives, product lines, or implementation of new workflows as a way to remain competitive in the modern business environment. No matter the type of project at hand, employing the best methods for effective execution and timely completion of the task at hand is essential to project success. Project Management: Concepts, Methodologies, Tools, and Applications presents the latest research and practical solutions for managing every stage of the project lifecycle. Emphasizing emerging concepts, real-world examples, and authoritative research on managing project workflows and measuring project success in both private and public sectors, this multi-volume reference work is a critical addition to academic, government, and corporate libraries. It is designed for use by project coordinators and managers, business executives, researchers, and graduate-level students interested in putting research-based solutions into practice for effective project management.

Software Project Management for Distributed Computing Zaigham Mahmood 2017-04-04 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 Debesis 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.

Management von Informatik-Projekten René Riedl 2019-07-08 Die erfolgreiche Planung und Realisierung von Digitalisierungsvorhaben und die damit einhergehende digitale Transformation sind untrennbar mit erfolgreichem Projektmanagement verbunden. Unabhängig davon, wie ausgeprägt die Reichweite der von digitalen Technologien ausgehenden Veränderungen ist (z.B. Reorganisation von Geschäftsprozessen bis hin zur Veränderung von Geschäftsmodellen), das Handeln im Projektmanagement wird den Ausgang eines Digitalisierungsvorhabens immer maßgeblich beeinflussen. Informatik-Projekte sind in der Praxis oft solche Projekte, deren Zweck die Herstellung neuer oder die wesentliche Veränderung bestehender Informations- und Kommunikationssysteme ist. Viele Informatik-Projekte sind nur teilweise erfolgreich oder werden abgebrochen. Das vorliegende Lehr- und Managementbuch, das in 49 Lerneinheiten gegliedert ist, soll einen Beitrag leisten, Wissen zum Management von Informatik-Projekten zu vermitteln. Die Anwendung dieses Wissens beim praktischen Handeln soll die Erfolgswahrscheinlichkeit von Informatik-Projekten erhöhen, damit in Zukunft möglichst viele Digitalisierungsvorhaben einen positiven Ausgang nehmen.

Jira 8 Essentials Patrick Li 2019-02-28 Explore the new and improved Jira 8 features such as agile board and advanced search for efficient project management Key FeaturesWork on agile projects in Jira from both the administrator and end user's perspectiveExplore the improved Scrum and Kanban board and backlogWork through exercises at the end of each chapter to reinforce your skillsBook Description Atlassian Jira enables effective bug tracking for your software and mobile applications and provides tools to track and manage tasks for your projects. Jira Essentials is a comprehensive guide, now updated to Jira 8 to include enhanced features such as updates to Scrum and Kanban UI, additional search capabilities, and changes to Jira Service Desk. The book starts by explaining how to plan and set up a new Jira 8 instance from scratch before getting you acquainted with key features such as emails, workflows, business processes, and much more. You'll then understand Jira's data hierarchy and how to design and work with projects. Since Jira is used for issue management, this book delves into the different issues that can arise in your projects. You'll explore fields, including custom fields, and learn to use them for more effective data collection. You'll create new screens from scratch and customize them to suit your requirements. The book also covers workflows and business processes, and guides you in setting up incoming and outgoing mail servers. Toward the end, you'll study Jira's security model and Jira Service Desk, which allows you to run Jira as a support portal. By the end of this Jira book, you will be able to implement Jira 8 in your projects with ease. What you will learnUnderstand Jira's data hierarchy and how to design and work with projects in JiraUse Jira for agile software projects, business process management, customer service support, and moreUnderstand issues and work with themDesign both system and custom fields to behave

differently under different contextsCreate and design your own screens and apply them to different project and issue typesGain an understanding of the workflow and its various componentsSet up both incoming and outgoing mail servers to work with e-mailsWho this book is for This book will be especially useful for project managers but it's also intended for other Jira users, including developers, and any other industry besides software development, who would like to leverage Jira's powerful task management and workflow features to better manage their business processes.

Foundations of Software Engineering Ashfaque Ahmed 2016-08-25 The best way to learn software engineering is by understanding its core and peripheral areas. Foundations of Software Engineering provides in-depth coverage of the areas of software engineering that are essential for becoming proficient in the field. The book devotes a complete chapter to each of the core areas. Several peripheral areas are also explained by assigning a separate chapter to each of them. Rather than using UML or other formal notations, the content in this book is explained in easy-to-understand language. Basic programming knowledge using an object-oriented language is helpful to understand the material in this book. The knowledge gained from this book can be readily used in other relevant courses or in real-world software development environments. This textbook educates students in software engineering principles. It covers almost all facets of software engineering, including requirement engineering, system specifications, system modeling, system architecture, system implementation, and system testing. Emphasizing practical issues, such as feasibility studies, this book explains how to add and develop software requirements to evolve software systems. This book was written after receiving feedback from several professors and software engineers. What resulted is a textbook on software engineering that not only covers the theory of software engineering but also presents real-world insights to aid students in proper implementation. Students learn key concepts through carefully explained and illustrated theories, as well as concrete examples and a complete case study using Java. Source code is also available on the book's website. The examples and case studies increase in complexity as the book progresses to help students build a practical understanding of the required theories and applications.

Software Extension to the PMBOK Guide, Fifth Edition Project Management Institute 2013 The importance of computer software to the modern business world is undeniable. Organizations across all industries and geographies are dependent on data processing and electronic communication, and on the software that drives these capabilities. The management of software development projects, just as the management of any other projects, is faced with the need for increased efficiencies, with results expected more quickly, at lower cost, and with higher quality.For decades, the project management approaches contained within A Guide to the Project Management Body of Knowledge (PMBOK® Guide) have formed the foundation for projects across the range of human endeavor. However, some software project managers reported experiencing challenges when seeking to translate the established approaches of the PMBOK® Guide with adaptive approaches such as agile that are more commonly used in software development. Now for the first time, the Software Extension to PMBOK® Guide Fifth Edition brings these two worlds together. This groundbreaking work was developed jointly by PMI with the IEEE Computer Society, the world's premier organization of computing professionals, and draws upon the wisdom of programmers, IT professionals and working project managers from around the globe. Designed to be used in tandem with the latest edition of the PMBOK® Guide, this comprehensive volume closely follows the PMBOK® Guide's approach to style, structure and naming, while providing readers a balanced view of methods, tools, and techniques for managing software projects across the life cycle continuum from highly predictive life cycles to highly adaptive life cycles.Software Extension To the PMBOK® Guide Fifth Edition provides readers with knowledge and practices that will not only improve their efficiency and effectiveness but that of their management teams and project members as well.

Contemporary Challenges for Agile Project Management Naidoo, Vannie 2021-11-05 Given the pace at which projects must be completed in an era of global hypercompetition and turbulence, examining the project management profession within the contexts of international trade and globalization is essential to encourage the highest level of efficiency and agility. Agile project management provides a flexible approach to managing projects as it allows a team to break large projects down into more manageable tasks that can be tackled in short iterations or sprints, thus enabling a team to adapt to change quickly and deliver work fast. Contemporary Challenges for Agile Project Management highlights the modern struggles that face businesses and leaders as they work to implement agile project management within their processes and try to gain a competitive edge through cross-functional team collaboration. Covering many underrepresented topics related to areas such as critical success factors, data science, and project leadership, this book is an essential resource for project leaders, managers, supervisors, business leaders, consultants, researchers, academicians, and students and educators of higher education.

Project Management of Large Software-Intensive Systems Marvin Gechman 2019-03-11 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.

Trends and Applications in Software Engineering Jezreel Mejia 2017-10-18 This book includes a selection of papers from the 2017 International Conference on Software Process Improvement (CIMPS'17), presenting trends and applications in software engineering. Held from 18th to 20th October 2017 in Zacatecas, Mexico, the conference provided a global forum for researchers and practitioners to present and discuss the latest innovations, trends, results, experiences and concerns in various areas of software engineering, including but not limited to software processes, security in information and communication technology, and big data. The main topics covered are organizational models, standards and methodologies, software process improvement, knowledge management, software systems, applications and tools, information and communication technologies and processes in non-software domains (mining, automotive, aerospace, business, health care, manufacturing, etc.) with a demonstrated relationship to software engineering challenges.

Software Project Management S. Ramanathan 2016-05-03 Software development has turned truly global - with requirement gathering and design at one location and program development at another. Cost advantage has moved more and more of the software life cycle activities to the developing nations like India and the Philippines. While outsourcing, many companies in the US and other Western countries find project management an area that needs improvement in the emerging service provider nations. Processes and teams across different geographical

locations make the management all the more challenging. It is precisely this need that this book intends to address. The author has extensive management experience in IT projects in the manufacturing, banking and telecom domains and distils that experience to narrate the project management knowledge areas with real life examples and case studies. Many books and articles have described the challenges faced by the US project manager in dealing with a contractor in another country, but the remedial measures for this skill gap needs to emerge within the cultural context of the service provider nations. This book addresses this challenge primarily from an Indian perspective, which can be extended to many other developing nations. Billions of dollars of US and European projects are now being handled in India and other developing countries and thousands of project managers have to emerge from the talent pools of these countries to efficiently manage this investment .It is with an intent to develop these skills this book has been written.

Factors That Impact Software Project Success in Offshore Information Technology (IT) Companies Dr. Venkata Rao Edara 2018-03-20 Information technology (IT) projects are unsuccessful at a rate of 65% to 75% annually, in spite of those undertaking these projects employing the latest technologies and spending significant amount of time and money on training and educating employees. Although, many researches have been conducted on project successes in American companies, there is a lack of research analyzing the impact of various factors on software project success in offshore IT companies. The purpose of the quantitative study undertaken for the purpose of this book is to enhance the understanding the impact of various factors on software project success in offshore IT companies.

Perspectives and Techniques for Improving Information Technology Project Management Wang, John 2013-01-31 Perspectives and Techniques for Improving Information Technology Project Management discusses the variety of information systems and how it can improve project management and, likewise, how project management can affect the growth of information systems. Using new frameworks, technologies and methods, this comprehensive collection is useful for professionals, researchers and software developers interested in learning more on this emerging field.