

Information Technology Project Management Chapter 2

The purpose of this book is to shed light on the performance and personal competencies of information technology (IT) project managers in South Africa. Predictive models are built to determine what project managers consider the crucial competencies they should possess to deliver an IT project successfully. This investigation takes place in the context of poor IT project success rates globally and, in particular, in South Africa. This novel research seeks to extend the debate on project success beyond what constitutes success or failure, but seeks to find clarity in what IT project managers believe are the essential competencies in practice. This quantitative research gathered data by way of an online survey based on literature regarding the Project Management Competency Development Framework (PMCDF). The population consisted of IT project managers in South Africa. Four hundred and two respondents chose to share their insights. Through the use of descriptive and multivariate statistics, major competency factors were identified. These factors were used in structural equation modelling to build various validated predictive models. This book contributes to the current body of knowledge by uncovering the competencies that IT project managers consider themselves competent in. The structural equation models indicated predictors of perceived competence by IT project managers and where these perceived competencies differ from literature. Twelve managerial implications are highlighted in the final chapter that seek to draw the myriad threads together into a coherent summary. It is apparent that IT project managers do not consider the PMCDF important in its entirety, but instead choose to focus on certain competencies.

In the recent past, computer programs have been used extensively to manage information technology (IT) projects. It has become almost mandatory for software development managers and students of information technology to learn how to use computer software to manage projects using computer software. *Computer Support for Successful Project Management: Using MS Project 2016 with Information Technology Projects* is a book intended to help IT management professionals and students, in using popular software MS-Project. Although there are many books on MS-Project, there are very few that cover the subject from the IT managers' perspective. This book uses guided examples from the IT sector. Most of the relevant project management terminology, concepts, and key processes are discussed, based on the standards of the Project Management Institute. This book helps software development project managers to easily relate with the projects they execute in their day-to-day life. The author includes advanced topics like earned value analysis and multiple project management and discusses agile methodology as well as how MS-Project facilitates agile project management. Readers will learn how a tool like MS-Project can be used for processes related to risk and quality, in addition to meeting project objectives like scope, time, and cost. This book helps you to transform yourself from an IT professional to an IT project manager.

Recreates the experience of dozens of projects, both successful and failed, to provide a real-world context for learning.

Information Technology Project Management, Revised Cengage Learning

Project management (PM), as a discipline, has been undergoing an incremental inclusion of theories, techniques, and processes from fields related to organizational behavior. Parallel to this has been the dominance of Information Technology (IT) projects within the field of Project Management. *Information Technology as a Facilitator of Social Processes in Project Management and Collaborative Work* provides emerging research that bridges the gap between IT and project management. While highlighting the importance of Information Technology and the social process of work, the readers will learn how project management applies techniques to achieve objectives through IT projects. This

book is an important resource for project managers, executives, IT managers, consultants, students, and educators.

Discover exciting behind-the-scenes opportunities and challenges in technology today with Schwalbe's unique INFORMATION TECHNOLOGY PROJECT MANAGEMENT, 7E. This one-of-a-kind book demonstrates the principles distinctive to managing information technology (IT) projects that extend well beyond standard project management requirements. No book offers more up-to-the minute insights and software tools for IT project management success, including updates that reflect the latest PMBOK Guide, 5th edition, the global standard for managing projects and earning certification. The book weaves today's theory with successful practices for an understandable, integrated presentation that focuses on the concepts, tools, and techniques that are most effective today. INFORMATION TECHNOLOGY PROJECT MANAGEMENT is the only book to apply all ten project management knowledge areas to IT projects. You master skills in project integration, scope, time, cost, quality, human resource, communications, risk, procurement, and stakeholder management as well as all five process groups--initiating, planning, executing, monitoring and controlling, and closing. Intriguing examples from familiar companies featured in today's news, a new Agile case, opportunities with MindView software, and a new chapter on project stakeholder management further ensure you are equipped to manage information technology projects with success. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Readers discover exciting opportunities and challenges in technology today with Schwalbe's INFORMATION TECHNOLOGY PROJECT MANAGEMENT, 8E. This unique book demonstrates principles distinctive to managing information technology (IT). No book offers more insights and tools for IT project management success, including updates that reflect the latest PMBOK Guide. This edition weaves theory with successful practices for an integrated focus on the concepts, tools, and techniques that are most effective today. This is the only text to apply all 10 project management knowledge areas to IT projects. Readers master skills in project integration, scope, time, cost, quality, human resource, communications, risk, procurement, and stakeholder management as well as all five process groups -- initiating, planning, executing, monitoring and controlling, and closing. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Whether utilizing electronic tools for K-12 classrooms, learning management systems in higher education institutions, or training and performance improvement for business organizations, technology maintains an important aspect in the delivery of education and training in both school and non-school settings. Cases on Educational Technology Planning, Design, and Implementation: A Project Management Perspective provides strategies for addressing the challenges and pitfalls faced when planning, designing, and implementing learning and educational technology projects. The case studies in this publication aim to provide instructors, practitioners in K-12 and higher education, business managers as well as students interested in implementing education technology projects.

Many of the project management methods and techniques of the past are still being used today, even though the technology, management and environment have changed. Information Technology Project Management explores the need to employ a modern project management approach to reflect today's environment. Focusing on IT projects, Lientz provides a comprehensive examination of the project management process, from the initiation of the project through to the planning, design, execution and closing. Key Features:

- Detailed coverage of PMBoK and PRINCE2 methodologies
- Explores the practical aspects of project management
- Extensive case studies from a variety of industries
- Checklists

and scorecards to measure all aspects of the project management process • Coverage of HRM and other 'soft' elements of project management • Guidelines on preventing project problems and failure Based on the authors own extensive industry and teaching practice, Information Technology Project Management is an essential resource for undergraduate, postgraduate and MBA students studying project management. Earlier editions of this work were published as Breakthrough Technology Project Management.

Vibrant and compelling, this jazz biography plots the life of one of New Zealand's greatest musicians: Mike Nock. From Nock's childhood in Ngaruawahia and Nelson in the 1940s and his teenage adventures on the road with the Fabulous Flamingoes to his gigs with music legends—including John Handy, Yusef Lateef, and Dionne Warwick—and his founding of the pioneering fusion band the Fourth Way, this account not only tells the story of a volatile and creative man, but also highlights Nock's stellar international career. Containing an analysis of the pianist's compositions and recordings as well as an accompanying DVD, this chronicle offers rich insights for musicians and fans alike.

This volume is the latest addition to the Cases on Information Technology Series, a series which provides a collection of case studies focusing on IT implementation in organizations. The cases included in Cases on Information Technology: Lessons Learned, Volume 7 cover a variety of IT initiatives, including enterprise systems, wireless technologies, rebuilding operating systems after destruction, and implementation within non-profit organizations. Each case includes integral information regarding organizations working with IT, including key individuals involved, intelligent steps taken or perhaps overlooked, and the final project outcomes. This volume is useful to IT managers and researchers, as it describes various scenarios of IT implementation and also unfortunate downfalls. Using the real-life situations as facilitators for classroom discussion, professors and students will benefit as well from this collection of cases.

The fourth edition of this text addresses the issue of organizational culture in more detail and gives an analysis of why information system projects fail and what can be done to make success more likely.

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

Designed for graduate, advanced undergraduate, and practitioner project management courses with an information technology focus, *Methods of IT Project Management* is built around the Project Management Body of Knowledge (PMBOK). The text provides students with all of the concepts, techniques, and methods found in the leading project management reference books, while also conveying practical knowledge that can immediately be applied in real-world settings. Unlike other books in this field, the material is organized according to the sequence of the project management life cycle from initial overview, through initiation, execution, and control, to close out. Following this life cycle, as opposed to covering the material by knowledge area, allows students to simultaneously learn project management concepts and methods at the same time as they develop skills they can use immediately during and upon completion of the course. The Project Management Professional (PMP) certification issued by the Project Management Institute (PMI) is the world's leading certification in this field. To help students prepare, the authors have dedicated an appendix to practice study questions and give helpful advice on preparing for and passing the PMP exam. At the end of each chapter, the text provides one or more mini-cases based on the theme of a running case study that extends through the entire book. The mini-cases provide additional opportunities for students to apply project management concepts and techniques, and they are ideal for stimulating class discussions and debates. In addition, these cases also present thought-provoking scenarios to challenge the more advanced student. This replaces the 1st Edition by Prentice Hall (ISBN# 978-0132367257).

Discover exciting behind-the-scenes opportunities and challenges in technology today with Schwalbe's unique *INFORMATION TECHNOLOGY PROJECT MANAGEMENT, REVISED 7E*. This one-of-a-kind book demonstrates the principles distinctive to managing information technology (IT) projects that extend well beyond standard project management requirements. No book offers more up-to-the minute insights and software tools for IT project management success, including updates that reflect the latest PMBOK Guide, 5th edition, the global standard for managing projects and earning certification. The book weaves today's theory with successful practices for an understandable, integrated presentation that focuses on the concepts, tools, and techniques that are most effective today. *INFORMATION TECHNOLOGY PROJECT MANAGEMENT* is the only book to apply all ten project management knowledge areas to IT

projects. You master skills in project integration, scope, time, cost, quality, human resource, communications, risk, procurement, and stakeholder management as well as all five process groups--initiating, planning, executing, monitoring and controlling, and closing. Intriguing examples from familiar companies featured in today's news, a new Agile case, opportunities with MindView software, and a new chapter on project stakeholder management further ensure you are equipped to manage information technology projects with success. The REVISED Seventh Edition has updated Appendix A for Microsoft Project 2013. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Communication is frequently identified in the literature as a major factor impacting Information Technology (IT) project failure. The importance of communication is amplified in buyer - seller relationships through the long-term impact of project failures on the future business of IT vendors with their customers. The formal communication between IT project sponsors from buyer firms and project managers from IT vendor firms within business to business markets is investigated through this study. Typical communication patterns between project sponsor and manager in high and low performing projects are identified. The antecedents of these patterns are assessed and the effectiveness of project sponsor - manager communication investigated. A multi-method approach is used with a quantitative analysis of a worldwide survey with 200 responses, followed by a qualitative analysis of three interviews with pairs of project sponsor and manager, each pair from the same project. Results show that project sponsors expect more analytic and verbal communication from project managers. A model shows the development from frequent informal communication to formal communication between project managers and sponsors. A second model shows how communication in high performing projects is determined by the level of collaboration between project managers and sponsors, as well as the degree of structure in project execution. Effectiveness of project sponsor and manager communication is found to be decreased through written statements about recent achievements, and increased through face-to-face meetings of the parties. A series of recommendations is provided to improve project sponsor - manager communication.

Although it remains one of the most significant challenges in recent years, companies are beginning to integrate the ideas of sustainability into organized projects such as marketing, corporate communications, and annual reports. In this case, sustainability remains an important influence on the initiation of project management. Sustainability Integration for Effective Project Management provides a comprehensive understanding of the most important issues, concepts, trends, methodologies, and good practices in sustainability to project management. The research and concepts discussed in this publication are developed by professionals and academics aiming to provide the latest knowledge related to sustainability principles for prospective professionals, academics, and researchers in this area of expertise.

This book presents a chronological approach to managing small, medium, and large projects, and is suitable for all majors, including business, engineering, healthcare, and more.

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.

Information is traveling faster and being shared by more individuals than ever before. Managing Information Technology Projects, REVISED 6E, International Edition offers the "behind-the-scene" aspect of technology. Although project management has been an established field for many years, managing information technology requires ideas and information that go beyond standard project management. By weaving together theory and practice, this text presents an understandable, integrated view of the many concepts skills, tools, and techniques involved in project management. Because the project management field and the technology industry change rapidly, you cannot assume that what worked even five years ago is still the best approach today. This text provides up-to-date information on how good project management and effective use of software can help you manage projects, especially information technology projects. Managing Information Technology Projects, REVISED 6E, International Edition is still the only textbook to apply all nine project management knowledge areas: project integration, scope, time, cost, quality, human resource, communications, risk, and procurement management. Also all five process groups: initiating, planning, executing, monitoring and controlling, and closing to information technology projects.

"This book presents the latest research, case studies, best practices, and methodologies within the field of IT project management, offering research from top experts around the world in a variety of IT project management applications and job sectors"--Provided by publisher.

Now today's managers can prepare to successfully oversee and understand information systems with Reynold's INFORMATION TECHNOLOGY FOR MANAGERS, 2E. This practical, insightful book prepares current and future managers to understand the critical business implications of information technology. A wealth of actual contemporary examples demonstrate how successful managers can apply information technology to improve their organizations. A new chapter on IT security, hands-on scenarios and practical cases give readers an opportunity to apply what they're learning. This edition's solid framework helps define the manager's important role in information technology and in working effectively with all members of the organization to achieve results. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

There is a high demand in our society to adopt emerging technologies in all aspects of business and economic activity. As traditional business practices and economic activity are occurring in a global context, new areas of economic development are being recognized as the key enablers of wealth and income production. International Business Strategy and Entrepreneurship: An Information Technology Perspective discusses innovative solutions to research problems and high performance systems while

emphasizing the role of IT and management for sustainable development. This book brings together academics, researchers, entrepreneurs, policy makers and government officers aiming to contribute to the debate of technology related to international business and strategic management.

"This book presents efficient ways for executives to understand the impact of IT on the intellectual capital of their firms, and searches for a new mandate for management that takes into consideration the pervasive role of IT on competitive boundaries. It provides a synopsis of the history, origin, taxonomies, ontologies, measurement models, and dynamics of intellectual capital"--Provided by publisher.

CD-ROM contains: Microsoft project professional trial and Microsoft project server trial.

This book focuses on providing information on project management specific for software implementations within the healthcare industry. It can be used as a beginners' guide as well as a reference for current project managers who might be new to software implementations. Utilizing the Project Management Institute's (PMI) methodology, the defined process groups and knowledge areas will be defined related to implementing custom and Commercial Off The Shelf (COTS) software. The Software Development Life Cycle (SDLC) is a standard for developing custom software, but can also be followed for implementing COTS applications as well. How will the system be set-up from an architecture and hardware standpoint? What environments will be needed and why? How are changes managed throughout the project and after? These questions and more will be reviewed. The differences between types of testing are defined as well as when each are utilized. Planning for the activation and measuring the success of the project and how well the strategic need has been met are key activities that are often not given the time and effort to plan as the other parts of the implementation project. This new edition updates the current content to better align with the newest version of the PMI's Project Management Body of Knowledge (PMBOK), the latest technology and concepts. In addition, this new edition includes additional chapters covering security and privacy, contract management and system selection and transition to support.

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.

"As the world economy becomes more interdependent and competition more global, the information technology management challenges of enabling the global marketplace must be met with innovative solutions. Covering both technological barriers and managerial challenges, this discussion includes international issues such as managerial experiences in Brazilian hotels, competition in the Asian automotive industry, e-business in Thailand, and job security in Egypt. A business-model handbook for the challenges faced by developing nations is also provided." To support the broadening spectrum of project delivery approaches, PMI is offering A Guide to the Project Management Body of Knowledge (PMBOK® Guide) – Sixth Edition as a bundle with its latest, the Agile Practice Guide. The PMBOK® Guide – Sixth Edition now contains detailed information about agile; while the Agile Practice Guide, created in partnership with Agile Alliance®, serves as a bridge to connect waterfall and agile. Together they are a powerful tool for project managers. The PMBOK® Guide – Sixth Edition – PMI's flagship publication has been updated to reflect the latest good practices in project management. New to the Sixth Edition, each knowledge area will contain a

section entitled Approaches for Agile, Iterative and Adaptive Environments, describing how these practices integrate in project settings. It will also contain more emphasis on strategic and business knowledge—including discussion of project management business documents—and information on the PMI Talent Triangle™ and the essential skills for success in today's market. Agile Practice Guide has been developed as a resource to understand, evaluate, and use agile and hybrid agile approaches. This practice guide provides guidance on when, where, and how to apply agile approaches and provides practical tools for practitioners and organizations wanting to increase agility. This practice guide is aligned with other PMI standards, including A Guide to the Project Management Body of Knowledge (PMBOK® Guide) – Sixth Edition, and was developed as the result of collaboration between the Project Management Institute and the Agile Alliance.

Introducing the first collection of IT Project Management readings in the academic market! Readings in Information Technology Project Management provides users with real-world examples of information project management from experienced project managers.

Comprehensive case studies coupled with various perspectives from experienced project managers are sure to equip users with a strong foundation for success in today's business world.

"...Project management is surely one of the most important professions in the IT industry today. This collection of tips, techniques and guidelines helps IT project managers improve their project management skills on a daily basis. This project book highlights (1) Project Strategy, (2) Life-Cycle Development of a project and (3) Testing of an IT product...."

Driven by such tools as big data, cognitive computing, new business models, and the internet of things, the overall demand for innovation is becoming more critical for competitiveness and emerging technologies. These technologies have become real alternatives for the market and offer new perspectives for modern project management applications. The Handbook of Research on Emerging Technologies for Effective Project Management is an essential research publication that proposes innovations for firms and markets through the exploration of project management principles and methods and the effective integration of knowledge and innovation. It encompasses academic and scientific propositions, reviews for conceptual bases, applications of theories in new market solutions, and cases of successful insertion of disruptive technologies and business models in new competitive market offers. Featuring a range of topics such as innovation management, business administration, and marketing, this book is ideal for project managers, IT specialists, software developers, executives, practitioners, managers, marketers, researchers, and industry professionals.

"This book provides a compendium of terms, definitions and explanations of concepts, processes and acronyms that reflect the growing trends, issues, and applications of technology project management"--Provided by publisher.

Market_Desc: IT Professionals Special Features: · Uses the concept of MOV to create a solid foundation for making decisions throughout the project's lifecycle· Presents more hands-on, practical exercises at the end of every chapter to show how the concepts are applied in the field· Updates and reorganizes the chapters to improve the flow of topics· Prepares readers for the PMP certification exam with a new appendix· Incorporates nine areas outlined in the Project Management Institute's Project Management Body of Knowledge (PMBOK) into the basic concepts About The Book: This book provides IT project managers with the tools to create Measurable Organizational Value (MOV). This edition presents more hands-on, practical exercises at the end of every chapter to show how the concepts are applied in the field. The chapters have been updated and reorganized to improve the flow of topics. An appendix that discusses how to prepare for the PMP certification exam is also included. It will help IT

professionals gain the skills to achieve a higher level of success.

The 5th Edition of Jack Marchewka's Information Technology Project Management focuses on how to create measurable organizational value (MOV) through IT projects. The author uses the concept of MOV, combined with his own research, to create a solid foundation for making decisions throughout the project's lifecycle. The book's integration of project management and IT concepts provides students with the tools and techniques they need to develop in this field.

Information Systems Project Management addresses project management in the context of information systems. It deals with general project management principles, with focus on the special characteristics of information systems. It is based on an earlier text, but shortened to focus on essential project management elements. This updated version presents various statistics indicating endemic problems in completing information system projects on time, within budget, at designed functionality. While successful completion of an information systems project is a challenge, there are some things that can be done to improve the probability of project success. This book reviews a number of project management tools, including, developing organizational ability to work on projects, better systems analysis and design, project estimation, and project control and termination.

Despite criticism for their serious shortcomings, maturity models are widely used within organizations. The appropriate applications of these models can lead to organizational and corporate success. Developing Organizational Maturity for Effective Project Management is a critical scholarly publication that explores the successes and failures of maturity models and how they can be applied competently to leadership within corporations. Featuring coverage on a wide array of topics such as project management maturity, agile maturity, and organizational performance, this publication is geared toward professionals, managers, and students seeking current research on the application of maturity models to corporate success.

The definitive work for IT professionals responsible for the management of the design, configuration, deployment, and maintenance of enterprise wide security projects. Provides specialized coverage of key project areas including Penetration Testing, Intrusion Detection and Prevention Systems, and Access Control Systems. The first and last word on managing IT security projects, this book provides the level of detail and content expertise required to competently handle highly complex security deployments. In most enterprises, be they corporate or governmental, these are generally the highest priority projects and the security of the entire business may depend on their success. * The first book devoted exclusively to managing IT security projects * Expert authors combine superb project management skills with in-depth coverage of highly complex security projects * By mastering the content in this book, managers will realise shorter schedules, fewer cost over runs, and successful deployments

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