

Environmental Project Management Principles Methodology And Processes Environmental Science And Engineering

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Sustainability in Project Management - Gilbert Silvius 2017-03-02

The concept of sustainability has grown in recognition and importance. The pressure on companies to broaden their reporting and accountability from economic performance for shareholders, to sustainability performance for all stakeholders is leading to a change of mindset in consumer behaviour and corporate policies. How can we develop prosperity without compromising the life and needs of future generations? Sustainability in Project Management explores and identifies the questions surrounding the integration of the concepts of sustainability in projects and project management and provides valuable guidance and insights. Sustainability relates to multiple perspectives, economical, environmental and social, but also to responsibility and accountability and values in terms of ethics, fairness and equality. The authors will inspire project managers to be aware of these considerations, and to apply them to the role they play in projects, not just 'doing things right' but 'doing the right things right'.

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.

Managing Projects in Research and Development - Ron Basu 2016-03-09

Research and Development is the vehicle by which organizations and economies create opportunity, innovation and secure a stream of future products and services. These outcomes are all critically important sources of sustainability in a world that is changing faster than most companies can keep up. The challenge behind them is the fundamental unpredictability of R&D; which is why effective project management is so important. Ron Basu's *Managing Projects in Research and Development* explains how and why project management can provide a means of helping to plan, organise and control multi-disciplinary research activities without stifling innovation. Combining research with practical examples and experience from a career that has included blue chip organizations such as GSK, GlaxoWellcome and Unilever, Ron Basu offers a rigorous guide to the fundamentals of R&D project management including project lifecycle management, risk management, cost, time quality and other success measures as well as the keys to

operational excellence in this complicated world.

Knowledge-Driven Harmonization of Sensor Observations: Exploiting Linked Open Data for IoT Data Streams - Frank, Matthias T. 2021-07-12

The rise of the Internet of Things leads to an unprecedented number of continuous sensor observations that are available as IoT data streams. Harmonization of such observations is a labor-intensive task due to heterogeneity in format, syntax, and semantics. We aim to reduce the effort for such harmonization tasks by employing a knowledge-driven approach. To this end, we pursue the idea of exploiting the large body of formalized public knowledge represented as statements in Linked Open Data.

[A Guide to the Project Management Body of Knowledge \(PMBOK® Guide\) – Seventh Edition and The Standard for Project Management \(BRAZILIAN PORTUGUESE\)](#) - Project Management Institute Project Management Institute 2021-08-01

PMBOK® Guide is the go-to resource for project management practitioners. The project management profession has significantly evolved due to emerging technology, new approaches and rapid market changes. Reflecting this evolution, The Standard for Project Management enumerates 12 principles of project management and the PMBOK® Guide &– Seventh Edition is structured around eight project performance domains. This edition is designed to address practitioners' current and future needs and to help them be more proactive, innovative and nimble in enabling desired project outcomes. This edition of the PMBOK® Guide: • Reflects the full range of development approaches (predictive, adaptive, hybrid, etc.); • Provides an entire section devoted to tailoring the development approach and processes; • Includes an expanded list of models, methods, and artifacts; • Focuses on not just delivering project outputs but also enabling outcomes; and • Integrates with PMI standards+™ for information and standards application content based on project type, development approach, and industry sector.

COMPUTING, A PRÉCIS ON SYSTEMS, SOFTWARE AND HARDWARE - Andreas Sofroniou

Strategic Benefits Realization - Craig Letavec 2014-02-19

“Strategic Benefits Realization never loses focus on the ultimate goal of any organization—to achieve business benefits that endure. Craig Letavec’s common sense approach and practical guidance can be applied throughout the entire benefits realization life cycle to ensure true business value from project investments. Business and project professionals can apply the author’s business-focused techniques immediately—a must read in today’s highly competitive global marketplace.” —Marc Resch, President, Resch Group, and best-selling author This desk reference offers practical guidance for program managers, portfolio managers, and business leaders in the implementation of benefits realization management in organizations. Aligned with global standards, this book extends the knowledge contained in these standards through practical implementation guidance, examples, and additional detail created to assist organizations

in implementing benefits realization management as a business practice to support the achievement of strategic business benefits. It also addresses important considerations in organizational change management, providing insights on leveraging key principles to guide successful implementation of the business change required to realize benefits through project and program work. Leveraging benefits realization management at the business portfolio level is covered as well. This book is ideal for organizations beginning to implement benefits realization management and those that wish to mature existing practices. Strategic Benefits Realization provides a practical approach to implementing benefits realization management in organizations that is aligned to PMI's Standard for Program Management and other global standards, and is presented in the context of program and portfolio management. The guidance offered supports effective governance and execution management to deliver business value.

[A Fresh Look at Improving Your Work Environment](#) - Steve Houseworth, PhD, PMP 2011-11-17

Companies that want results need to ensure that every task an employee performs adds value to the organization. That requires a close examination of why expectations aren't being met in order to improve processes. It's time to take a head-on approach to issues that prevent companies from hitting performance targets. You'll take a fresh look at the most common issues that hurt companies and learn how to • properly incorporate planning into the work process • track the costs of defects and repairs when determining project costs • form teams with a clear mission and the authority to complete tasks • work toward a common goal instead of working against each other Break down complex project methodology into principles that are easy to understand and that actually work. Multiple exercises reinforce principles and best practices that can be applied to diverse situations. Examine the important factors that are hurting results at your organization, and start focusing on adding value with A Fresh Look at Improving Your Work Environment.

Methods of Environmental and Social Impact Assessment - Riki Therivel 2017-09-13

Environmental and social impact assessment (ESIA) is an important and often obligatory part of proposing or launching any development project. Delivering a successful ESIA needs not only an understanding of the theory but also a detailed knowledge of the methods for carrying out the processes required. Riki Therivel and Graham Wood bring together the latest advice on best practice from experienced practitioners to ensure an ESIA is carried out effectively and efficiently. This new edition: • explains how an ESIA works and how it should be carried out • demonstrates the links between socio-economic, cultural, environmental and ecological systems and assessments • incorporates the World Bank's IFC performance standards, and best practice examples from developing as well as developed countries • includes new chapters on emerging ESIA topics such as climate change, ecosystem services, cultural impacts, resource efficiency, land acquisition and involuntary resettlement. Invaluable to undergraduate and MSc students of ESIA on planning, ecology, geography and environment courses, this internationally oriented fourth edition of *Methods of Environmental and Social Impact Assessment* is also of great use to planners, ESIA practitioners and professionals seeking to update their skills.

[The Complete Project Management Methodology and Toolkit](#) - Gerard M. Hill 2009-10-15

In the past, an organization's technical methodologies were expected to fulfill project management process needs. However, they sometimes fell short of applying what is known today as "professional project management" concepts and practices. Written by one of the nation's most highly regarded project management mentors, *The Complete Project Management Methodology and Toolkit* delineates a "business-relevant" methodology that can be introduced across different industries and business environments. The book describes the ProjectPRISMTM Project Management Methodology, an innovative, matrix-based approach to conducting project management that introduces relevant concepts, practices, and tools in an effective project management solution. Aligned with common business practices, Gerard Hill's method demonstrates how to develop project plans, keep on schedule, manage budgets, maintain areas of responsibility, and evaluate a project's progress from concept to completion. The text also offers insight for customizing the methodology to meet the unique needs of individual organizations. Project management has emerged as a professional discipline and is coming into the mainstream just when it appears to be most needed in the business environment. Demonstrating that project management, in many ways, is business management, the author provides an exceptional foundation for creating a fine-tuned project management

practice and a relevant business solution for every organization.

[Project Management Fundamentals](#) - Gregory T. Haugan PhD, PMP 2010-10

Build on the Right Fundamentals for Project Management Success! To achieve success in any endeavor, you need to understand the fundamental aspects of that endeavor. To achieve success in project management, you should start with *Project Management Fundamentals: Key Concepts and Methodology*, Second Edition. This completely revised edition offers new project managers a solid foundation in the basics of the discipline. Using a step-by-step approach and conventional project management (PM) terminology, *Project Management Fundamentals* is a commonsense guide that focuses on how essential PM methods, tools, and techniques can be put into practice immediately. New material in this second edition includes: • A thorough discussion of agile project management and its use in real-life situations • Detailed explanations of the unique factors involved in managing service projects • An enhanced appendix on management maturity models • A new appendix on project communications and social networking • Expanded coverage of the triple constraints in PM, going beyond scope, schedule, and cost to include quality, resources, and risks As a refresher for the experienced project manager or as a comprehensive introductory guide for the new practitioner, *Project Management Fundamentals: Key Concepts and Methodology*, Second Edition, is the go-to resource that delivers.

[Project Management for Research and Development](#) - Lory Mitchell Wingate 2014-08-05

Today's leading organizations recognize the importance of research and development (R&D) to maintain and grow market share. If companies want to survive into the future, they must accelerate their R&D-to-market cycles or find themselves behind the competition. *Project Management for Research and Development: Guiding Innovation for Positive R*

Environmental Project Management - Ebenezer A. Sholarin 2018-04-22

This book offers a new framework that facilitates the development of more intelligent systems and methods for data analysis and international information sharing, such as the use of satellite imaging and geospatial data to predict changes in weather conditions and shifts in water levels, and to assess the extent of the forest cover remaining on Earth that is visible from space. It brings together the many aspects of science and technology, as well as formula and analytical approaches required for more informed decision-making. It also highlights the vital importance of understanding the technological, economic and social dimensions of environmental projects that have short-term results and long-term impacts. It is unique in that it clearly distinguishes between environmental project management (EnvPM) and green project management (GreenPM), and presents an amalgamation of environmental management and project management concepts, using geospatial methods to form an EnvPM concept. The book sets a benchmark for the professionalism with which environmental projects should be planned, executed, monitored, assessed and delivered. While primarily intended for professionals responsible for the management of environmental projects or interested in improving the overall efficiency of such projects, it is also a useful handbook for managers in the private, public and non-for-profit sectors. It is a valuable resource for students at both undergraduate and master's levels and an indispensable guide for anyone wanting to develop their skills in modern project management, environmental management and geospatial techniques. ``We are the first generation to feel the impact of climate change, and the last generation that can do something about it." US President Obama's address to the United Nations on Climate Change and Global warming (2015) hison:

This book provides an in-depth, well-researched and science-based approach to applying key project-management and spatial tools and practices in environmental projects. An important read for leaders considering projects that balance social-economic growth against minimising its ill-effects on Planet Earth. - Todd Hutchison, Global Chairman of Peopleistic group.

[Project Management](#) - Clifford F. Gray 2014

Do you want to be a Certified Project Manager? This book combines operational and human skills into flexible, proactive framework. It focuses on the human element that is critical to project implementation and completion. It also provides an intuitive five-step approach for collecting the necessary information to plan, schedule, and control a project. Also features examples, case studies, and analysis for each phase of a typical project, to ensure that each project you manage meets its goals on time and on budget. Provides proven guidelines for managing projects from both the operational and behavioral standpoint.

Big Data in the GovTech System - Victoria N. Ostrovskaya 2022-09-04

This book presents applications and solutions of Big Data in the GovTech system and recommendations for regulating the institutions of the digital economy and information society for the wide application of Big Data with the use of the institutional approach. In this book, a systematic scientific understanding of GovTech is formed, the central place of Big Data in this system is substantiated, and modern experience in the functioning and development of this system is considered in detail. The contribution of the book to the literature is to bridge the gap between theory and practice of GovTech through a comprehensive study of all its manifestations in the three parts of the book. The first part is devoted to GovTech in the provision of high-tech educational services based on Big Data. The second part reflects state regulation of the economy by industry using Big Data in the GovTech. The third part outlined the digital divide and the experience of overcoming it with the help of GovTech based on Big Data. The practical significance of the book lies in the fact that it offers a holistic practical guide to the development of the GovTech system based on Big Data. The book will be of interest to academic scientists studying GovTech, as it clarified its categorical apparatus and scientific basis. The subjects of management in GovTech form the secondary target audience of this book, which provides them with numerous cases from the experience of modern Russia, as well as applied recommendations for improving the efficiency of the GovTech system based on Big Data. The book is multidisciplinary and is intended for scientists from various fields of science (pedagogy, economics, business, law, management, and ICT).

Industry 4.0 for the Built Environment - Marzia Bolpagni 2022

This book discusses how the role of traditional construction professional is changing, providing a useful guide for practitioners who would like to upskill themselves. Lately, core concepts and methodologies for the Built Environment are presented providing definitions and applications on Building Information Modelling, Computational Design, Artificial Intelligence, Big Data, Cloud Computing, Data Analytics and Visualization, Lean Construction, Advanced Project Management, Sustainability, Geographical Information Systems, Advanced Business Models, Disaster Management, Quality Management, Health and Safety and Legal prospective. The book also shows the latest technologies for the Built Environment including Digital Twins, Reality Capture, Extended Reality, Gamification, Computational Construction and Manufacturing, Structural Health Monitoring, Smart Transaction and Cybersecurity. Trends in soft skills for the Built Environment are presented covering Digital Working, Communication, Self and Relationship Management skills and Critical thinking. The book is dedicated to professionals who would like to enhance their understanding and capabilities to operate in the Industry 4.0 for the Built Environment having a holistic and comprehensive overview.

Environmental Remediation - 2000

New Trends in Software Methodologies, Tools and Techniques - Hamido Fujita 2009

"Papers presented at the Eighth International Conference on New Trends in Software Methodologies, Tools and Techniques, (SoMeT 09) held in Prague, Czech Republic ... from September 23rd to 25th 2009."--P. v.

The Management of Commercial Computing - Andreas Sofroniou 2010-02-11

The Management Of Commercial Computing. ISBN: 0952795604 Year: 1996 The development and management of systems and people in multi-national corporations, systems and software houses, government departments, European Union Commissions and academia.

Business Information Systems, Concepts and Examples - Andreas Sofroniou 2009-12-21

Business Information Systems, Concepts and Examples. ISBN: 0952795639 Year: 1998 This book aims to fill a gap in the current business and tutorial literature. It has been designed for the business individual, for the student and the computer professional who need a detailed overview of business information systems. It explores computing in general, the structured development of systems using processes and data analysis; object oriented and other methods. It includes the project planning and testing procedures for the Millennium thread.

Software Project Management in a Changing World - Günther Ruhe 2014-09-04

By bringing together various current directions, Software Project Management in a Changing World focuses on how people and organizations can make their processes more change-adaptive. The selected

chapters closely correspond to the project management knowledge areas introduced by the Project Management Body of Knowledge, including its extension for managing software projects. The contributions are grouped into four parts, preceded by a general introduction. Part I "Fundamentals" provides in-depth insights into fundamental topics including resource allocation, cost estimation and risk management. Part II "Supporting Areas" presents recent experiences and results related to the management of quality systems, knowledge, product portfolios and global and virtual software teams. Part III "New Paradigms" details new and evolving software-development practices including agile, distributed and open and inner-source development. Finally, Part IV "Emerging Techniques" introduces search-based techniques, social media, software process simulation and the efficient use of empirical data and their effects on software-management practices. This book will attract readers from both academia and practice with its excellent balance between new findings and experience of their usage in new contexts. Whenever appropriate, the presentation is based on evidence from empirical evaluation of the proposed approaches. For researchers and graduate students, it presents some of the latest methods and techniques to accommodate new challenges facing the discipline. For professionals, it serves as a source of inspiration for refining their project-management skills in new areas.

Green Project Management - Richard Maltzman 2012-03-09

Winner of PMI's 2011 David I. Cleland Project Management Literature Award Detailing cutting-edge green techniques and methods, this book teaches project managers how to maximize resources and get the most out of limited budgets. It supplies proven techniques and best practices in green project management, including risk and opportunity assessments. With illustrative case studies and insights from acknowledged leaders in green project management, the text: Explains how to tap into green incentives, including grants, rebates, and tax credits Includes case studies that illustrate how to integrate green techniques and methods to generate cost savings and maximize resources Provides green techniques that take little time to implement, can benefit all types of projects, and can generate immediate savings to your project's bottom line Praise for: A first-of-its-kind book ... a must-read for senior executives as well as project managers.

—Harold Kerzner, Ph.D., Senior Executive Director for Project Management at The International Institute for Learning ... an impressive piece of work. —Jean Binder, PMP, MBA, award-winning author (David I. Cleland Literature Award, 2008) This important book defines the green field and sets out the steps for those who want to be ahead of the crowd... —Dr. David Hillson, PMP, FAPM, FIRM, MCMI, Director of Risk Doctor & Partners ... an incredible call to arms to increase your project greenality for a better world, or a bigger pay check, if you're still cynical on this topic. —Bas de Baar, ProjectShrink.com ... an excellent job of making the reader aware of how much influence a single project manager, let alone an entire discipline, can have on improving our environment. —Professor Schwalbe, Department of Business Administration, Augsburg College

Micro MBA - Carolina Machado 2018-04-23

Micro MBA focuses on accounting, economics, marketing, human resources, operations, finance and gives the "core" curriculum of subjects usually present in an MBA program. This book presents the key concepts to all those pursuing a managerial career in the technological and engineering industry on principles, strategies, models, techniques, methodologies and applications in the business area for non-economists.

Environmental Project Management - Ebenezer A. Sholarin 2016-04-22

This book offers a new framework that facilitates the development of more intelligent systems and methods for data analysis and international information sharing, such as the use of satellite imaging and geospatial data to predict changes in weather conditions and shifts in water levels, and to assess the extent of the forest cover remaining on Earth that is visible from space. It brings together the many aspects of science and technology, as well as formula and analytical approaches required for more informed decision-making. It also highlights the vital importance of understanding the technological, economic and social dimensions of environmental projects that have short-term results and long-term impacts. It is unique in that it clearly distinguishes between environmental project management (EnvPM) and green project management (GreenPM), and presents an amalgamation of environmental management and project management concepts, using geospatial methods to form an EnvPM concept. The book sets a benchmark for the professionalism with which environmental projects should be planned, executed, monitored, assessed and

delivered. While primarily intended for professionals responsible for the management of environmental projects or interested in improving the overall efficiency of such projects, it is also a useful handbook for managers in the private, public and non-for-profit sectors. It is a valuable resource for students at both undergraduate and master's levels and an indispensable guide for anyone wanting to develop their skills in modern project management, environmental management and geospatial techniques. ``We are the first generation to feel the impact of climate change, and the last generation that can do something about it." US President Obama's address to the United Nations on Climate Change and Global warming (2015) hison: This book provides an in-depth, well-researched and science-based approach to applying key project-management and spatial tools and practices in environmental projects. An important read for leaders considering projects that balance social-economic growth against minimising its ill-effects on Planet Earth. - Todd Hutchison, Global Chairman of Peopleistic group.

The Management of Projects, Systems, Internet and Risks - Andreas Sofroniou 2009-04-28

The Management Of Projects, Systems, Internet And Risks.ISBN: 0952795698 Year: 2002 The Programme/Project Management methods described in this book provide a generic structure for the development of IT systems, Project Management techniques and how to plan projects. Useful to Programme and Project Managers, Analysts, Designers, Programmers, Executives, Academics and Students.

Intelligent and Fuzzy Techniques: Smart and Innovative Solutions - Cengiz Kahraman 2020-07-10

This book gathers the most recent developments in fuzzy & intelligence systems and real complex systems presented at INFUS 2020, held in Istanbul on July 21-23, 2020. The INFUS conferences are a well-established international research forum to advance the foundations and applications of intelligent and fuzzy systems, computational intelligence, and soft computing, highlighting studies on fuzzy & intelligence systems and real complex systems at universities and international research institutions. Covering a range of topics, including the theory and applications of fuzzy set extensions such as intuitionistic fuzzy sets, hesitant fuzzy sets, spherical fuzzy sets, and fuzzy decision-making; machine learning; risk assessment; heuristics; and clustering, the book is a valuable resource for academics, M.Sc. and Ph.D. students, as well as managers and engineers in industry and the service sectors.

Practice Standard for Project Risk Management - Project Management Institute 2009-06-01

The Practice Standard for Project Risk Management covers risk management as it is applied to single projects only. It does not cover risk in programs or portfolios. This practice standard is consistent with the PMBOK® Guide and is aligned with other PMI practice standards. Different projects, organizations and situations require a variety of approaches to risk management and there are several specific ways to conduct risk management that are in agreement with principles of Project Risk Management as presented in this practice standard.

Pharmaceutical and Biomedical Project Management in a Changing Global Environment - Scott D. Babler 2011-01-06

Pharmaceutical and Biomedical Portfolio Management in a Changing Global Environment explores some of the critical forces at work today in the complex endeavour of pharmaceutical and medical product development. Written by experienced professionals, and including real-world approaches and best practice examples, this new title addresses three key areas - small molecules, large molecules, and medical devices - and provides hard-to-find, consolidated information relevant to and needed by pharmaceutical, biotech, and medical device company managers.

Project Management and Sustainable Development Principles - Roland Gareis 2013-04-01

Illustrated with more than 100 figures and tables, Project Management and Sustainable Development Principles provides practitioners with all the tools they need to understand Sustainable Development and apply its principles to the initiation and management of projects. This comprehensive volume begins by establishing a baseline understanding of Sustainable Development's history, its value to society and its relationship to global project management standards. It then offers an inside view of Sustainable Development in action on a range of real-world projects and guidance on how Sustainable Development principles can improve the quality of overall process design, investment analysis and project definition, contexts and structures.

Integration of Information Technology - Andreas Sofroniou 2014-11-06

This book integrates eleven different subjects of Information Technology, all into one volume of 725 pages. Today, Information Technology and computing in general, is affecting work and leisure alike, increasingly involved in factory and business operations, networking, defence, medicine, education and the domestic environment. Computers and their systems are influencing attitudes to privacy, employment and other social issues. One can appreciate that the construction of a system is as complex as a house built in a swamp. It does, therefore, require careful planning and design. Just as a house must have an architect's plan, so does a system. It must have requirements, system objectives and a blueprint. The world of computing became smaller in 1993 in terms of both, new ultra-small computing systems. The new, small computers were equipped with wireless networking systems, and new equipment were offered the promise of networking with other computers worldwide on a data superhighway.

Banking, Finance, and Accounting: Concepts, Methodologies, Tools, and Applications - Management Association, Information Resources 2014-07-31

With the global economy still in recovery, it is more important than ever for individuals and organizations to be aware of their money and its potential for both depreciation and growth. Banking, Finance, and Accounting: Concepts, Methodologies, Tools, and Applications investigates recent advances and undertakings in the financial industry to better equip all members of the world economy with the tools and insights needed to weather any shift in the economic climate. With chapters on topics ranging from investment portfolios to credit unions, this multi-volume reference source will serve as a crucial resource for managers, investors, brokers, and all others within the banking industry.

Fulton Street Transit Center, New York, New York, Section 4(f) Evaluation - 2004

Management of Environmental Impacts - Alandra Kahl 2017-11-21

In Management of Environmental Impacts, various types of environmental impacts of projects are discussed in sufficient detail, to provide a concise and useful overview for the graduate or professional student. Subjects approached herein include impacts on water bodies, generation of hazardous materials, and alternative energy sources and their impacts, and management of sustainable projects. The intent of this text is to provide a repository of general information for consultation and reference of the user.

A Guide to Information Technology - Andreas Sofroniou 2009-12-21

A Guide To Information Technology.ISBN: 0952795647 Year: 1999 The book covers the fundamental aspects of computing and the development of new information systems. Explains the current systems, structured analysis and designing, management, planning and the year 2000 problems and solutions.

Realizing Strategy through Projects: The Executive's Guide - Carl Marnewick 2018-01-02

Executives should not necessarily know the intricacies of project management, but they should know how project management, as a discipline, can benefit the organization in implementing its strategies and realizing its vision. The only way that executives can effectively apply project management to realize these goals is to have sound knowledge of the project management discipline. The purpose of this book is to provide executives with a comprehensive overview of the discipline of project management. It focuses on the benefits of project management to an organization. The goal is to provide executives with a view as to how project management can deliver organizational strategies. The various chapters focus on specific aspects within the project management discipline and how each aspect should be managed from a business perspective. The book covers the entire spectrum of project management from a management and leadership perspective. The focus is not necessarily on what needs to be done from a project management perspective, but on what organizations and senior executives can do to facilitate projects. The book covers: The value of project management Project management as a strategic enabler Project, program, and portfolio management The role of the project management office in the successful delivery of projects, programs, and portfolios The benefits of project deliverables bring Sustainability of the organization Governance and the role of the project sponsor. The book concludes with a comprehensive portfolio, program, and project management framework. This holistic framework enables organizations to achieve value from project management and realize strategic goals.

A Handbook of Business Transformation Management Methodology - Axel Uhl 2016-04-08

This book provides an integrative Business Transformation Management Methodology, the BTM2, with an

emphasis on the balance between the rational aspects of transformation and the often underestimated emotional readiness of employees to absorb and accept transformation initiatives. Comprising four phases - Envision, Engage, Transform, and Optimize - the methodology integrates expertise from areas such as strategy, risk, and project management. Covering the formal and informal structures and roles needed for a successful transformation, the authors cover a wide range of theory to help understand the phenomenon of transformation. A '360-degree' view on what business transformation means and how to manage it successfully, this handbook is suitable for business executives dealing with organizational change. A range of illustrative case studies ensure this is also a valuable resource for academics interested in change and transformation management.

Sustainability Integration for Effective Project Management - Silviu, Gilbert 2013-06-30

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.

Lean Manufacturing and Six Sigma - Fausto Pedro García Márquez 2020-02-14

Lean Manufacturing, also called lean production, was originally created in Toyota after the Second World War, in the reconstruction period. It is based on the idea of eliminating any waste in the industry, i.e. any activity or task that does not add value and requires resources. It is considered in every level of the industry, e.g. design, manufacturing, distribution, and customer service. The main wastes are: over-production against plan; waiting time of operators and machines; unnecessary transportation; waste in the process itself; excess stock of material and components; non value-adding motion; defects in quality. The diversity of these issues will be covered from algorithms, mathematical models, and software engineering

by design methodologies and technical or practical solutions. This book intends to provide the reader with a comprehensive overview of the current state, cases studies, hardware and software solutions, analytics, and data science in dependability engineering.

Integrated IT Project Management - Kenneth R. Baine 2004

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

Advances in Intelligent Systems and Computing III - Natalia Shakhovska 2018-11-19

This book reports on new theories and applications in the field of intelligent systems and computing. It covers computational and artificial intelligence methods, as well as advances in computer vision, current issues in big data and cloud computing, computation linguistics, and cyber-physical systems. It also reports on data mining and knowledge extraction technologies, as well as central issues in intelligent information management. Written by active researchers, the respective chapters are based on papers presented at the International Conference on Computer Science and Information Technologies (CSIT 2018), held on September 11-14, 2018, in Lviv, Ukraine, and jointly organized by the Lviv Polytechnic National University, Ukraine, the Kharkiv National University of Radio Electronics, Ukraine, and the Technical University of Lodz, Poland, under patronage of Ministry of Education and Science of Ukraine. Given its breadth of coverage, the book provides academics and professionals with extensive information and a timely snapshot of the field of intelligent systems, and is sure to foster new discussions and collaborations among different groups.