Smart Education and e-Learning 2019

Modeling The Earth For Oil Exploration

Hands on Software Engineering (1000 MCQ E-Book)

Automated Transportation Management System (ATMS) Software Project Management Plan (SPMP). Revision 2

Managing Global Software Projects

Software Engineering

Proceedings of the 2012 International Conference on Information Technology and Software Engineering

Software Process Improvement: Metrics, Measurement, and Process Modelling

Software Engineering: A Hands-On Approach

Handbook of Reliability Engineering

Software Engineering

FUNDAMENTALS OF SOFTWARE ENGINEERING, FIFTH EDITION

Professional Knowledge for IBPS & SBI Specialist IT Officer Exams with 15 Practice Sets

5th Edition

Computer Science and Information Technology Guide for GATE/PSUs

Managing Risk

Software Engineering

Automated Defect Prevention

Mastering Software Project Management

Software Project Management

Information Technology Project Management

System Engineering Management

Software Engineering

Software Engineering

Software Engineering

Software Engineering

Software Engineering

Education

Software Quality Approaches: Testing, Verification, and Validation

Managing IT Performance to Create Business Value

GATE 2019 Computer Science & Information Technology Masterpiece with 10 Practice Sets (6 in Book + 4 Online)

6th edition

Project Management for Engineers

Managing and Leading Software Projects

Practical Software Engineering

Practical Support for Lean Six Sigma Software Process Definition

Quality Software Project Management

Guide to IBPS & SBI Specialist IT Officer Scale I - 6th Edition

The Software Project Manager's Handbook

Model-Driven Business Process Engineering

Smart Education and e-Learning 2019

Model Driven development (MDD) is a software and systems development model that involves the application of visual modeling principles and best practices.

Modeling The Earth For Oil Exploration

C. Amting Directorate General Information Society, European Commission, Brussels th Under the 4 Framework of European Research, the European Systems and Soft ware Initiative (ESSI) was part of the ESPRIT Programme. This initiative funded more than 470 projects in the area of software and system process improvements. The majority of these projects were process improvement experiments carrying out and taking up new development processes, methods and technology within the software development process of a company. In addition, nodes (centres of expertise), European networks (organisations managing local activities), training and dissemination actions complemented the process improvement experiments. ESSI aimed at improving the software development capabilities of European enterprises. It focused on best practice and helped European companies to develop world class skills and associated technologies to build the increasingly complex and varied systems needed to compete in the marketplace. The dissemination activities were designed to build a forum, at European level, to exchange information and knowledge gained within process improvement experiments. Their major objective was to spread the message and the results of experiments to a wider audience, through a variety of different channels. The
European Experience Exchange –UR–X) project has been one of these dissemination activities within the European Systems and Software Initiative. –UR–)( has collected the results of practitioner reports from numerous workshops in Europe and presents, in this series of books, the results of Best Practice achievements in European Companies over the last few years.

Hands on Software Engineering (1000 MCQ E-Book) Each and every chapter covers the contents up to a reasonable depth necessary for the intended readers in the field. The book consists in all about 1200 exercises based on the topics and sub-topics covered. Keeping in view the emerging trends in newly emerging scenario with new dimension of software engineering, the book specially includes the following chapters, but not limited to these only. This book explains all the notions related to software engineering in a very systematic way, which is of utmost importance to the novice readers in the field of software Engineering.

Automated Transportation Management System (ATMS) Software Project Management Plan (SPMP). Revision 2 Computer Science & Information Technology for GATE/PSUs exam contains exhaustive theory, past year questions and practice problems The book has been written as per the latest format as issued for latest GATE exam. The book covers Numerical Answer Type Questions which have been added in the GATE format. To the point but exhaustive theory covering each and every topic in the latest GATE syllabus.

Managing Global Software Projects Introduction to management; Software engineering process; Software engineering project management; Planning a software engineering project; Software cost, schedule, and size; Organizing a software engineering project; Staffing a software engineering project; Directing a software engineering project; Controlling a software engineering project; Software metrics and visibility of progress; The silver bullets; Appendix.

Software Engineering The book is organized around basic principles of software project management: planning and estimating, measuring and controlling, leading and communicating, and managing risk. Introduces software development methods, from traditional (hacking, requirements to code, and waterfall) to iterative (incremental build, evolutionary, agile, and spiral). Illustrates and emphasizes tailoring the development process to each project, with a foundation in the fundamentals that are true for all development methods. Topics such as the WBS, estimation, schedule networks, organizing the project team, and performance reporting are integrated, rather than being relegating to appendices. Each chapter in the book includes an appendix that covers the relevant topics from CMMI-DEV-v1.2, IEEE/ISO Standards 12207, IEEE Standard 1058, and the PMI® Body of Knowledge. (PMI is a registered mark of Project Management Institute, Inc.)

Proceedings of the 2012 International Conference on Information Technology and Software Engineering This volume presents an overview of the results of a European Union integrated program in which approximately two hundred earth scientists participated, drawn from all fields related to exploration. Two classes of modeling were addressed - geological modeling - the relationship between the conditions of sedimentation and the resulting reservoir conditions; and wave-propagation modeling - the investigation of wave-propagation through media of various degrees of complexity. Wave-propagation modeling was carried out either mathematically or physically with the most modern tools. An important aspect of the project was the inversion of seismic data, that is the determination of the parameters of the medium from observations. This problem is closely
related to modeling since it is based on the inversion of the mathematical steps and often uses modeling for verification and updating. The geological data presents novel concepts with a coverage that is both broad in area and in discipline. The geophysical investigations are at the leading edge of current research. Although detailed results have been published separately by investigators, this volume is the only source of reference which summarises the results; but incorporating sufficient detail to enable the reader to follow the scientific reasoning.

Software Process Improvement: Metrics, Measurement, and Process Modelling

Software Engineering: A Hands-On Approach

The 6th edition of the book covers the 2012-2018 Solved Paper od SBI & IBPS along with complete study material of the 4 sections - English Language, Quantitative Aptitude including DI, Reasoning & Professional Knowledge. The book provides well illustrated theory with exhaustive fully solved examples for learning. This is followed with an exhaustive collection of solved questions in the form of Exercise. The book incorporates fully solved 2012 to 2018 IBPS & SBI Specialist IT Officer Scale question papers incorporated chapter-wise. The USP of the book is the Professional Knowledge section, which has been divided into 12 chapters covering all the important aspects of IT Knowledge as per the pattern of questions asked in the question paper.

Handbook of Reliability Engineering

While vols. III/29 A, B (published in 1992 and 1993, respectively) contains the low frequency properties of dielectric crystals, in vol. III/30 the high frequency or optical properties are compiled. While the first subvolume 30 A contains piezooptic and elastooptic constants, linear and quadratic electrooptic constants and their temperature coefficients, and relevant refractive indices, the present subvolume 30 B covers second and third order nonlinear optical susceptibilities. For the reader's convenience an alphabetical formula index and an alphabetical index of chemical, mineralogical and technical names for all substances of volumes 29 A, B and 30 A, B are included.

Software Engineering Guides

This textbook provides a progressive approach to the teaching of software engineering. First, readers are introduced to the core concepts of the object-oriented methodology, which is used throughout the book to act as the foundation for software engineering and programming practices, and partly for the software engineering process itself. Then, the processes involved in software engineering are explained in more detail, especially methods and their applications in design, implementation, testing, and measurement, as they relate to software engineering projects. At last, readers are given the chance to practice these concepts by applying commonly used skills and tasks to a hands-on project. The impact of such a format is the potential for quicker and deeper understanding. Readers will master concepts and skills at the most basic levels before continuing to expand on and apply these lessons in later chapters.

Software Engineering Proceedings of the 2012 International Conference on Information Technology and Software Engineering presents selected articles from this major event, which was held in Beijing, December 8-10, 2012. This book presents the latest research trends, methods and experimental results in the fields of information technology and software engineering, covering various state-of-the-art research theories and approaches. The subjects range from intelligent computing to information processing, software engineering, Web,
uniﬁed modeling language (UML), multimedia, communication technologies, system identiﬁcation, graphics and visualizing, etc. The proceedings provide a major interdisciplinary forum for researchers and engineers to present the most innovative studies and advances, which can serve as an excellent reference work for researchers and graduate students working on information technology and software engineering. Prof. Wei Lu, Dr. Guoqiang Cai, Prof. Weibin Liu and Dr. Weiwei Xing all work at Beijing Jiaotong University.

FUNDAMENTALS OF SOFTWARE ENGINEERING, FIFTH EDITION Today’s software engineer must be able to employ more than one kind of software process, ranging from agile methodologies to the waterfall process, from highly integrated tool suites to refactoring and loosely coupled tool sets. Braude and Bernstein’s thorough coverage of software engineering perfects the reader’s ability to efﬁciently create reliable software systems, designed to meet the needs of a variety of customers. Topical highlights . . . • Process: concentrates on how applications are planned and developed • Design: teaches software engineering primarily as a requirements-to-design activity • Programming and agile methods: encourages software engineering as a code-oriented activity • Theory and principles: focuses on foundations • Hands-on projects and case studies: utilizes active team or individual project examples to facilitate understanding theory, principles, and practice In addition to knowledge of the tools and techniques available to software engineers, readers will grasp the ability to interact with customers, participate in multiple software processes, and express requirements clearly in a variety of ways. They will have the ability to create designs ﬂexible enough for complex, changing environments, and deliver the proper products.

Professional Knowledge for IBPS & SBI Specialist IT Officer Exams with 15 Practice Sets 5th Edition This book presents a detailed analysis concept and practical approach of Software Project Management. It is simple, compact, and coherent which enables the students of management to be familiar with fundamental projects. The salient and prominent features of this book are as follows: covers the complete syllabus of software Project management prescribed by U.P. Technical University, Lucknow & other universities; uses simple and easy language to understand the subject; makes software project management interesting to read and master; all topics are explained in an easy manner followed by numerous ﬁgures. The inner strength of this book lies in discussion of several questions selected from various examination papers. This book will be a boon to students and will help them to face examination in a conﬁdent manner.

Computer Science and Information Technology Guide for GATE/ PSUs The Book Covering The Various Aspects Of Software Engineering Takes Come Of The Entire Curriculum As Target In Most Indian And Foreign Universities. Useful For The Students And Practioners Of Software Engineering.

Managing Risk 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

Software Engineering Project Management 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.

Information Technology Project Management, Revised Contains 10 guides to software engineering produced by the European Space Agency, explaining how to apply the previously published Software Engineering Standards. Each guide describes the process to be followed, provides information about the contents of documents required by the Standards, and contains its own index, references, glossary, and other appendices. Includes guides for the user requirement definitions phase, the software transfer phase, and quality assurance. For software engineers. Annotation copyrighted by Book News, Inc., Portland, OR

Automated Transportation Management System (ATMS) Software Project Management Plan (SPMP). Our 1000+ Software Engineering Questions and Answers focuses on all areas of Software Engineering subject covering 100+ topics in Software Engineering. These topics are chosen from a collection of most authoritative and best reference books on Software Engineering. One should spend 1 hour daily for 15 days to learn and assimilate Software Engineering comprehensively. This way of systematic learning will prepare anyone easily towards Software Engineering interviews, online tests, Examinations and Certifications. Highlights- Ø 1000+ Basic and Hard Core High level Multiple Choice Questions & Answers in Software Engineering with Explanations. Ø Prepare anyone easily towards Software Engineering interviews, online tests, Government Examinations and certifications. Ø Every MCQ set focuses on a specific topic in Software Engineering. Ø Specially designed for IBPS IT, SBI IT, RRB IT, GATE CSE, UGC NET CS, PROGRAMMER and other IT & Computer Science related Exams. Who should Practice these Software Engineering Questions? Ø Anyone wishing to sharpen their skills on Software Engineering. Ø Anyone preparing for aptitude test in Software Engineering. Ø Anyone preparing for interviews (campus/off-campus walk-in interviews) Ø Anyone preparing for entrance examinations and other competitive examinations. Ø All - Experienced, Freshers and Students.

Software Engineering Practical Support for Lean Six Sigma Software Process Definition: Using IEEE Software Engineering Standards addresses the task of meeting the specific documentation requirements in support of Lean Six Sigma. This book provides a set of templates supporting the documentation required for basic software project control and management and covers the integration of
these templates for their entire product development life cycle. Find detailed
documentation guidance in the form of organizational policy descriptions,
integrated set of deployable document templates, artifacts required in support of
assessment, organizational delineation of process documentation.

Automated Defect Prevention An effective reliability programme is an essential
component of every product's design, testing and efficient production. From the
failure analysis of a microelectronic device to software fault tolerance and from
the accelerated life testing of mechanical components to hardware verification, a
common underlying philosophy of reliability applies. Defining both fundamental
and applied work across the entire systems reliability arena, this state-of-the-art
reference presents methodologies for quality, maintainability and dependability.

Mastering Software Project Management This book contains the contributions
presented at the 6th international KES conference on Smart Education and e-
Learning (KES SEEL-2019), which took place at St. Julian’s, Malta, June 17-19,
2019. It contains fifty-five high-quality peer-reviewed papers that are grouped
into several interconnected parts: Part 1 - Smart Education, Part 2 - Smart e-
Learning, Part 3 - Smart Pedagogy, Part 4 - Smart Education: Systems and
Technology, Part 5 - Smart Education: Case Studies and Research, Part 6 -
Students with Disabilities and Smart Education/University, and Part 7 -
Mathematical Modelling of Smart Education and Economics of Smart University.
Smart education and smart e-learning are emerging and rapidly growing areas
with the potential to transform existing teaching strategies, learning
environments, and educational activities and technology in the classroom. Smart
education and smart e-learning focus on enabling instructors to develop new
ways of achieving excellence in teaching in highly technological smart
classrooms, and providing students with new opportunities to maximize their
success and select the best options for their education, location and learning
style, as well as the mode of content delivery. This book serves as a useful source
of research data and valuable information on current research projects, best
practices and case studies for faculty, scholars, Ph.D. students, administrators,
and practitioners - all those who are interested in smart education and smart e-
learning.

Software Project Management 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.

Information Technology Project Management Managing Global Software Projects about the three dimensions of Software Project Management people, process and technology and the interactions between them, particularly when the team is geographically distributed. The book focuses on the following: 1. Project management issues that confront global and distributed teams 2. A fair balance across the three dimensions people, process and technology contributing to the success of geographically distributed teams 3. Practical examples of the things that work and the common pitfalls 4. Descriptive frameworks rather than prescriptive formulae 5. Coverage of some of the issues vital for a project's success, for example the skill set required for each function, business significance of process models, etc. This book also covers the key practice areas of CMM and the 20 clauses of ISO-9001.

System Engineering Management • GATE Computer Science & Information Technology Masterpiece 2019 with 10 Practice Sets - 6 in Book + 4 Online Tests - 6th edition contains exhaustive theory, past year questions, practice problems and 10 Mock Tests. • Covers past 14 years questions. • Exhaustive EXERCISE containing 100-150 questions in each chapter. In all contains around 5200 MCQs. • Solutions provided for each question in detail. • The book provides 10 Practice Sets - 6 in Book + 4 Online Tests designed exactly on the latest pattern of GATE exam.

Software Engineering Software project managers and their team members work individually towards a common goal. This book guides both, emphasizing basic principles that work at work. Software at work should be pleasant and productive, not just one or the other. This book emphasizes software project management at work. The author's unique approach concentrates on the concept that success on software projects has more to do with how people think individually and in groups than with programming. He summarizes past successful projects and why others failed. Visibility and communication are more important than SQL and C. The book discusses the technical and people aspects of software and how they relate to one another. The first part of the text discusses four themes: (1) people, process, product, (2) visibility, (3) configuration management, and (4) IEEE Standards. These themes stress thinking, organization, using what others have built, and people. The second part describes the software management principles of process, planning, and risk management. Part three discusses software engineering principles, the technical aspects of software projects. The fourth part examines software practices giving practical meaning to the individual topics covered in the preceding chapters. The final part of this book continues these practical aspects by illustrating a sample project through seven distinctive documents.

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

Software Engineering "The increasing rate of technological change we are experiencing in our lifetime yields competitive advantage to organizations and individuals who are willing to embrace risk and the opportunities it presents. Those who choose to minimize or avoid risk, as opposed to managing it, set a course for obsolescence. Hall has captured the essence of risk management and given us a practical guide for the application of useful principles in software-intensive product development. This is must reading for public and private sector managers who want to succeed as we begin the next century." - Daniel P. Czelusniak, Director, Acquisition Program Integration Office of the Under Secretary of Defense (Acquisition and Technology) The Pentagon "Since it is more than just common sense, the newcomer to risk management needs an intelligent guide. It is in this role that Elaine Hall's book excels. This book provides a set of practical and well-delineated processes for implementation of the discipline." - Tom DeMarco, from the Foreword Risk is inherent in the development of any large software system. A common approach to risk in software development is to ignore it and hope that no serious problems occur. Leading software companies use quantitative risk management methods as a more useful approach to achieve success. Written for busy professionals charged with delivering high-quality products on time and within budget, Managing Risk is a comprehensive guide that describes a success formula for managing software risk. The book is divided into five parts that describe a risk management road map designed to take you from crisis to control of your software project. Highlights include: Six disciplines for managing product development. Steps to predictable risk-management process results. How to establish the infrastructure for a risk-aware culture. Methods for the implementation of a risk management plan. Case studies of people in crisis and in control.

Software Engineering Education This book describes an approach to software management based on establishing an infrastructure that serves as the foundation for the project. This infrastructure defines people roles, necessary technology, and interactions between people and technology. This infrastructure automates repetitive tasks, organizes project activities, tracks project status, and seamlessly collects project data to provide measures necessary for decision making. Most importantly, this infrastructure sustains and facilitates the improvement of human-defined processes. The methodology described in the book, which is called Automated Defect Prevention (ADP) stands out from the current software landscape as a result of two unique features: its comprehensive approach to defect prevention, and its far-reaching emphasis on automation. ADP is a practical and thorough guide to implementing and managing software projects and processes. It is a set of best practices for software management through process improvement, which is achieved by the gradual automation of repetitive tasks supported and sustained by this flexible and adaptable infrastructure, an infrastructure that essentially forms a software production line. In defining the technology infrastructure, ADP describes necessary features rather than specific tools, thus remaining vendor neutral. Only a basic subset of features that are essential for building an effective infrastructure has been selected. Many existing commercial and non-commercial tools support these, as well as more advanced features. Appendix E contains such a list.

Software Quality Approaches: Testing, Verification, and Validation Practical
Software Engineering presents an introduction to software engineering for a first course. Using the C language, the text stresses the themes of software development by teams; the importance of maintenance; reusability; complete and correct documentation; testing throughout the life cycle; and the use of (CASE) computer-aided software engineering tools to boost productivity. The use of dialogues and a continuous case study enhances understanding of the concepts presented. The text is intended for sophomore to senior level students being introduced to software engineering in computer science, management information systems (MIS), data processing, or wherever students are new to the subject.

Managing IT Performance to Create Business Value 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.

GATE 2019 Computer Science & Information Technology Masterpiece with 10 Practice Sets (6 in Book + 4 Online) 6th edition Project Management for Engineers, as the title suggests, is a direct attempt at addressing the ever-increasing and specific needs for better project management of engineering students, practicing engineers and managers in the industry. It aims not only to present the principles and techniques of Project Management, but also to discuss project management standards, processes and requirements, such as PMBOK, IEEE and PRINCE. Each chapter begins with the basics of the theme being developed at a level understandable to an undergraduate, before more complex topics are introduced at the end of each section that are suitable for graduate students. For the practicing professionals or managers in the industry, the book also provides many real illustrations of practical application of the principles of Project Management. Through a realistic blend of theory and practical examples, as well as an integration of the engineering technical issues with business issues, this book seeks to remove the veil of mystery that has shrouded the profession from its very beginning.

Project Management for Engineers C. Amting Directorate General Information Society, European Commission, Brussels Under the 4th Framework of European Research, the European Systems and Software Initiative (ESSI) was part of the
ESPRIT Programme. This initiative funded more than 470 projects in the area of software and system process improvements. The majority of these projects were process improvement experiments carrying out and taking up new development processes, methods and technology within the software development process of a company. In addition, nodes (centres of expertise), European networks (organisations managing local activities), training and dissemination actions complemented the process improvement experiments. ESSI aimed at improving the software development capabilities of European enterprises. It focused on best practice and helped European companies to develop world class skills and associated technologies to build the increasingly complex and varied systems needed to compete in the marketplace. The dissemination activities were designed to build a forum, at European level, to exchange information and knowledge gained within process improvement experiments. Their major objective was to spread the message and the results of experiments to a wider audience, through a variety of different channels. The European Experience Exchange ~UR~X) project has been one of these dissemination activities within the European Systems and Software Initiative.~UR~X has collected the results of practitioner reports from numerous workshops in Europe and presents, in this series of books, the results of Best Practice achievements in European Companies over the last few years.


Practical Software Engineering

Practical Support for Lean Six Sigma Software Process Definition The Automated Transportation Management System (ATMS) Software Project Management plan (SPMP) is the lead planning document governing the life cycle of the ATMS and its integration into the Transportation Information Network (TIN). This SPMP defines the project tasks, deliverables, and high level schedules involved in developing the client/server ATMS software.

Quality Software Project Management Project management software.

Guide to IBPS & SBI Specialist IT Officer Scale I - 6th Edition A practical, step-by-step guide to total systems management Systems Engineering Management, Fifth Edition is a practical guide to the tools and methodologies used in the field. Using a "total systems management" approach, this book covers everything from initial establishment to system retirement, including design and development, testing, production, operations, maintenance, and support. This new edition has been fully updated to reflect the latest tools and best practices, and includes rich discussion on computer-based modeling and hardware and software systems integration. New case studies illustrate real-world application on both large- and small-scale systems in a variety of industries, and the companion website provides access to bonus case studies and helpful review checklists. The provided instructor's manual eases classroom integration, and updated end-of-chapter questions help reinforce the material. The challenges faced by system engineers are candidly addressed, with full guidance toward the tools they use daily to reduce costs and increase efficiency. System Engineering Management integrates industrial engineering, project management, and leadership skills into a unique emerging field. This book unifies these different skill sets into a single step-by-step approach that produces a well-rounded systems engineering
management framework. Learn the total systems lifecycle with real-world applications. Explore cutting edge design methods and technology. Integrate software and hardware systems for total SEM. Learn the critical IT principles that lead to robust systems. Successful systems engineering managers must be capable of leading teams to produce systems that are robust, high-quality, supportable, cost effective, and responsive. Skilled, knowledgeable professionals are in demand across engineering fields, but also in industries as diverse as healthcare and communications. Systems Engineering Management, Fifth Edition provides practical, invaluable guidance for a nuanced field.

The Software Project Manager's Handbook Managing IT Performance to Create Business Value provides examples, case histories, and current research for critical business issues such as performance measurement and management, continuous process improvement, knowledge management, risk management, benchmarking, metrics selection, and people management. It gives IT executives strategies for improving IT performance and delivering value, plus it guides them in selecting the right metrics for their IT organizations. Additionally, it offers knowledge management strategies to mature an organization, shows how to manage risks to exploit opportunities and prepare for threats, and explains how to baseline an IT organization’s performance and measure its improvement. Consisting of 10 chapters plus appendices, the book begins with an overview of performance-based strategic planning, after which it discusses the development of a quality improvement (QI) plan, establishing benchmarks, and measuring performance improvements. It covers how to design IT-specific measures and financial metrics as well as the establishment of a software measurement program. From there, it moves on to designing people improvement systems and discusses such topics as leadership, motivation, recruitment, and employee appraisal. The final few chapters show how to use balanced scorecards to manage and measure knowledge-based social enterprising and to identify, analyze, and avoid risks. In addition to covering new methods and metrics for measuring and improving IT processes, the author looks at strategies for measuring product development and implementing continuous innovation. The final chapter considers customer value systems and explains how to use force field analysis to listen to customers with the goal of improving customer satisfaction and operational excellence.

Model-Driven Business Process Engineering

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