Software Engineering Book By Pankaj Jalote

Instrumental LivesDalits, Subalternity and Social Change in IndiaKnowledge-Based Processes in Software DevelopmentAPSEC 2006Software Engineering for Modern Web Applications: Methodologies and TechnologiesEmbedded Realtime Systems ProgrammingSoftware EngineeringThe Rise of Fog Computing in the Digital Era36th International Conference on Software Engineering : Proceedings : May 31 - June 7, 2014, Hyderabad, IndiaPANKAJ JALOTE'S SOFTWARE ENGINEERING: A PRECISE APPROACHFrom the Ruins of EmpireHello WorldAn Integrated Approach to Software EngineeringComputing and Software ScienceCMM in PracticeMusic Men Volume 1Component-Based Software EngineeringAn Introduction to Astronomy and AstrophysicsSpacer Engineered FinFET ArchitecturesFault Tolerance in Distributed SystemsPharmaceutical Operations ManagementCryptographic EngineeringPankaj Ghemawat's Distance Still MattersContaminants and Clean TechnologiesMATLAB and SIMULINK (A Basic Understanding for Engineers)Smart Bioremediation TechnologiesEmbedded Realtime Systems ProgrammingCyber SecurityEARTHQUAKE RESISTANT DESIGN OF STRUCTURESBuilding Research Universities in IndiaDharma in AmericaAn Integrated Approach to Software EngineeringSoftware Project Management in PracticeDesign PatternsArtificial IntelligenceIndia, Vietnam and the Indo-PacificA Concise Introduction to Software EngineeringBig

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Instrumental Lives

Smart Bioremediation Technologies: Microbial Enzymes provides insights into the complex behavior of enzymes and identifies metabolites and their degradation pathways. It will help readers work towards solutions for sustainable medicine and environmental pollution. The book highlights the microbial enzymes that have replaced many plant and animal enzymes, also presenting their applications in varying industries, including pharmaceuticals, genetic engineering, biofuels, diagnostics and therapy. In addition, new methods, including genomics and metagenomics, are being employed for the discovery of new enzymes from microbes. This book brings all of these topics together, representing the first resource on how to solve problems in bioremediation. Provides the most novel approaches in enzyme studies Gives insights in real-time enzymology that are correlated with bioremediation Serves as a valuable resource on the use of genomes, transcriptomes and proteomes with bioremediation Refers to enzymes as diagnostic tools

Dalits, Subalternity and Social Change in India

With the emergence of global university rankings,

there is increased interest in research universities. The focus of the higher education system in India has traditionally been on educating students and not on research. However, in the last decade or so, there has been a growing appreciation of research in universities and interest in transforming some of the Indian universities to globally competitive research universities. This is the first book that focuses on building research universities in India. It provides a comprehensive and holistic view of a research university and discusses the key dimensions of such a university, including education, research, PhD programme, faculty management, governance, financing and third mission. This book will be of interest to academicians, academic leaders, policymakers, and those who are involved in developing a university in India.

Knowledge-Based Processes in Software Development

Cyber Security interface are the part of the curriculum for undergraduate and postgraduate courses in Computer Science & Engineering, Information Technology & Computer Applications. The objective of this book is to provide practical approach for real concept of cyber security. This thoughtfully organized book has been designed to provide its reader with sound foundation computer system, network security, cyber security & IT Act. The number of chapters, chapter topics and the contents of each chapter have been carefully chosen to introduce the reader to all important concepts through a single book.

APSEC 2006

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.

Software Engineering for Modern Web Applications: Methodologies and Technologies

An introduction to software engineering with the emphasis on a case study approach in which a project is developed through the course of the book illustrating the different activities of software development. The sequence of chapters is essentially the same as the sequence of activities performed during a typical software project. Similarly, the author carefully introduces appropriate metrics for controlling and assessing the software process. Intended for students who have had no previous training in software engineering, this book is suitable for a one semester course.

Embedded Realtime Systems Programming

This book is for engineers and researchers working in the embedded hardware industry. This book addresses the design aspects of cryptographic hardware and embedded software. The authors provide tutorial-type material for professional

engineers and computer information specialists.

Software Engineering

With the immense growth of information, the prevalence of ubiquitously connected smart devices is rapidly increasing. Providing platforms that support computation, storage, and networking services between end devices is an essential aspect of an expanding digital society. The Rise of Fog Computing in the Digital Era provides innovative insights into the present generation of computing devices, as well as new approaches to computational platforms through fog computing. The content within this publication presents concepts and theories on data analytics, management systems, networking architectures, and many more. It is a vital reference source for IT professionals, computer programmers, software developers, computer engineers, researchers, and upper-level students seeking topics centered on the challenges and benefits of fog computing in mobile environments.

The Rise of Fog Computing in the Digital Era

This book focusses on the spacer engineering aspects of novel MOS-based device–circuit co-design in sub-20nm technology node, its process complexity, variability, and reliability issues. It comprehensively explores the FinFET/tri-gate architectures with their circuit/SRAM suitability and tolerance to random statistical variations.

36th International Conference on Software Engineering : Proceedings : May 31 - June 7, 2014, Hyderabad, India

"This book presents current, effective software engineering methods for the design and development of modern Web-based applications"--Provided by publisher.

PANKAJ JALOTE'S SOFTWARE ENGINEERING: A PRECISE APPROACH

"In this book, the author looks at one such organization, Infosys Technologies, a highly regarded high-maturity organization, and details the processes it has in place to manage projects. Revealing exactly how Infosys operates. The author provides an excellent case study to guide project mangers everywhere. The specific Infosys practices described reflect sound management principles and practices. They are also grounded in common sense, and can be incorporated into any organization's software development operation easily. With an actual software project from Infosys used as a running example, the author explains the key aspects of successful project management -- from process planning through project monitoring and closure. The practices discussed are also compatible with the widely adopted Capability Maturity Model (CMM)." -- BACK COVER.

From the Ruins of Empire

Astronomy is the field of science devoted to the study of astronomical objects, such as stars, galaxies, and nebulae. Astronomers have gathered a wealth of knowledge about the universe through hundreds of years of painstaking observations. These observations are interpreted by the use of physical and chemical laws familiar to mankind. These interpretations supply information about the nature of these astronomical objects, allowing for the deduction of their surface and interior conditions. The science associated with these interpretations is called astrophysics. An Introduction to Astronomy and Astrophysics offers a comprehensive introduction to astronomy and astrophysics, complete with illustrative examples and illuminating homework problems. Requiring a familiarity with basic physics and mathematics, this undergraduate-level textbook: Addresses key physics concepts relevant to stellar observations, including radiation, electromagnetic spectrum, photometry, continuous and discrete spectrum, and spectral lines Describes instruments used for astronomical observations as well as how the radiation received is characterized and interpreted to determine the properties of stars Examines the structure of stars, the basic equations which explain stars in equilibrium, and the fusion reactions occurring in stellar cores Discusses the evolution of stars, the solar system, the dynamics of galaxies, and the fundamentals of modern cosmology Explores the universe at high redshifts, where it is dominated by objects such as active galaxies Solutions manual and figure slides available with qualifying course adoption An Introduction to Astronomy and Astrophysics teaches students how to interpret the night sky, providing

them with a critical understanding of the stars and other heavenly bodies.

Hello World

This is an interestingly conceived book that explains what an embedded realtime system is, the various types of embedded systems, techniques for programming, them and more significantly, the important concepts that are required to be mastered for efficient design and implementation of embedded system software. The book focuses on: Embedded realtime fundamentals from a practitioner's perspective; Engineering perspective to the nitty-gritty (build process, memory management, interrupts) of embedded systems; Healthy mix of concepts of realtime theory and RTOS; Software engineering principles related to requirements, architecture, design and testing.

An Integrated Approach to Software Engineering

This book would be highly useful for graduates who are going to join industry soon and would want to distinguish themselves right from day one, and students aiming to be better software engineers and at par with professionals right from college days. There is a huge gap between how things are taught and learned in college and the way they are applied in industry. For example, one hardly considers aspects like scalability, readability, maintainability, portability, reusability, security concerns, performance, space

and time complexity, or even readability while writing code in college. For most of the students, the main objective is just to display the correct output. After all, thats what you would be evaluated upon. However, theseand moreaspects are crucial when you take the responsibility of writing or evaluating code at a reputed organization whose image is at stake with every single line of code being added to its repository. This book aims to help students understand and realize how the things are done in a more professional manner in the industry and make a smooth transition from campus conditions to corporate environment, at least from a coding perspective.

Computing and Software Science

Fault tolerance is an approach by which reliability of a computer system can be increased beyond what can be achieved by traditional methods. Comprehensive and self-contained, this book explores the information available on software supported fault tolerance techniques, with a focus on fault tolerance in distributed systems.

CMM in Practice

Instrumental Lives is an account of instrument making at the cutting edge of contemporary science and technology in a modern Indian scientific laboratory. For a period of roughly two-and-half decades, starting the late 1980s, a research group headed by CV Dharmadhikari in the physics department at the Savitribai Phule University, Pune, fabricated a range

of scanning tunnelling and scanning force microscopes including the earliest such microscopes made in the country. Not only were these instruments made entirely in-house, research done using them was published in the world's leading peer reviewed journals, and students who made and trained on them went on to become top class scientists in premier institutions. The book uses qualitative research methods such as open-ended interviews, historical analysis and laboratory ethnography that are standard in Science and Technology Studies (STS), to present the micro-details of this instrument making enterprise, the counter-intuitive methods employed, and the unexpected material, human and intellectual resources that were mobilised in the process. It locates scientific research and innovation within the social, political and cultural context of a laboratory's physical location and asks important questions of the dominant narratives of innovation that remain fixated on quantitative metrics of publishing, patenting and generating commerce. The book is a story as much of the lives of instruments and their deaths as it is of the instrumentalities that make those lives possible and allow them to live on, even if with a rather precarious existence.

Music Men Volume 1

Recent growth in knowledge management concepts has played a vital role in the improvement of organizational performance. These knowledge management approaches have been influential in achieving the goal of efficient production of software

development processes. Knowledge-Based Processes in Software Development focuses on the inherent issues to help practitioners in gaining understanding of software development processes. The best practices highlighted in this publication will be essential to software professionals working in the industry as well as students and researchers in the domain of software engineering in order to successfully employ knowledge management procedures.

Component-Based Software Engineering

What will the future be? A dystopian landscape controlled by machines or a brave new world full of possibilities? Perhaps the answer lies with Artificial Intelligence (AI)—a phenomenon much beyond technology that has, continues to, and will shape lives in ways we do not understand yet. This book traces the evolution of AI in contemporary history. It analyses how AI is primarily being driven by "capital" as the only "factor of production" and its consequences for the global political economy. It further explores the dystopian prospect of mass unemployment by AI and takes up the ethical aspects of AI and its possible use in undermining natural and fundamental rights. A tract for the times, this volume will be a major intervention in an area that is heavily debated but rarely understood. It will be essential reading for researchers and students of digital humanities, politics, economics, science and technology studies, physics, and computer science. It will also be key reading for policy makers, cyber

experts and bureaucrats.

An Introduction to Astronomy and Astrophysics

America now is home to approximately five million Hindus and Jains. Their contribution to the economic and intellectual growth of the country is unquestionable. Dharma in America aims to explore the role of Hindu and Jain Americans in diverse fields such as: education and civic engagements medicine and healthcare music. Providing a concise history of Hindus and Jains in the Americas over the last two centuries, Dharma in America also gives some insights into the ongoing issues and challenges these important ethnic and religious groups face in America today.

Spacer Engineered FinFET Architectures

This book delves into the examination of bilateral relations between India and Vietnam in the 21st century and how the Indo-Pacific as a geo-political construct lends itself to the improvement of their engagement. With the rise and increasing assertiveness of China, the slow growth of the United States, the resurgence of Japan, and the oscillating role of ASEAN as a multilateral organization, the Indo-Pacific has emerged as a theatre of international geostrategic competition. This book studies these changing geopolitical realities and new evolving strategic configurations, while addressing political, economic, defence, and strategic aspects of the

relationship along with the role of China and the US in facilitating ties. India's Act East Policy that was upgraded from the Look East Policy – one of the main drivers for India's increasing presence in the Asia-Pacific region – is also examined in this volume. An important intervention in the study of international relations, this book will be indispensable to students and researchers of maritime studies, security studies, politics and international relations, geopolitics, and Asian studies.

Fault Tolerance in Distributed Systems

Process-Centered Software Engineering Environments (PSEEs) represent a new generation of software engineering environments in which the processes used to produce and maintain software products are explicitly modeled in the environment. PSEEs hold the exciting promise of enabling a significant increase in both software productivity and quality. The book presents a comprehensive picture of this emerging technology while highlighting the key concepts and issues. The first chapter introduces some of the basic concepts and developments behind PSEEs and discusses the unifying role it plays in combining project management, software engineering, and process engineering. The second chapter reviews related process modeling and representation concepts, terminology, and issues. Chapter 3 analyzes the features of some example PSEEs and Chapter 4 takes an inside look at the implementation of these features by describing specific design choices made by researchers. The last chapter discusses the

evolution of PSEEs to accommodate practical issues in actual work settings and to play a more significant role in the software life cycle. The text is a collection of influential papers that will bring the newcomer quickly up to speed on this fast-moving field. For the researcher, the issues described in the text present a challenge to be conquered and directions to pursue. For the practitioner, they represent benefits that may be gained in the application of PSEEs in the work environment.

Pharmaceutical Operations Management

On behalf of the Organizing Committee I am pleased to present the proceedings of the 2005 Symposium on Component-Based Software Engineering (CBSE). CBSE is concerned with the development of software-intensive systems from reusable parts (components), the development of reusable parts, and system maintenance and improvement by means of component replacement and c- tomization. CBSE 2005, “Software Components at Work,” was the eighth in a series of events that promote a science and technology foundation for achieving predictable quality in software systems through the use of software component technology and its associated software engineering practices. We were fortunate to have a dedicated Program Committee comprised of 30 internationally recognized researchers and industrial practitioners. We received 91 submissions andeach paper wasreviewedby at least three ProgramComm- tee members (four for papers with an author on the Program Committee). The entirereviewi

ngprocesswassupportedbyCyberChairPro,theWeb-basedpaper submissionandreviewsystemdevelopedandsupportedbyRichardvandeStadt of Borbala Online Conference Services. After a two-day virtual Program C- mittee meeting, 21 submissions were accepted as long papers and 2 submissions were accepted as short papers.

Cryptographic Engineering

Big Data is everywhere. It shapes our lives in more ways than we know and understand. This comprehensive introduction unravels the complex terabytes that will continue to shape our lives in ways imagined and unimagined. Drawing on case studies like Amazon, Facebook, the FIFA World Cup and the Aadhaar scheme, this book looks at how Big Data is changing the way we behave, consume and respond to situations in the digital age. It looks at how Big Data has the potential to transform disaster management and healthcare, as well as prove to be authoritarian and exploitative in the wrong hands. The latest offering from the authors of Artificial Intelligence: Evolution, Ethics and Public Policy, this accessibly written volume is essential for the researcher in science and technology studies, media and culture studies, public policy and digital humanities, as well as being a beacon for the general reader to make sense of the digital age.

Pankaj Ghemawat's Distance Still Matters

The linguistic origin of the term Dalit is Marathi, and pre-dates the militant-intellectual Dalit Panthers movement of the 1970s. It was not in popular use till the last quarter of the 20th century, the origin of the term Dalit, although in the 1930s, it was used as Marathi-Hindi translation of the word "Depressed Classes". The changing nature of caste and Dalits has become a topic of increasing interest in India. This edited book is a collection of originally written chapters by eminent experts on the experiences of Dalits in India. It examines who constitute Dalits and engages with the mainstream subaltern perspective that treats Dalits as a political and economic category, a class phenomenon, and subsumes homogeneity of the entire Dalit population. This book argues that the socio-cultural deprivations of Dalits are their primary deprivations, characterized by heterogeneity of their experiences. It asserts that Dalits have a common urge to liberate from the oppressive and exploitative social arrangement which has been the guiding force of Dalit movement. This book has analysed this movement through three phases: the reformative, the transformative and the confrontationist. An exploration of dynamic relations between subalternity, exclusion and social change, the book will be of interest to academics in the field of sociology, political science and contemporary India.

Contaminants and Clean Technologies

Wilful. Heartbroken. Bullheaded. Humbled. Confused. Sartaj, an amateur boxer and a regular engineer from Haryana, is a conflicted man trying to navigate a

gentler and more modern version of himself down south in India's Silicon Valley. His 20s are riddled with sex, money, liquor and even love. From terrifying nightmares to weird voices in his head, his bizarre experiences make him question his religious and empirical beliefs. At 30, in his search for something meaningful, he surprises himself when he jumps at a strange opportunity to become a vigilante and proudly brands himself a superhero: Badoga. But does he even have a cause? Or is his vanity getting the better of him? Is he the good guy within this new world of the Music Men? Who defines what is moral and whose game is he playing? Has his past left him susceptible to a hero complex? Are the Music Men taking advantage of this? Can he just walk away from the mess he finds himself in or does he continue to spiral further down into the web of Music Men? Join Sartaj as he narrates his adventures with the powerful and mystifying Music Men.

MATLAB and SIMULINK (A Basic Understanding for Engineers)

The goal of this book is to introduce to the students a limited number of concepts and practices which will achieve the following two objectives: Teach the student the skills needed to execute a smallish commercial project. Provide the students necessary conceptual background for undertaking advanced studies in software engineering, through organized courses or on their own. This book focuses on key tasks in two dimensions - engineering and project management - and discusses concepts and

techniques that can be applied to effectively execute these tasks. The book is organized in a simple manner, with one chapter for each of the key tasks in a project. For engineering, these tasks are requirements analysis and specification, architecture design, module level design, coding and unit testing, and testing. For project management, the key tasks are project planning and project monitoring and control, but both are discussed together in one chapter on project planning as even monitoring has to be planned. In addition, one chapter clearly defines the problem domain of Software Engineering, and another Chapter discusses the central concept of software process which integrates the different tasks executed in a project. Each chapter opens with some introduction and clearly lists the chapter goals, or what the reader can expect to learn from the chapter. For the task covered in the chapter, the important concepts are first discussed, followed by a discussion of the output of the task, the desired quality properties of the output, and some practical methods and notations for performing the task. The explanations are supported by examples, and the key learnings are summarized in the end for the reader. The chapter ends with some self-assessment exercises. Finally, the book contains a question bank at the end which lists out questions with answers from major universities.

Smart Bioremediation Technologies

It is clear that the development of large software systems is an extremely complex activity, which is full

of various opportunities to introduce errors. Software engineering is the discipline that provides methods to handle this complexity and enables us to produce reliable software systems with maximum productivity. An Integrated Approach to Software Engineering is different from other approaches because the various topics are not covered in isolation. A running case study is employed throughout the book, illustrating the different activity of software development on a single project. This work is important and instructive because it not only teaches the principles of software engineering, but also applies them to a software development project such that all aspects of development can be clearly seen on a project.

Embedded Realtime Systems Programming

Cyber Security

Capturing a wealth of experience about the design of object-oriented software, four top-notch designers present a catalog of simple and succinct solutions to commonly occurring design problems. Previously undocumented, these 23 patterns allow designers to create more flexible, elegant, and ultimately reusable designs without having to rediscover the design solutions themselves. The authors begin by describing what patterns are and how they can help you design object-oriented software. They then go on to systematically name, explain, evaluate, and catalog recurring designs in object-oriented systems. With

Design Patterns as your guide, you will learn how these important patterns fit into the software development process, and how you can leverage them to solve your own design problems most efficiently. Each pattern describes the circumstances in which it is applicable, when it can be applied in view of other design constraints, and the consequences and trade-offs of using the pattern within a larger design. All patterns are compiled from real systems and are based on real-world examples. Each pattern also includes code that demonstrates how it may be implemented in object-oriented programming languages like C++ or Smalltalk.

EARTHQUAKE RESISTANT DESIGN OF STRUCTURES

MATLAB is a computer-based system designed primarily to assist the academic, research and industrial communities in solving complex technical problems. It is one of the leading software packages for carrying out programming and numerical computations. SIMULINK (Simulation and Link) is a tool integrated within MATLAB to facilitate high-tech solutions to various engineering and scientific problems. This book closes the gap between the software package and its users so that they can succeed easily in today's competitive world. It provides the reader with the requisite understanding of these computational and block diagram environments which may further enhance employment opportunities for professionals in science and various engineering streams.

Building Research Universities in India

The Victorian period, viewed in the West as a time of self-confident progress, was experienced by Asians as a catastrophe. As the British gunned down the last heirs to the Mughal Empire, burned down the Summer Palace in Beijing, or humiliated the bankrupt rulers of the Ottoman Empire, it was clear that for Asia to recover a vast intellectual effort would be required. Pankaj Mishra's fascinating, highly entertaining new book tells the story of a remarkable group of men from across the continent who met the challenge of the West. Incessantly travelling, questioning and agonising, they both hated the West and recognised that an Asian renaissance needed to be fuelled in part by engagement with the enemy. Through many setbacks and wrong turns, a powerful, contradictory and ultimately unstoppable series of ideas were created that now lie behind everything from the Chinese Communist Party to Al Qaeda, from Indian nationalism to the Muslim Brotherhood. Mishra allows the reader to see the events of two centuries anew, through the eyes of the journalists, poets, radicals and charismatics who criss-crossed Europe and Asia and created the ideas which lie behind the powerful Asian nations of the twenty-first century.

Dharma in America

Software development is a complex problem-solving activity with a high level of uncertainty. There are many technical challenges concerning scheduling, cost estimation, reliability, performance, etc, which

are further aggravated by weaknesses such as changing requirements, team dynamics, and high staff turnover. Thus the management of knowledge and experience is a key means of systematic software development and process improvement. "Managing Software Engineering Knowledge" illustrates several theoretical examples of this vision and solutions applied to industrial practice. It is structured in four parts addressing the motives for knowledge management, the concepts and models used in knowledge management for software engineering, their application to software engineering, and practical guidelines for managing software engineering knowledge. This book provides a comprehensive overview of the state of the art and best practice in knowledge management applied to software engineering. While researchers and graduate students will benefit from the interdisciplinary approach leading to basic frameworks and methodologies, professional software developers and project managers will also profit from industrial experience reports and practical guidelines.

An Integrated Approach to Software Engineering

This is an interestingly conceived book that explains what an embedded realtime system is, the various types of embedded systems, techniques for programming, them and more significantly, the important concepts that are required to be mastered for efficient design and implementation of embedded system software. The book focuses on:Embedded

realtime fundamentals from a practitioner s perspective; Engineering perspective to the nitty-gritty (build process, memory management, interrupts) of embedded systems; Healthy mix of concepts of realtime theory and RTOS; Software engineering principles related to requirements, architecture, design and testing.

Software Project Management in Practice

The papers of this volume focus on the foundational aspects of computer science, the thematic origin and stronghold of LNCS, under the title “Computing and Software Science: State of the Art and Perspectives”. They are organized in two parts: The first part, Computation and Complexity, presents a collection of expository papers on fashionable themes in algorithmics, optimization, and complexity. The second part, Methods, Languages and Tools for Future System Development, aims at sketching the methodological evolution that helps guaranteeing that future systems meet their increasingly critical requirements. Chapter 3 is available open access under a Creative Commons Attribution 4.0 International License via link.springer.com.

Design Patterns

Artificial Intelligence

This comprehensive and well-organized book presents

the concepts and principles of earthquake resistant design of structures in an easy-to-read style. The use of these principles helps in the implementation of seismic design practice. The book adopts a step-by-step approach, starting from the fundamentals of structural dynamics to application of seismic codes in analysis and design of structures. The text also focusses on seismic evaluation and retrofitting of reinforced concrete and masonry buildings. The text has been enriched with a large number of diagrams and solved problems to reinforce the understanding of the concepts. Intended mainly as a text for undergraduate and postgraduate students of civil engineering, this text would also be of considerable benefit to practising engineers, architects, field engineers and teachers in the field of earthquake resistant design of structures.

India, Vietnam and the Indo-Pacific

An introductory course on Software Engineering remains one of the hardest subjects to teach largely because of the wide range of topics the area encpasses. I have believed for some time that we often tend to teach too many concepts and topics in an introductory course resulting in shallow knowledge and little insight on application of these concepts. And Software Engineering is ?nally about application of concepts to e?ciently engineer good software solutions. Goals I believe that an introductory course on Software Engineering should focus on imparting to students the knowledge and skills that are needed to successfully execute a commercial project of a few

person-months e?ort while employing proper practices and techniques. It is worth pointing out that a vast majority of the projects executed in the industry today fall in this scope—executed by a small team over a few months. I also believe that by carefully selecting the concepts and topics, we can, in the course of a semester, achieve this. This is the motivation of this book. The goal of this book is to introduce to the students a limited number of concepts and practices which will achieve the following two objectives: – Teach the student the skills needed to execute a smallish commercial project.

A Concise Introduction to Software Engineering

"Distance Still Matters" is an influential Harvard Business Review article. In this work, Ghemawat proposes the CAGE distance framework that allows firms to consider four dimensions of international distance (cultural, administrative, geographic, and economic) when planning global expansion. Then, he demonstrates the usefulness of the framework with a practical case of a company that identified a better market for expansion by factoring in the effects of distance. "Distance Still Matters" is considered a seminal work in international business literature and a major contribution to the globalization debate that appears on the core reading list of most international business courses.

Big Data

Project initiation; Project planning; Project execution and termination.

Process-centered Software Engineering Environments

Contaminants and Clean Technologies provides valuable information on environmental contaminants such as industrial pollutants, micropollutants, pesticides, endocrine disruptors, pharmaceuticals, toxins, and hormones. It focuses on the various types of environmental contaminants discharged from various sources; their toxicological effects in environments, humans, animals, and plants; and their removal methods. It also covers, comprehensively, information on the contaminants released by various industries and agricultural practices, which cause severe threats to the environment. Features of the book: Elucidates systematic information on various types of environmental contaminants, and their fate and consequences Discusses contaminants such as endocrine disruptors, pharmaceutical waste, and personal care products Provides an overview of physicochemical and biological treatment technologies for sustainable development Details recent research finding in the area of environmental contaminants and their future challenges

Managing Software Engineering Knowledge

This book brings together a winning team of international operations experts to set the framework

for building a world-class manufacturing organization. Pharmaceutical Operations Management focuses on key concepts such as: Policy Execution, Risk Management, Supply chain modeling, Advance process control and Six Sigma for the pharmaceutical industry: critical techniques which will offset cost, increase efficiency and turn any manufacture into financial winner.

ROMANCE ACTION & ADVENTURE MYSTERY & THRILLER BIOGRAPHIES & HISTORY CHILDREN'S YOUNG ADULT FANTASY HISTORICAL FICTION HORROR LITERARY FICTION NON-FICTION SCIENCE FICTION