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Information Technology for Management -

Efrain Turban 2021-04-06

Information Technology for Management, 12 Edition provides students with a comprehensive understanding of the latest technological developments in IT and the critical drivers of business performance, growth, and sustainability. Integrating feedback from IT

managers and practitioners from top-level organizations worldwide, the newest edition of this well-regarded textbook features thoroughly revised content throughout to present students with a realistic, up-to-date view of IT management in the current business environment. The text offers a flexible, student-friendly presentation of the material through a

pedagogy that is designed to help students with different learning styles easily comprehend and retain information. This blended learning approach combines visual, textual, and interactive content—featuring numerous real-world case studies of how businesses use IT to increase efficiency and productivity, strengthen collaboration and communication, and maximize their competitive advantage. Students learn how IT is leveraged to reshape enterprises, engage and retain customers, optimize systems and processes, manage business relationships and projects, and more.

AS Level ICT for AQA - Sharon Yull 2003

This student text provides complete coverage of the AQA specifications at AS level. A task driven approach ensures that the student is able to understand the role and use of information and communication technology within organisations and society.

Computer Science Handbook - Allen B. Tucker
2004-06-28

When you think about how far and fast computer science has progressed in recent years, it's not hard to conclude that a seven-year old handbook may fall a little short of the kind of reference today's computer scientists, software engineers, and IT professionals need. With a broadened scope, more emphasis on applied computing, and more than 70 chap

Computers and Networks in the Age of Globalization - Leif Bloch Rasmussen 2013-04-17

In modernity, an individual identity was constituted from civil society, while in a globalized network society, human identity, if it develops at all, must grow from communal resistance. A communal resistance to an abstract conceptualised world, where there is no possibility for perception and experience of power and therefore no possibility for human choice and action, is of utmost importance for the constituting of human choosers and actors. This book therefore sets focus on those human choosers and actors wishing to read and enjoy

the papers as they are actually perceiving and experiencing their lives in a diversity of social and cultural contexts. In so doing, the book tries to imagine in what kind of networks humans may choose and act based on the knowledge and empirical evidence presented in the papers. The topics covered in the book include: People and Their Changing Values. Citizens in a Network Society. The Individual and Knowledge Based Organisations. Human Responsibility and Technology. Exclusion and Regeneration. This valuable new book contains the edited proceedings of the Fifth World Conference on Human Choice and Computers (HCC-5), which was sponsored by the International Federation for Information Processing (IFIP) and held in Geneva, Switzerland in August 1998. Since the first HCC conference in 1974, IFIP's Technical Committee 9 has endeavoured to set the agenda for human choices and human actions vis-à-vis computers.

World of Computing - Gerard O'Regan

2018-04-17

This engaging work provides a concise introduction to the exciting world of computing, encompassing the theory, technology, history, and societal impact of computer software and computing devices. Spanning topics from global conflict to home gaming, international business, and human communication, this text reviews the key concepts unpinning the technology which has shaped the modern world. Topics and features: introduces the foundations of computing, the fundamentals of algorithms, and the essential concepts from mathematics and logic used in computer science; presents a concise history of computing, discussing the historical figures who made important contributions, and the machines which formed major milestones; examines the fields of human-computer interaction, and software engineering; provides accessible introductions to the core aspects of programming languages, operating systems, and databases; describes the

Internet revolution, the invention of the smartphone, and the rise of social media, as well as the Internet of Things and cryptocurrencies; explores legal and ethical aspects of computing, including issues of hacking and cybercrime, and the nature of online privacy, free speech and censorship; discusses such innovations as distributed systems, service-oriented architecture, software as a service, cloud computing, and embedded systems; includes key learning topics and review questions in every chapter, and a helpful glossary. Offering an enjoyable overview of the fascinating and broad-ranging field of computing, this easy-to-understand primer introduces the general reader to the ideas on which the digital world was built, and the historical developments that helped to form the modern age.

Human Values & Professional Ethics -

New Perspectives on Technology, Values, and Ethics - Wenceslao J. Gonzalez 2015-10-08

This book focuses on a key issue today: the role of values in technology, with special emphasis on ethical values. This topic involves the analysis of internal values in technology (as they affect objectives, processes, and outcomes) and the study of external values in technology (social, cultural, economic, ecological, etc.). These values — internal and external — are crucial to the decision making of engineers. In addition, they have increasing relevance for citizens concerned with the present and future state of technology, which gives society a leading position in technological issues. The book follows three main lines of research: 1) new perspectives on technology, values, and ethics; 2) rationality and responsibility in technology; and 3) technology and risks. This volume analyzes the two main sides involved here: the theoretical basis for the role of values in technology and a practical discussion on how to implement them in our society. Thus, the book is of interest for philosophers, engineers,

academics of different fields and policy-makers. The style used lends itself to broad audience.

Perspectives and Policies on ICT in Society - Jacques Berleur 2006-01-20

Governments, the media, the information technology industry and scientists publicly argue that information and communication technologies (ICT) will bring about an inevitable transition from "industrial" to "information" or "knowledge-based" economies and societies. It is assumed that all aspects of our economic and social lives, in both the public and private spheres, will be radically different from what they are today. The World Summit on the Information Society (Geneva 2003 - Tunis 2005) shows the importance of a worldwide reflection on those topics. Perspectives and Policies on ICT in Society explores the ICT policies of different nations and regions such as Africa, China, Europe, and India. The authors assess the arguments surrounding the impending new age, as well as some of the more sensitive issues of

its developments. This progress will signal an expansion of ICT in many domains - the so-called ubiquity - such as in the workplace, the home, government, and education and it will affect privacy and professional ethics. The expansion will also encompass all parts of the earth, particularly developing countries. Such growth must take place in the context of historical dimensions and should underscore the accountability of professionals in the field. The intent of this book is to address these issues and to serve as a handbook of IFIP's TC9 "Computers and Society" committee. Thirty authors from twelve countries consider the ICT policies with their associated perspectives and they explore what may be the information age and the digital society of tomorrow. The book provides reflection on today's complex society and addresses the uncertain developments rising from an increasingly global and technologically connected world. Jacques Berleur is at the University of Namur, Belgium, and Chrisanthi

Avgerou at the London School of Economics,
United Kingdom.

Privacy and Protection of Personal Information
in Europe - United States. Congress. Senate.
Committee on Government Operations 1975

**A Textbook of Environmental Chemistry and
Pollution Control** - SS Dara | DD Mishra 2006

The Progress and Prosperity of any country
mainly depend upon the quality of its human
resource, which in turn, depends upon the quality
of its educational system. Higher and technical
education, being at the apex of the pyramid of
education, play a major role in the overall
development of any country. One of the major
drawbacks of the higher and technical education
in our country, is the palpable gap between the
world of learning and the world of work.

The Responsible Software Engineer - Colin
Myers 2012-12-06

You might expect that a person invited to
contribute a foreword to a book on the 1 subject

of professionalism would himself be a
professional of exemplary standing. I am
gladdened by that thought, but also disquieted.
The disquieting part of it is that if I am a
professional, I must be a professional something,
but what? As someone who has tried his best for
the last thirty years to avoid doing anything
twice, I lack one of the most important
characteristics of a professional, the dedicated
and persistent pursuit of a single direction. For
the purposes of this foreword, it would be handy
if I could think of myself as a professional
abstractor. That would allow me to offer up a
few useful abstractions about professionalism,
patterns that might illuminate the essays that
follow. I shall try to do this by proposing three
successively more complex models of
professionalism, ending up with one that is
discomfortingly soft, but still, the best
approximation I can make of what the word
means to me. The first of these models I shall
designate Model Zero. I intend a pejorative

sense to this name, since the attitude represented by Model Zero is retrograde and offensive ... but nonetheless common. In this model, the word "professionalism" is a simple surrogate for compliant uniformity.

A Brief History of Computing - Gerard O'Regan
2021-04-28

This lively and fascinating text traces the key developments in computation - from 3000 B.C. to the present day - in an easy-to-follow and concise manner. Topics and features: ideal for self-study, offering many pedagogical features such as chapter-opening key topics, chapter introductions and summaries, exercises, and a glossary; presents detailed information on major figures in computing, such as Boole, Babbage, Shannon, Turing, Zuse and Von Neumann; discusses the earliest computers developed in the United States, Germany and Britain; discusses the development of the IBM 360 family of computers and its importance; discusses the invention of the transistor and integrated circuit;

discusses the birth of the software industry and the evolution of human-computer interaction; reviews the history of programming languages, operating systems and software engineering; discusses the progress of artificial intelligence; discusses the invention of the microprocessor and the development of home and personal computers; examines the impact on society of the introduction of the personal computer, the World Wide Web, and the development of mobile phone technology; discusses smart phones and social media and the challenge of fake news; reviews a miscellany of innovations in the computing field such as cloud computing, the Internet of Things, and Quantum Computing; discusses legal aspects of computing and the professional responsibilities of computer professionals.

Databases Illuminated - Catherine M. Ricardo
2015-08-24

Databases Illuminated, Third Edition Includes Navigate 2 Advantage Access combines database

theory with a practical approach to database design and implementation. Strong pedagogical features, including accessible language, real-world examples, downloadable code, and engaging hands-on projects and lab exercises create a text with a unique combination of theory and student-oriented activities. Providing an integrated, modern approach to databases, *Databases Illuminated, Third Edition* is the essential text for students in this expanding field.

Computer Ethics and Professional Responsibility - Terrell Ward Bynum
2003-09-11

This clear and accessible textbook and its associated website offer a state of the art introduction to the burgeoning field of computer ethics and professional responsibility. Includes discussion of hot topics such as the history of computing; the social context of computing; methods of ethical analysis; professional responsibility and codes of ethics; computer

security, risks and liabilities; computer crime, viruses and hacking; data protection and privacy; intellectual property and the “open source” movement; global ethics and the internet. Introduces key issues and concepts at the start of each section, and features classroom-tested study questions, and lists of useful websites and further reading. Provides a wealth of relevant case studies, and an easy-to-learn case-analysis technique. Is accompanied by a website, offering sample student answers, additional study questions, example case analyses, and discussion forums. Visit the website at

www.southernct.edu/organizations/RCCS/Textbook

Ethics and Technology - Herman T. Tavani
2011

Offering insights and coverage of the field of cyberethics, this book introduces readers to issues in computer ethics. The author combines his years of experience in the field with coverage

of concepts and real-world case studies.

The Blackwell Guide to the Philosophy of Computing and Information - Luciano Floridi
2008-04-15

This Guide provides an ambitious state-of-the-art survey of the fundamental themes, problems, arguments and theories constituting the philosophy of computing. A complete guide to the philosophy of computing and information. Comprises 26 newly-written chapters by leading international experts. Provides a complete, critical introduction to the field. Each chapter combines careful scholarship with an engaging writing style. Includes an exhaustive glossary of technical terms. Ideal as a course text, but also of interest to researchers and general readers.

The Electronic Health Record - Eike-Henner W. Kluge
2020-03-13

The Electronic Health Record: Ethical Considerations analyses the ethical issues that surround the construction, maintenance, storage, use, linkage, manipulation and

communication of electronic health records. Its purpose is to provide ethical guidance to formulate and implement policies at the local, national and global level, and to provide the basis for global certification in health information ethics. Electronic health records (EHRs) are increasingly replacing the use of paper-based records in the delivery of health care. They are integral to providing eHealth, telehealth, mHealth and pHealth - all of which are increasingly replacing direct and personal physician-patient interaction - as well as in the developing field of artificial intelligence and expert systems in health care. The book supplements considerations that are raised by national and international regulations dealing with electronic records in general, for instance the General Data Protection Regulation of the European Union. This book is a valuable resource for physicians, health care administrators and workers, IT service providers and several members of biomedical field who are

interested in learning more about how to ethically manage health data. Provides examples to explain the various points made in each chapter to increase the readability of the book and provide, in more familiar terms, illustrations of the reasoning that is advanced Encompasses several diagrams to illustrate the logical structure of the ethical relationships that are discussed in the various chapters and to show how they are related to the decision making process Presents a glossary to provide short definitions for some of the more technical terms used in the book

Understanding Information Technology - Stephen Doyle 2000

Covers material needed for the Advanced Subsidiary (AS) and Advanced Level (A2) qualifications in ICT and is mapped to the AQA syllabuses. (introd.).

A Pathology of Computer Viruses - David Ferbrache 2012-12-06

The 1980's saw the advent of widespread (and

potentially damaging) computer virus infection of both personal computer and mainframe systems. The computer security field has been comparatively slow to react to this emerging situation. It is only over the last two years that a significant body of knowledge on the operation, likely evolution and prevention of computer viruses has developed. A Pathology of Computer Viruses gives a detailed overview of the history of the computer virus and an in-depth technical review of the principles of computer virus and worm operation under DOS, Mac, UNIX and DEC operating systems. David Ferbrache considers the possible extension of the threat to the mainframe systems environment and suggests how the threat can be effectively combatted using an antiviral management plan. The author addresses the latest developments in "stealth" virus operations, specifically the trend for virus authors to adopt extensive camouflage and concealment techniques, which allow viruses to evade both existing anti-viral software

and to avoid detection by direct observation of machine behaviour. A Pathology of Computer Viruses addresses a distinct need - that of the computer specialist and professional who needs a source reference work detailing all aspects of the computer virus threat.

Failsafe IS Project Delivery - Andrew Holmes
2018-02-05

This title was first published in 2001. Based on research and practical experience, this text highlights the contributory factors leading to project failure. The business-IT culture gap, information politics, escalating commitment, the problem of high investment and low return, and accountability for failure are all covered.

Ethical Engineering for International Development and Environmental Sustainability

- Marion Hersh 2015-03-20

Ensuring that their work has a positive influence on society is a responsibility and a privilege for engineers, but also a considerable challenge. This book addresses the ways in which

engineers meet this challenge, working from the assumption that for a project to be truly ethical both the undertaking itself and its implementation must be ethically sound. The contributors discuss varied topics from an international and interdisciplinary perspective, including | robot ethics; | outer space; | international development; | internet privacy and security; | green branding; | arms conversion; | green employment; and | deliberate misinformation about climate change Important questions are answered, such as | what is meant by engineering ethics and its practical implications; | how decisions made by engineers in their working lives make an impact at the global as well as the local level; and | what ethics-related questions should be asked before making such decisions. Ethical Engineering for International Development and Environmental Sustainability will be a valuable resource for practising and student engineers as well as all who are interested in professional ethics,

especially as it relates to engineering. Researchers and policy makers concerned with the effects of engineering decisions on environmental sustainability and international stability will find this book to be of special interest.

Surveillance Technology, 1976 - United States. Congress. Senate. Committee on the Judiciary. Subcommittee on Constitutional Rights 1976

Ethics and Electronic Information - Barbara Rockenbach 2015-10-03

Stephen Almagno's career as a professor of library science began at the University of Pittsburgh in 1971. In 1990, he became the first professor in the United States to teach an information ethics course in a library and information science program. Almagno's work in the area of information ethics was recognized at the 2001 "Ethics of Electronic Information in the 21st Century" symposium held at the University of Memphis on October 18-21, 2001, upon the

occasion of his retirement from the University of Pittsburgh. The essays in this book were presented at the symposium honoring Almagno. The first section of the book features papers that pay special tribute to Almagno. The second contains papers on library issues and ethics, such as the ethics of electronic information in China and eastern Europe, the organizations that represent information professionals, the ethics of user privacy in the digital library, and ethical implications of e-commerce, to name just a few. The third section covers topical issues, such as Internet plagiarism, ethical hacking and the security justification, social democracy and information media policy, and the ethics of dialogue, among others.

Professional Issues in Information Technology - Frank Bott 2005-05-20

Professional IT practitioners need not only the appropriate technical skills, but also a broad understanding of the context in which they operate. This book provides a unique

introduction to: social, legal, financial, organizational and ethical issues in the context of the IT industry; the role of professional codes of conduct and ethics; and key legislation. It is designed to accompany the BCS Professional Examination Core Diploma Module: Professional Issues in Information Systems Practice.

Cryptography: Policy and Algorithms -

Edward Pyle Dawson 1996-01-24

This book constitutes the refereed proceedings of the International Conference 'Cryptography: Policy and Algorithms', held in Brisbane, Queensland, Australia in July 1995. Over the past few years, issues relating to cryptography policy have made headline news, particularly those concerned with the rights to privacy of the individual, who may choose to use cryptographic systems to maintain confidentiality, against the needs of legal authorities to conduct wiretapping to help combat crime. The 27 revised full contributions in this volume are devoted to both crypto policy matters and the related theory and

applications of cryptographic algorithms. The volume is of relevance to cryptology researchers and professionals in industry and administration.

Reflections on Artificial Intelligence - Blay Whitby 1996

The development of Artificial Intelligence has brought with it many new questions, not least the legal, moral and ethical implications of the technology. This book not only looks at present-day answers to questions but offers much original material. Some of the material may seem controversial at present. Nevertheless, as the questions posed are tested in real life, the author believes many of the ideas may soon become the accepted wisdom. This book will interest those studying Information Technology, Artificial Intelligence, Cognitive Science, as well as Philosophy and Jurisprudence. In addition, the ideas are highly relevant to legal professionals who are likely to be involved in the implications of computer technology, now and in the future.

Innovations Through Information

Technology - Information Resources Management Association. International Conference 2004-01-01

Innovations Through Information Technology aims to provide a collection of unique perspectives on the issues surrounding the management of information technology in organizations around the world and the ways in which these issues are addressed. This valuable book is a compilation of features including the latest research in the area of IT utilization and management, in addition to being a valuable source in support of teaching and research agendas.

Computer Ethics - Tom Forester 1994

Widely acclaimed for its readability and its balanced and authoritative coverage, Computer Ethics has been thoroughly revised and updated with new anecdotes, new revelations, and lively discussion of the ethical, social, and professional issues arising from the computer revolution, such as computer crime, software theft, hacking,

viruses, and the invasion of privacy.

Encyclopedia of Business Ethics and Society

- Robert W. Kolb 2008

This encyclopedia spans the relationships among business, ethics and society, with an emphasis on business ethics and the role of business in society.

Cyberwar, Cyberterror, Cybercrime - Julie E. Mehan 2009

CyberWar, CyberTerror, CyberCrime provides a stark and timely analysis of the increasingly hostile online landscape that today's corporate systems inhabit, and gives a practical introduction to the defensive strategies that can be employed in response.

Information Security and Ethics: Concepts, Methodologies, Tools, and Applications - Nemati, Hamid 2007-09-30

Presents theories and models associated with information privacy and safeguard practices to help anchor and guide the development of technologies, standards, and best practices.

Provides recent, comprehensive coverage of all issues related to information security and ethics, as well as the opportunities, future challenges, and emerging trends related to this subject.

Academy & the Internet - Helen Fay Nissenbaum 2004

This book explores the impact of the Internet on scholarly research across and beyond the social sciences. The contributors - leading figures in a broad spectrum of disciplines - explain how their fields of inquiry are being redefined, and what issues of social change are salient as new information technologies increasingly become the subject of scholarly analysis. They have rendered a conceptual photograph of how their disciplines are coping with the impact of information technology by covering policy approaches, empirical research, and theoretical questions. *Academy & the Internet* highlights significant zones of inquiry and provides a critical perspective on the direction each discipline is traveling.

Computing Handbook, Third Edition - Teofilo Gonzalez 2014-05-07

Computing Handbook, Third Edition: Computer Science and Software Engineering mirrors the modern taxonomy of computer science and software engineering as described by the Association for Computing Machinery (ACM) and the IEEE Computer Society (IEEE-CS). Written by established leading experts and influential young researchers, the first volume of this popular handbook examines the elements involved in designing and implementing software, new areas in which computers are being used, and ways to solve computing problems. The book also explores our current understanding of software engineering and its effect on the practice of software development and the education of software professionals. Like the second volume, this first volume describes what occurs in research laboratories, educational institutions, and public and private organizations to advance the effective

development and use of computers and computing in today's world. Research-level survey articles provide deep insights into the computing discipline, enabling readers to understand the principles and practices that drive computing education, research, and development in the twenty-first century.

Ethics of Computing - Jacques J. Berleur
2016-01-09

This major reference work represents the first attempt to confront, on a world-wide basis, the way computer associations face up to their own responsibilities in an age increasingly dominated by information and communication technology. The book deals with the codes of ethics and conduct, and related issues. It is the first book to deal with homogenous codes namely codes of national computer societies. Some thirty codes are compared and analysed in depth. To put these into perspective, there are discussion papers covering the methodological, philosophical and organisational issues.

'A' Level ICT - Pat M. Heathcote 2003

This text is designed to cover the AQA A-Level Information and Communication Technology syllabus. It is divided into five sections, each covering the material for one of the four Theory modules, with an extra section giving advice on project work.

Cybersecurity Ethics - Mary Manjikian
2017-10-25

This new textbook offers an accessible introduction to the topic of cybersecurity ethics. The book is split into three parts. Part I provides an introduction to the field of ethics, philosophy and philosophy of science, three ethical frameworks - virtue ethics, utilitarian ethics and communitarian ethics - and the notion of ethical hacking. Part II applies these frameworks to particular issues within the field of cybersecurity, including privacy rights, intellectual property and piracy, surveillance, and cyberethics in relation to military affairs. The third part concludes by exploring current

codes of ethics used in cybersecurity. The overall aims of the book are to: provide ethical frameworks to aid decision making; present the key ethical issues in relation to computer security; highlight the connection between values and beliefs and the professional code of ethics. The textbook also includes three different features to aid students: 'Going Deeper' provides background information on key individuals and concepts; 'Critical Issues' features contemporary case studies; and 'Applications' examine specific technologies or practices which raise ethical issues. The book will be of much interest to students of cybersecurity, cyberethics, hacking, surveillance studies, ethics and information science.

[AQA A level Computer Science](#) - Bob Reeves
2015-07-24

This title has been approved by AQA for use with the new AS and A-level AQA Computer Science specifications. AQA A-level Computer Science gives students the chance to think creatively and

progress through the AQA AS and A-level Computer Science specifications. Detailed coverage of the specifications will enrich understanding of the fundamental principles of computing, whilst a range of activities help to develop the programming skills and computational thinking skills at A-level and beyond. - Enables students to build a thorough understanding of the fundamental principles in the AQA AS and A-Level Computer Science specifications, with detailed coverage of programming, algorithms, data structures and representation, systems, databases and networks, uses and consequences. - Helps to tackle the various demands of the course confidently, with advice and support for programming and theoretical assessments and the problem-solving or investigative project at A-level. - Develops the programming and computational thinking skills for A-level and beyond - frequent coding and question practice will help students apply their knowledge of the

principles of computer science, and design, program and evaluate problem-solving computer systems. Bob Reeves is an experienced teacher with examining experience, and well-respected author of resources for Computing and ICT across the curriculum.

BTEC National for IT Practitioners: Core units -

Sharon Yull 2009-06-04

BTEC National for IT Practitioners has been written specifically to cover the compulsory core units and selected specialist units of the BTEC National specifications. This book provides core unit coverage for students following all courses within the new scheme - National Awards, National Certificates and National Diplomas. When used alongside its companions for the business and systems support pathways, this series delivers the most accessible and usable student textbooks available for the BTEC National. Units covered: Unit 1 - Communication and Employability Skills Unit 8 - Communication Technologies Unit 2 - Computer Systems Unit 15

- Organizational Systems Security Unit 3 - Information Systems Unit 18 - Principles of Software Design and Development Unit 7 - IT Systems Analysis and Design Unit 21 - Website Production and Management Written by an experienced tutor, each unit is illustrated with assessment activities, end-of-chapter questions, case studies and practical exercises. The result is a clear, straightforward textbook that encourages independent study and acts as a reference to various topics within the qualification.

Information Security - the Next Decade - Jan H.P. Eloff 2016-01-09

These are the proceedings of the Eleventh International Information Security Conference which was held in Cape Town, South Africa, May 1995. This conference addressed the information security requirements of the next decade and papers were presented covering a wide range of subjects including current industry expectations and current research aspects. The evolutionary

development of information security as a professional and research discipline was discussed along with security in open distributed systems and security in groupware.

Concise Guide to Software Engineering -

Gerard O'Regan 2022-09-24

This textbook presents a concise introduction to the fundamental principles of software engineering, together with practical guidance on how to apply the theory in a real-world, industrial environment. The wide-ranging coverage encompasses all areas of software design, management, and quality. Topics and features: presents a broad overview of software engineering, including software lifecycles and phases in software development, and project management for software engineering; examines the areas of requirements engineering, software configuration management, software inspections, software testing, software quality assurance, and process quality; covers topics on software metrics and problem solving, software

reliability and dependability, and software design and development, including Agile approaches; explains formal methods, a set of mathematical techniques to specify and derive a program from its specification, introducing the Z specification language; discusses software process improvement, describing the CMMI model, and introduces UML, a visual modelling language for software systems; reviews a range of tools to support various activities in software engineering, and offers advice on the selection and management of a software supplier; describes such innovations in the field of software as distributed systems, service-oriented architecture, software as a service, cloud computing, and embedded systems; includes key learning topics, summaries and review questions in each chapter, together with a useful glossary. This practical and easy-to-follow textbook/reference is ideal for computer science students seeking to learn how to build high quality and reliable software on time and on

budget. The text also serves as a self-study

primer for software engineers, quality professionals, and software managers.