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KEY=CHAUHAN - JOSEPH COOPER

SOFTWARE TESTING

PRINCIPLES AND PRACTICES

Software Testing is specially developed to serve as a text book for the undergraduate and postgraduate students of Computer Science Engineering and Information Technology. The book focusses on software testing as not just being the phase of software development life cycle but a completeprocess to fulfill the demand of quality software. Written in a very lucid style with crisp and to-the-point descriptions, the book covers chapters on the various software testing methodologies, test management, software metrics, software quality assurance, test automation, object-oriented testing and debugging. It also describes all the methods fortest case design which is the prime issue for software testing. The book is interactive and includes a large number of test cases, examples, MCQs and unsolved problems for practice.

SOFTWARE TESTING

PRINCIPLES AND PRACTICES

PRINCIPLES OF OPERATING SYSTEMS

Oxford University Press, USA **Divided into eight parts, the book tries to provide a comprehensive coverage of topics, beginning with OS architectures and then moving on to process scheduling, inter-process communication and synchronization, deadlocks, and multi-threading. Under the part on memory management, basic memory management and virtual memory are discussed. These are followed by chapters on file management and I/O management. Security and protection of operating systems are also discussed in detail. Further, advanced OSs such as distributed, multi-processor, real-time, mobile, and multimedia OSs are presented. Android OS, being one of the most popular, is discussed under mobile operating systems. The last part of the book discusses shell programming, which will help students perform the lab experiments for this course. The first six parts contain case studies on UNIX, Solaris, Linux, and Windows.**

SOFTWARE ENGINEERING

PROCEEDINGS OF CSI 2015

Springer **This book presents selected proceedings of the annual convention of the Computer Society of India. Divided into 10 topical volumes, the proceedings present papers on state-of-the-art research, surveys, and succinct reviews. They cover diverse topics ranging from communications networks to big data analytics, and from system architecture to cyber security. This book focuses on Software Engineering, and informs readers about the state of the art in software engineering by gathering high-quality papers that represent the outcomes of consolidated research and innovations in Software Engineering and related areas. In addition to helping practitioners and researchers understand the chief issues involved in designing, developing, evolving and validating complex software systems, it provides comprehensive information on developing professional careers in Software Engineering. It also provides insights into various research issues such as software reliability, verification and validation, security and extensibility, as well as the latest concepts like component-based development, software process models, process-driven systems and human-computer collaborative systems.**

TOWARDS EXTENSIBLE AND ADAPTABLE METHODS IN COMPUTING

Springer **This book addresses extensible and adaptable computing, a broad range of methods and techniques used to systematically tackle the future growth of systems and respond proactively and seamlessly to change. The book is divided into five main sections: Agile Software Development, Data Management, Web Intelligence, Machine Learning and Computing in Education. These sub-domains of computing work together in mutually complementary ways to build systems and applications that scale well, and which can successfully meet the demands of changing times and contexts. The topics under each track have been carefully selected to highlight certain qualitative aspects of applications and systems, such as scalability, flexibility, integration, efficiency and context awareness. The first section**

(Agile Software Development) includes six contributions that address related issues, including risk management, test case prioritization and tools, open source software reliability and predicting the change proneness of software. The second section (Data Management) includes discussions on myriad issues, such as extending database caches using solid-state devices, efficient data transmission, healthcare applications and data security. In turn, the third section (Machine Learning) gathers papers that investigate ML algorithms and present their specific applications such as portfolio optimization, disruption classification and outlier detection. The fourth section (Web Intelligence) covers emerging applications such as metaphor detection, language identification and sentiment analysis, and brings to the fore web security issues such as fraud detection and trust/reputation systems. In closing, the fifth section (Computing in Education) focuses on various aspects of computer-aided pedagogical methods.

SOFTWARE TESTING

PRINCIPLES AND PRACTICE

Pearson Education India **"Software Testing: Principles and Practices is a comprehensive treatise on software testing. It provides a pragmatic view of testing, addressing emerging areas like extreme testing and ad hoc testing"--Resource description page.**

SOFTWARE TESTING CONCEPTS AND TOOLS

Dreamtech Press **Software Testing Concepts and Tools provide experience-based practices and key concepts that can be used by any organization to implement a successful and efficient testing process. This book provides experience-based practices and key concepts that can be used by an organization to implement a successful and efficient testing process. The prime aim of this book is to provide a distinct collection of technologies and discussions that are directly applicable in software development organizations to improve the quality and avoid major mistakes and human errors.· Software Engineering Evaluation· System Testing Process· WinRunner 8.0· QTP 8.2· LoadRunner 8.0· TestDirector 8.0**

SOFTWARE TESTING AND QUALITY ASSURANCE

THEORY AND PRACTICE

John Wiley & Sons **A superior primer on software testing and quality assurance, from integration to execution and automation This important new work fills the pressing need for a user-friendly text that aims to provide software engineers, software quality professionals, software developers, and students with the fundamental developments in testing theory and common testing practices. Software Testing and Quality Assurance: Theory and Practice equips readers with a solid understanding of: Practices that support the production of quality software Software testing techniques Life-cycle models for requirements, defects, test cases, and test results Process models for units, integration, system, and acceptance testing How to build test teams, including recruiting and retaining test engineers Quality Models, Capability Maturity Model, Testing Maturity Model, and Test Process Improvement Model Expertly balancing theory with practice, and complemented with an abundance of pedagogical tools, including test questions, examples, teaching suggestions, and chapter summaries, this book is a valuable, self-contained tool for professionals and an ideal introductory text for courses in software testing, quality assurance, and software engineering.**

SOFTWARE TESTING

A PRACTICAL APPROACH

PHI Learning Pvt. Ltd. **This concise text provides an insight into practical aspects of software testing and discusses all the recent technological developments in this field including quality assurance. The book also illustrates the specific kinds of problems that software developers often encounter during development of software. The book first builds up the basic concepts inherent in the software development life cycle (SDLC). It then elaborately discusses the metho-dologies of both static testing and dynamic testing of the software, covering the concepts of structured group examinations, control flow and data flow, unit testing, integration testing, system testing and acceptance testing. The text also focuses on the importance of the cost–benefit analysis of testing processes. The concepts of test automation, object-oriented applications, client-server and web-based applications have been covered in detail. Finally, the book brings out the underlying concepts of commercial off-the-shelf (COTS) software applications and describes the testing methodologies adopted in them. The book is intended for the undergraduate and postgraduate students of computer science and engineering for a course in software testing. KEY FEATURES : Provides real-life examples, illustrative diagrams and tables to explain the concepts discussed. Gives a number of assignments drawn from practical experience to help the students in assimilating the concepts in a practical way. Includes model questions in addition to a large number of chapter-end review questions to enable the students to hone their skills and enhance their understanding of the subject matter.**

SOFTWARE TESTING

Pearson Education India

SOFTWARE TESTING

Jones & Bartlett Learning **The competence and quality of software testers are often judged by the various testing**

techniques they have mastered. As the name suggests, Software Testing provides a self-study format and is designed for certification course review, and for "freshers" as well as professionals who are searching for opportunities in the software testing field. Along with software testing basics, the book covers software testing techniques and interview questions (e.g., Six Sigma and CMMI) which are important from the Software Quality Assurance (SQA) perspective. It also has in-depth coverage of software expense estimation topics like function points (FPA) and TPA analysis. A CD-ROM supplements the content with the TestCompleteTM software-testing tool setup, software estimation templates (PDFs), an interview rating sheet, a sample resume, third-party contributions, and more.

FOUNDATIONS OF SOFTWARE TESTING: FOR VTU

Pearson Education India

SOFTWARE TESTING TOOLS: COVERING WINRUNNER, SILK TEST, LOADRUNNER, JMETER AND TESTDIRECTOR WITH CASE STUDIES W/CD

Dreamtech Press **Thoroughly researched practical and comprehensive book that aims: To introduce you to the concepts of software quality assurance and testing process, and help you achieve high performance levels. It equips you with the requisite practical expertise in the most widely used software testing tools and motivates you to take up software quality assurance and software testing as a career option in true earnest.· Software Quality Assurance: An Overview· Software Testing Process· Software Testing Tools: An Overview· WinRunner· Silk Test· SQA Robot· LoadRunner· JMeter· Test Director· Source Code Testing Utilities in Unix/Linux Environment**

SOFTWARE TESTING

A CRAFTSMAN'S APPROACH, THIRD EDITION

CRC Press **Since the last publication of this international bestseller, software testing has seen a renaissance of renewed interest and technology. The biggest change comes in the growing prominence and acceptance of Agile Programming. Software Testing: A Craftsman's Approach, Third Edition extends the combination of theory and practicality of the first two editions to include agile programming development and discusses the serious effect this emerging area is having on software testing. The third edition of the widely adopted text and reference book is comprised of six parts. It begins by providing the mathematical background in discrete mathematics and linear graph theory that is used in subsequent sections. The book continues to describe specification-based (functional) and code-based (structural) test development techniques, while extending this theoretical approach to less understood levels of integration and system testing. The author further develops this discussion to include object-oriented software. A completely new section relates all of the previously discussed concepts to the agile software development movement and highlights issues such as how agile and XP development environments are radically changing the role of software testers by making testing integral at every phase of the development process. Thoroughly revised and updated, Software Testing: A Craftsman's Approach, Third Edition is sure to become a standard reference for those who need to stay up-to-date with evolving technologies in software testing. Carrying on the tradition of previous editions, it will continue to serve as a valuable reference for software testers, developers, and engineers.**

SOFTWARE TESTING AND QUALITY ASSURANCE

THEORY AND PRACTICE

Wiley **This book introduces the fundamental ideas in testing theory, testing techniques, testing practices and quality assurance. Software Testing and Quality Assurance: Theory and Practice covers the practices that support the production of quality software, software testing techniques, life-cycle models for requirements, defects, test cases, test results, test questions, examples, teaching suggestions, and chapter summaries. Other topics covered are; software quality assurance (SQA), SQA processes and metrics; the role of testing; basics of program testing; theory of program testing; code review; unit testing; test generation from control flow graphs, data flow graphs, and program domains; system integration; system testing; test execution; test automation; acceptance testing; quality metrics and reliability models. For the 2nd edition, the authors have included two major topics: (i) Boolean expression testing; and (ii) testing without oracles.**

PEDIATRIC HEPATOLOGY AND LIVER TRANSPLANTATION

Springer **This book is the first to provide balanced examination of both pediatric liver disease and liver transplantation – two topics that are inherently related, given that most chronic liver disorders eventually require organ replacement. The different forms of liver disease encountered in the pediatric age group are first discussed in a series of disease-specific chapters that have a reader-friendly, uniform structure covering pathophysiology, diagnostic and treatment algorithms, clinical cases, and transition to adult care. Key topics in the field of liver transplantation are then addressed. Examples include indications and contraindications, surgical techniques and complications, immunosuppression, in pediatric liver transplantation, acute and chronic rejection and allograft dysfunction, and CMV and EBV infection in transplant recipients, long-term graft injury and tolerance. A section on pediatric hepatology across the world includes chapters presenting the features and management of pediatric liver disease in South-America, Africa and Asia. A closing section considers what the future holds for pediatric liver disease and its management, including novel genetic testing, cell therapy and gene therapy. Pediatric Hepatology and Liver**

Transplantation will be of value for a range of practitioners, from residents making their first approach to pediatric liver disease through to specialists working in transplantation centers.

FOUNDATIONS OF SOFTWARE TESTING

ISTQB CERTIFICATION

Cengage Learning Emea **Your One-Stop Guide To Passing The ISTQB Foundation Level ExamFoundations of Software Testing: Updated edition for ISTQB Certification is your essential guide to software testing and the ISTQB Foundation qualification. Whether you are a students or tester of ISTQB, this book is an essential purchase if you want to benefit from the knowledge and experience of those involved in the writing of the ISTQB Syllabus.This book adopts a practical and hands-on approach, covering the fundamental principles that every system and software tester should know. Each of the six sections of the syllabus is covered by background tests, revision help and sample exam questions. The also contains a glossary, sample full-length examination and information on test certification. The authors are seasoned test-professionals and developers of the ISTQB syllabus itself, so syllabus coverage is thorough and in-depth. This book is designed to help you pass the ISTQB exam and qualify at Foundation Level, and is enhanced with many useful learning aids.ABOUT ISTQBISTQB is a multi-national body overseeing the development of international qualifications in software testing. In a world of employment mobility and multi-national organizations, having an internationally recognized qualification ensures that there is a common understanding, internationally, of software testing issues.**

SCHAUM'S OUTLINE OF OPERATING SYSTEMS

McGraw Hill Professional **Confusing Textbooks? Missed Lectures? Not Enough Time? Fortunately for you, there's Schaum's Outlines. More than 40 million students have trusted Schaum's to help them succeed in the classroom and on exams. Schaum's is the key to faster learning and higher grades in every subject. Each Outline presents all the essential course information in an easy-to-follow, topic-by-topic format. You also get hundreds of examples, solved problems, and practice exercises to test your skills. This Schaum's Outline gives you Practice problems with full explanations that reinforce knowledge Coverage of the most up-to-date developments in your course field In-depth review of practices and applications Fully compatible with your classroom text, Schaum's highlights all the important facts you need to know. Use Schaum's to shorten your study time-and get your best test scores! Schaum's Outlines-Problem Solved.**

DATA SCIENCE AND ANALYTICS

5TH INTERNATIONAL CONFERENCE ON RECENT DEVELOPMENTS IN SCIENCE, ENGINEERING AND TECHNOLOGY, REDSET 2019, GURUGRAM, INDIA, NOVEMBER 15-16, 2019, REVISED SELECTED PAPERS, PART II

Springer **This two-volume set (CCIS 1229 and CCIS 1230) constitutes the refereed proceedings of the 5th International Conference on Recent Developments in Science, Engineering and Technology, REDSET 2019, held in Gurugram, India, in November 2019. The 74 revised full papers presented were carefully reviewed and selected from total 353 submissions. The papers are organized in topical sections on data centric programming; next generation computing; social and web analytics; security in data science analytics; big data analytics.**

MICROSOFT SYSTEM CENTER

CONFIGURATION MANAGER FIELD EXPERIENCE

Pearson Education **Part of a series of specialized guides on System Center - this book shares real-world expertise for using Configuration Manager capabilities to deliver more effective IT services. Series editor Mitch Tulloch and a team of System Center experts provide concise technical guidance as they step you through key deployment and management scenarios.**

THE ART OF SOFTWARE TESTING

John Wiley & Sons **The classic, landmark work on software testing The hardware and software of computing have changed markedly in the three decades since the first edition of The Art of Software Testing, but this book's powerful underlying analysis has stood the test of time. Whereas most books on software testing target particular development techniques, languages, or testing methods, The Art of Software Testing, Third Edition provides a brief but powerful and comprehensive presentation of time-proven software testing approaches. If your software development project is mission critical, this book is an investment that will pay for itself with the first bug you find. The new Third Edition explains how to apply the book's classic principles to today's hot topics including: Testing apps for iPhones, iPads, BlackBerrys, Androids, and other mobile devices Collaborative (user) programming and testing Testing for Internet applications, e-commerce, and agile programming environments Whether you're a student looking for a testing guide you'll use for the rest of your career, or an IT manager overseeing a software development team, The Art of Software Testing, Third Edition is an expensive book that will pay for itself many times over.**

GENETIC ALGORITHMS IN SEARCH, OPTIMIZATION, AND MACHINE LEARNING

Addison-Wesley Professional **A gentle introduction to genetic algorithms. Genetic algorithms revisited: mathematical foundations. Computer implementation of a genetic algorithm. Some applications of genetic algorithms. Advanced operators and techniques in genetic search. Introduction to genetics-based machine learning. Applications of genetics-**

based machine learning. A look back, a glance ahead. A review of combinatorics and elementary probability. Pascal with random number generation for fortran, basic, and cobol programmers. A simple genetic algorithm (SGA) in pascal. A simple classifier system(SCS) in pascal. Partition coefficient transforms for problem-coding analysis.

INDIA'S NEW CAPITALISTS

CASTE, BUSINESS, AND INDUSTRY IN A MODERN NATION

Hachette UK **It's no secret that certain social groups have predominated India's business and trading history, with business traditionally being the preserve of particular 'Bania' communities. However, the past four or so decades have seen a widening of the social base of Indian capital, such that the social profile of Indian business has expanded beyond recognition, and entrepreneurship and commerce in India are no longer the exclusive bastion of the old mercantile castes. In this meticulously researched book – acclaimed for being the first social history to document and understand India's new entrepreneurial groups – Harish Damodaran looks to answer who the new 'wealth creators' are, as he traces the transitional entry of India's middle and lower peasant castes into the business world. Combining analytical rigour with journalistic flair, India's New Capitalists is an essential read for anyone seeking to understand the culture and evolution of business in contemporary South Asia.**

COMPUTATIONAL INTELLIGENCE METHODS IN COVID-19: SURVEILLANCE, PREVENTION, PREDICTION AND DIAGNOSIS

Springer Nature **The novel coronavirus disease 2019 (COVID-19) pandemic has posed a major threat to human life and health. This book is beneficial for interdisciplinary students, researchers, and professionals to understand COVID-19 and how computational intelligence can be used for the purpose of surveillance, control, prevention, prediction, diagnosis, and potential treatment of the disease. The book contains different aspects of COVID-19 that includes fundamental knowledge, epidemic forecast models, surveillance and tracking systems, IoT- and IoMT-based integrated systems for COVID-19, social network analysis systems for COVID-19, radiological images (CT, X-ray) based diagnosis system, and computational intelligence and in silico drug design and drug repurposing methods against COVID-19 patients. The contributing authors of this volume are experts in their fields and they are from various reputed universities and institutions across the world. This volume is a valuable and comprehensive resource for computer and data scientists, epidemiologists, radiologists, doctors, clinicians, pharmaceutical professionals, along with graduate and research students of interdisciplinary and multidisciplinary sciences.**

EMERGING ECO-FRIENDLY GREEN TECHNOLOGIES FOR WASTEWATER TREATMENT

Springer Nature **As we know, rapid industrialization is a serious concern in the context of a healthy environment and public health due to the generation of huge volumes of toxic wastewater. Although various physico-chemical and biological approaches are available for the treatment of this wastewater, many of them are not effective. Now, there are a number of emerging ecofriendly, cost-effective approaches utilizing microorganisms (bacterial/fungi/algae), green plants or their enzymes, and constructed wetland treatment systems in the treatment of wastewaters containing pollutants such as endocrine disrupting chemicals, toxic metals, pesticides, dyes, petroleum hydrocarbons and phenolic compounds. This book provides a much-needed, comprehensive overview of the various types of wastewater and their ecotoxicological effects on the environment, humans, animals and plants as well as various emerging and eco-friendly approaches for their treatment. It provides insights into the ecological problems and challenges in the treatment and management of wastewaters generated by various sources.**

INTELLIGENT MANUFACTURING AND ENERGY SUSTAINABILITY

PROCEEDINGS OF ICIMES 2019

Springer Nature **This book includes selected, high-quality papers presented at the International Conference on Intelligent Manufacturing and Energy Sustainability (ICIMES 2019) held at the Department of Mechanical Engineering, Malla Reddy College of Engineering & Technology (MRCET), Maisammaguda, Hyderabad, India, from 21 to 22 June 2019. It covers topics in the areas of automation, manufacturing technology and energy sustainability.**

CRONY CAPITALISM IN INDIA

ESTABLISHING ROBUST COUNTERACTIVE INSTITUTIONAL FRAMEWORKS

Springer **Crony Capitalism in India provides a comprehensive and scholarly examination of the important topic of crony capitalism, filling an important gap in the market. Bringing together experts from various backgrounds, it addresses the key underpinnings of this complex and multifarious issue. Given the emergent nature of the Indian economy, this book provides important information for decision makers in both government and business to help establish a robust institutional framework that is so desperately needed both in India and globally.**

HIGH LEVEL MODELS AND METHODOLOGIES FOR INFORMATION SYSTEMS

Springer **In this book the authors introduce and explain many methods and models for the development of Information Systems (IS). It was written in large part to aid designers in designing successful devices/systems to match user needs in the field. Chief among these are website development, usability evaluation, quality evaluation and success**

assessment. The book provides great detail in order to assist readers' comprehension and understanding of both novel and refined methodologies by presenting, describing, explaining and illustrating their basics and working mechanics. Furthermore, this book presents many traditional methods and methodologies in an effort to make up a comprehensive volume on High Level Models and Methodologies for Information Systems. The target audience for this book is anyone interested in conducting research in IS planning and development. The book represents a main source of theory and practice of IS methods and methodologies applied to these realities. The book will appeal to a range of professions that are involved in planning and building the information systems, for example information technologists, information systems developers, as well as Web designers and developers—both researchers and practitioners; as a consequence, this book represents a genuinely multi-disciplinary approach to the field of IS methods and methodologies.

AGROFORESTRY

THEORY AND PRACTICES

Scientific Publishers

INTRODUCTION TO CRYPTOGRAPHY AND NETWORK SECURITY

"A textbook for beginners in security. In this new first edition, well-known author Behrouz Forouzan uses his accessible writing style and visual approach to simplify the difficult concepts of cryptography and network security. This edition also provides a website that includes Powerpoint files as well as instructor and students solutions manuals. Forouzan presents difficult security topics from the ground up. A gentle introduction to the fundamentals of number theory is provided in the opening chapters, paving the way for the student to move on to more complex security and cryptography topics. Difficult math concepts are organized in appendices at the end of each chapter so that students can first learn the principles, then apply the technical background. Hundreds of examples, as well as fully coded programs, round out a practical, hands-on approach which encourages students to test the material they are learning."--Publisher's website.

SOFTWARE TESTING

A CRAFTSMAN'S APPROACH, FOURTH EDITION

CRC Press **This updated and reorganized fourth edition of Software Testing: A Craftsman's Approach applies the strong mathematics content of previous editions to a coherent treatment of Model-Based Testing for both code-based (structural) and specification-based (functional) testing. These techniques are extended from the usual unit testing discussions to full coverage of less understood levels integration and system testing. The Fourth Edition: Emphasizes technical inspections and is supplemented by an appendix with a full package of documents required for a sample Use Case technical inspection Introduces an innovative approach that merges the Event-Driven Petri Nets from the earlier editions with the "Swim Lane" concept from the Unified Modeling Language (UML) that permits model-based testing for four levels of interaction among constituents in a System of Systems Introduces model-based development and provides an explanation of how to conduct testing within model-based development environments Presents a new section on methods for testing software in an Agile programming environment Explores test-driven development, reexamines all-pairs testing, and explains the four contexts of software testing Thoroughly revised and updated, Software Testing: A Craftsman's Approach, Fourth Edition is sure to become a standard reference for those who need to stay up to date with evolving technologies in software testing. Carrying on the tradition of previous editions, it will continue to serve as a valuable reference for software testers, developers, and engineers.**

CONTINUOUS SOFTWARE ENGINEERING

Springer **This book provides essential insights on the adoption of modern software engineering practices at large companies producing software-intensive systems, where hundreds or even thousands of engineers collaborate to deliver on new systems and new versions of already deployed ones. It is based on the findings collected and lessons learned at the Software Center (SC), a unique collaboration between research and industry, with Chalmers University of Technology, Gothenburg University and Malmö University as academic partners and Ericsson, AB Volvo, Volvo Car Corporation, Saab Electronic Defense Systems, Grundfos, Axis Communications, Jeppesen (Boeing) and Sony Mobile as industrial partners. The 17 chapters present the "Stairway to Heaven" model, which represents the typical evolution path companies move through as they develop and mature their software engineering capabilities. The chapters describe theoretical frameworks, conceptual models and, most importantly, the industrial experiences gained by the partner companies in applying novel software engineering techniques. The book's structure consists of six parts. Part I describes the model in detail and presents an overview of lessons learned in the collaboration between industry and academia. Part II deals with the first step of the Stairway to Heaven, in which R&D adopts agile work practices. Part III of the book combines the next two phases, i.e., continuous integration (CI) and continuous delivery (CD), as they are closely intertwined. Part IV is concerned with the highest level, referred to as "R&D as an innovation system," while Part V addresses a topic that is separate from the Stairway to Heaven and yet critically important in large organizations: organizational performance metrics that capture data, and visualizations of the status of software assets, defects and teams. Lastly, Part VI presents the perspectives of two of the SC partner companies. The book is intended for practitioners and professionals in the software-intensive systems industry, providing concrete models, frameworks and case studies that show the specific challenges that the partner companies encountered, their**

approaches to overcoming them, and the results. Researchers will gain valuable insights on the problems faced by large software companies, and on how to effectively tackle them in the context of successful cooperation projects.

PROGRAMMING WITH ANSI C++

OUP India **The second edition of Programming with ANSI C++ is a comprehensive text that covers all the technical aspects of object-oriented programming through ANSI C++. Designed to serve as a textbook for the students of CSE and IT, as well as those pursuing MCA, it provides a solid understanding of the fundamental concepts without obscuring the text with heavy details. Through more than 400 application-oriented programs, it brings the readers close to the practical aspects of C++.**

BUDDHA IN TESTING

FINDING PEACE IN CHAOS

Notion Press **A tester's mind is never at rest. It is constantly searching, over populated with information, and continually discovering changes to context. A tester at work is interacting with plenty of people who don't understand testing, pretend to understand or have conflicting ideas of testing. A combination of all this creates restlessness in a tester's mind. A restless mind ends up with fragmented learning and chaos. This impacts the quality of life itself. Is this book for you?**

LEARN COMPUTER VISION USING OPENCV

WITH DEEP LEARNING CNNS AND RNNS

Apress **Build practical applications of computer vision using the OpenCV library with Python. This book discusses different facets of computer vision such as image and object detection, tracking and motion analysis and their applications with examples. The author starts with an introduction to computer vision followed by setting up OpenCV from scratch using Python. The next section discusses specialized image processing and segmentation and how images are stored and processed by a computer. This involves pattern recognition and image tagging using the OpenCV library. Next, you'll work with object detection, video storage and interpretation, and human detection using OpenCV. Tracking and motion is also discussed in detail. The book also discusses creating complex deep learning models with CNN and RNN. The author finally concludes with recent applications and trends in computer vision. After reading this book, you will be able to understand and implement computer vision and its applications with OpenCV using Python. You will also be able to create deep learning models with CNN and RNN and understand how these cutting-edge deep learning architectures work. What You Will LearnUnderstand what computer vision is, and its overall application in intelligent automation systems Discover the deep learning techniques required to build computer vision applications Build complex computer vision applications using the latest techniques in OpenCV, Python, and NumPy Create practical applications and implementations such as face detection and recognition, handwriting recognition, object detection, and tracking and motion analysis Who This Book Is ForThose who have a basic understanding of machine learning and Python and are looking to learn computer vision and its applications.**

THE QUALITY GURUS

WHAT CAN THEY DO FOR YOUR COMPANY?.

DATABASE SYSTEMS

CONCEPTS, DESIGN AND APPLICATIONS

Pearson Education India **The second edition of this bestselling title is a perfect blend of theoretical knowledge and practical application. It progresses gradually from basic to advance concepts in database management systems, with numerous solved exercises to make learning easier and interesting. New to this edition are discussions on more commercial database management systems.**

THE CRAFT OF SOFTWARE TESTING

SUBSYSTEM TESTING INCLUDING OBJECT-BASED AND OBJECT-ORIENTED TESTING

Prentice Hall **This book is about "testing in the medium." It concentrates on thorough testing of moderate sized components of large systems--subsystems--a prerequisite for effective and efficient testing of the integrated system. It aims to present a sensible, flexible, affordable, and coherent testing process. It provides detailed techniques and tricks of the trade, addressed to programmers, system testers, and programmers/testers responsible for bug fixes.**

MATERIALS CHARACTERIZATION USING NONDESTRUCTIVE EVALUATION (NDE) METHODS

Woodhead Publishing **Materials Characterization Using Nondestructive Evaluation (NDE) Methods discusses NDT methods and how they are highly desirable for both long-term monitoring and short-term assessment of materials, providing crucial early warning that the fatigue life of a material has elapsed, thus helping to prevent service failures. Materials Characterization Using Nondestructive Evaluation (NDE) Methods gives an overview of established and new NDT techniques for the characterization of materials, with a focus on materials used in the automotive, aerospace, power**

plants, and infrastructure construction industries. Each chapter focuses on a different NDT technique and indicates the potential of the method by selected examples of applications. Methods covered include scanning and transmission electron microscopy, X-ray microtomography and diffraction, ultrasonic, electromagnetic, microwave, and hybrid techniques. The authors review both the determination of microstructure properties, including phase content and grain size, and the determination of mechanical properties, such as hardness, toughness, yield strength, texture, and residual stress. Gives an overview of established and new NDT techniques, including scanning and transmission electron microscopy, X-ray microtomography and diffraction, ultrasonic, electromagnetic, microwave, and hybrid techniques Reviews the determination of microstructural and mechanical properties Focuses on materials used in the automotive, aerospace, power plants, and infrastructure construction industries Serves as a highly desirable resource for both long-term monitoring and short-term assessment of materials

ADVANCED COMPUTER AND COMMUNICATION ENGINEERING TECHNOLOGY

PROCEEDINGS OF THE 1ST INTERNATIONAL CONFERENCE ON COMMUNICATION AND COMPUTER ENGINEERING

Springer **This book covers diverse aspects of advanced computer and communication engineering, focusing specifically on industrial and manufacturing theory and applications of electronics, communications, computing and information technology. Experts in research, industry, and academia present the latest developments in technology, describe applications involving cutting-edge communication and computer systems and explore likely future directions. In addition, access is offered to numerous new algorithms that assist in solving computer and communication engineering problems. The book is based on presentations delivered at ICOCOE 2014, the 1st International Conference on Communication and Computer Engineering. It will appeal to a wide range of professionals in the field, including telecommunication engineers, computer engineers and scientists, researchers, academics and students.**