Tqm For Computer Software (Systems Design And Implementation)

Synopsis

This second edition of "Quality Assurance for Computer Software" offers updated methods reflecting current software development paradigms, tools and measurement techniques. Like the first edition, it stresses the roles of technology, people and management in creating customer satisfaction and controlling software projects. Besides discussing the most recent changes in technology, this updated edition incorporates the latest TQM techniques and describes the supportive role software quality assurance functions can play in the continuous improvement of software system development. The book explains how programming paradigms and integrated software tools sets influence the quality process, enabling readers with software development, quality control and general management experience to better understand the issues in software quality. Several introductory chapters examine the substantive issues of building quality into the programming process. The books then proceeds to offer readers practical solutions for the entire development life cycle - applicable to third and fourth generation programming, product and process measurement quality planning, and self-assessment. While the book comments on relevant research in software technology, the quality methods it highlights are those that have met with success in industrial and government applications.

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