Controlling Software Projects: Management, Measurement & Estimation

Tom DeMarco


DeMarco’s book was a landmark in software project management, introducing the concept of software measurement and estimation to a wide audience. It provided a framework for understanding how to measure and estimate software projects, which was revolutionary at the time.

The book covers a range of topics, including the importance of measurement and estimation, how to collect and analyze data, and how to use this information to make better decisions about project planning and control. It also includes case studies and practical examples to illustrate the concepts discussed.

Throughout the book, DeMarco emphasizes the importance of measurement and estimation in project management, stating that “If you can’t measure it, you can’t manage it.” This mantra underlines the book’s focus on providing practical tools and techniques for managing software projects effectively.

The book has been widely adopted in the software engineering community, and its ideas have been incorporated into many other books and courses on software project management. It remains a valuable resource for anyone involved in managing software projects, whether they are new to the field or experienced practitioners.

In summary, Controlling Software Projects: Management, Measurement & Estimation is a classic text in the field of software project management. Its clear and practical approach to measurement and estimation continues to be relevant and useful for practitioners today.
Management, Measurement, and Estimation. The book is the
Software measurement is widely advocated as a fundamental constituent of an engineering approach to planning and controlling software development. Unfortunately, there is a dichotomy between the quantity of developed metrics and those used. This paper provides a tutorial review of software engineering measurement indicating the depth and breadth of the field. Individual metrics are not described due to the interest of this paper being on the measurement process and not the products of that process. Generic problems have been identified within existing measurement processes, these provide learn An effective, quantitative approach for estimating and managing software projects. How many people do I need? When will the quality be good enough for commercial sale? Can this really be done in two weeks? Rather than relying on instinct, the authors of Software Measurement and Estimation offer a new, tested approach that includes the quantitative tools, data, and knowledge needed to make sound estimations. The text begins with the foundations of measurement, identifies the appropriate metrics, and then focuses on techniques and tools for estimating the effort needed to reach a given level of