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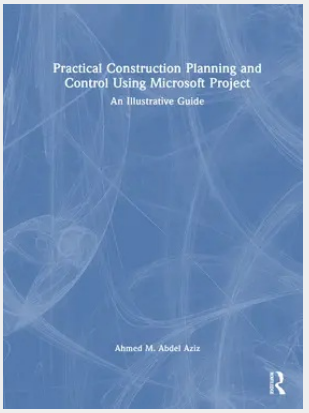
Practical Construction Planning and Control Using Microsoft Project

An Illustrative Guide



Practical Construction Planning and Control Using Microsoft Project serves as a practical guide, explaining how to implement the Critical Path Method (CPM) in construction projects using Microsoft Project, filling a clear gap in the academic literature. For working professionals, it provides an all-in-one guide to construction project management using Microsoft Project, which can be used for self-learning or training purposes. The book provides project managers with definitive reports covering every aspect of project management, including time, cost, resources, work, and cash flow, as well as custom-built dashboard reports for effective project management. This textbook provides a brief description of the CPM phases of planning, scheduling, and control. Using a consistent example project throughout every chapter of the book, each CPM phase is explained using the relevant Microsoft Project commands and functionalities, accompanied by explanations and illustrations that describe the implementation. Furthermore, the chapters offer detailed descriptions and steps for generating common construction scheduling deliverables, including network diagrams, Gantt chart schedules, and cash flow reports. Following an Introduction that lays out the essential concepts, the 13 chapters provide an implementation of Microsoft Project for planning, scheduling, resources, monitoring and control, time and cost updates, progress measurement using earned value analysis, and project reporting. By successfully combining the details of CPM as a management technique with illustrated guidance on Microsoft Project, the book presents an ideal teaching tool for use in construction management, construction engineering, and project management degree programs, as well as for professionals eager to learn construction project scheduling using the widely available Microsoft Project software.

Auf Anfrage

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