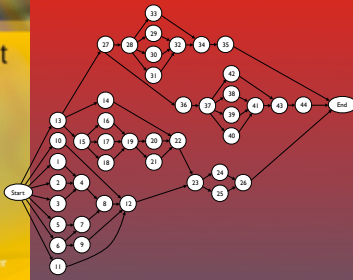


Dynamic Scheduling



- Overview book on Dynamic Scheduling in Project Management
- Based on sound and state-of-the-art research
- Published by Springer
- Three cases and software overview

PROJECT MANAGEMENT with DYNAMIC SCHEDULING

Baseline scheduling, risk analysis and project control

An new dynamic scheduling overview book by Mario Vanhoucke as a result of research projects at Ghent University and Vlerick Leuven Gent Management School and the development of a commercial software tool ProTrack at OR-AS.

About this book

The topic of this book is known as dynamic scheduling, and is used to refer to three dimensions of project management and scheduling: the construction of a baseline schedule and the analysis of a project schedule's risk as preparation of the project control phase during project progress.

In this book, the three dimensions of dynamic scheduling are highlighted in detail and are based on and inspired by a combination of academic research studies at Ghent University (www.ugent.be), in-company trainings at Vlerick Leuven Gent Management School (www.vlerick.com) and consultancy projects at OR-AS (www.or-as.be). First, the construction of a project baseline schedule is a central theme throughout the various chapters of the book, and is discussed from a complexity point of view with and without the presence of project resources. Second, the creation of an awareness of the weak parts in a baseline schedule is discussed at the end of the two baseline scheduling parts as schedule risk analysis techniques that can be applied on top of the baseline schedule. Third, the baseline schedule and its risk analyses can be used as guidelines during the project control step where actual deviations can be corrected within the margins of the project's time and cost reserves.

Written for

Researchers and students in project management; researchers in Operations Research, especially in production and manufacturing; graduate and upper-level undergraduate students in these fields.

Contains

- Three case studies that can be used in any Project Management training
- Chapters on scheduling, risk analysis and project control
- Short tutorial on ProTrack 3.0

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