Handbook of Research on Leveraging Risk and Uncertainties for Effective Project Management

Part of the Advances in IT Personnel and Project Management Book Series

Yuri Raydugin (Risk Services & Solutions Inc., Canada)

Description:

The proper understanding and managing of project risks and uncertainties is crucial to any organization. It is of paramount importance at all phases of project development and execution to avoid poor project results from meager economics, overspending, reputation and environmental damage, and even loss of life.

The **Handbook of Research on Leveraging Risk and Uncertainties for Effective Project Management** is a comprehensive reference source for emerging perspectives of managing risks associated with the execution and development of projects. Highlights innovative coverage written by top industry specialists, such as complexity theory, psychological bias and risk management fallacies, probabilistic risk analysis, and various aspects of project decision making.

Readers:

This book is ideally designed for project and risk managers, project engineers, cost estimators, schedulers, safety and environmental protection specialists, corporate planners, financial and insurance specialists, corporate decision makers, as well as academics and lecturers working in the area of project management and students pursing PMP, PMI-RMP, ISO 31000, etc. certification.


**Topics Covered:**

- Deterministic (Scoring) Risk Methodology
- Implications of Complexity Theory to Project Management
- Probabilistic (Monte Carlo) Cost and Schedule Risk Analysis
- Project Estimating, Scheduling, and Contingency's Development
- Project Scoping Based on Deterministic and Probabilistic Risk Methods
- Psychological Aspects of Risk Management and Project Decision Making
- Risk-Based and Economic-Based Selection of Project Alternatives
- Risk-Centric Project Performance Management

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