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Nota di contenuto	Front Cover; Project Management, Planning, and Control: Managing Engineering, Construction, and Manufacturing Projects to PMI, APM, and BSI Standards; Copyright; Contents; Preface; Foreword to the First Edition; Acknowledgements; Chapter 1 - Project Definition; Project Definition; Time-Bound Project; Cost-Bound Project; Performance (Quality)-Bound Project; Safety-Bound Project; Chapter 2 - Project Management; Project Manager; Chapter 3 - Programme and Portfolio Management; Portfolio Management; Chapter 4 - Project Context (Project Environment); Political; Economic; Social (or Sociological) TechnicalLegal; Environmental; Chapter 5 - Business Case; The Project Sponsor; Requirements Management; Chapter 6 - Investment Appraisal; Project Viability; Chapter 7 - Stakeholder Management; Direct Stakeholders; Indirect Stakeholders; Chapter 8 - Project Success Criteria; Key Performance Indicators; Chapter 9 - Organization Structures; Functional Organization; Matrix Organization; Project Organization (Taskforce); Chapter 10 - Organization Roles; Chapter 11 - Project Life Cycles; Chapter 12 - Work Breakdown Structures; Responsibility Matrix; Chapter 13 - Estimating; Subjective; Parametric Comparative (By Analogy)Analytical; Chapter 14 - Project Management Plan; Methods and Procedures; Chapter 15 - Risk Management; Stage 1: Risk Awareness; Stage 2: Risk Identification; Stage 3: Risk

Assessment; Stage 4: Risk Evaluation; Stage 5: Risk Management; Monitoring; Example of Effective Risk Management; Positive Risk or Opportunity; Chapter 16 - Quality Management; History; Quality Management Definitions; Explanation of the Definitions; Chapter 17 - Change Management; Document Control; Issue Management; Chapter 18 - Configuration Management; Chapter 19 - Basic Network Principles Network AnalysisThe Network; Durations; Numbering; Hammocks; Precedence or Activity on Node (AoN) Diagrams; Bar (Gantt) Charts; Time Scale Networks and Linked Bar Charts; Chapter 20 - Planning Blocks and Subdivision of Blocks; Pharmaceutical Factory; New Housing Estate; Portland Cement Factory; Oil Terminal; Multi-Storey Block of Offices; Colliery Surface Reconstruction; Bitumen Refinery; Typical Manufacturing Unit; Subdivision of Blocks; Chapter 21 - Arithmetical Analysis and Floats; Arithmetical Analysis; Critical Path; Critical Chain Project Management (CCPM) Chapter 22 - The Case for Manual AnalysisThe Planner; The Role of the Computer; Preparation of the Network; Typical Site Problems; The NEDO (National Economic Development Office) Report; Chapter 23 - Lester Diagram; Chapter 24 - Graphical and Computer Analysis; Graphical Analysis; Computer Analysis; History; Chapter 25 - Milestones and Line of Balance; Milestones; Line of Balance; Chapter 26 - Simple Examples; Example 1; Example 2; Example 3; Summary of Operation; Example 4 (Using Manual Techniques); Chapter 27 - Progress Reporting; Feedback Chapter 28 - Project Management and Network Planning

Sommario/riassunto

Covering the principles and techniques you need to successfully manage an engineering or technical project from start to finish, Project Management, Planning and Control is an established and widely recommended project management handbook. With clear and detailed coverage of planning, scheduling and control, which can pose particular challenges in engineering environments, this sixth edition includes new chapters on Agile project management and project governance, more real-life examples and updated software information. Ideal for those studying for Project Mana
