PD467
Project Management for Engineers & Technical Professionals

Day One
- Modern Project Management & Quiz
- Alignment of the Project & Quiz
- Structure and Culture
- Defining a Project & Quiz
- Estimating Project Time and Costs & Group Activity
- Developing a Project Network, Quiz & Group Activity
- Managing Risk & Group Activity

Day Two
- Scheduling Resources, Quiz and Group Activity
- Reducing Project Time & Group Activity
- Leadership
- Managing Project Teams & Quiz
- Partnering & Quiz
- Progress and Performance and Quiz

Day Three
- Project Auditing & Quiz
- International Projects
- Future of Project Management
- Team Projects
- Course wrap up

Throughout this course, participants will achieve the following results:
- A clear differentiation between project, program, and subproject, identifying contrasting and related characteristics of each
- The ability to compare and contrast project management to strategic management, operations management, and crisis management
- The use of an integrated case study, to create each of the following deliverables:
  - Project charter
  - Scope statement
  - Work breakdown structure
  - Project networks diagram
  - Time-Driven schedule
• The demonstration of an automated project management tool (through multimedia presentation showing step-by-step procedures as per handouts delivered to participants), identifying each of the following tools, techniques or outputs:
  – Activity Gantt chart
  – Resource graph/histogram
  – Resource spreadsheet
  – Resource driven-schedule

• Application of the following project scheduling concepts geared towards typical ME projects:
  – Critical path
  – Schedule compression
  – Crashing
  – Slack/float
  – Fast tracking
  – Resource leveling
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