



## **PD467 Project Management for Engineers & Technical Professionals**

### **Project Management for Engineers & Technical Professionals PD467**

#### **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

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 engineering projects:
  - Critical path
  - Schedule compression
  - Crashing
  - Slack/float
  - Fast tracking