Program Outline

Project Management Basics

What is “Project Management” and why is it important?; project management terminology; project lifecycle; triple constraint; requirements management; basic methods for consistent success; project metrics.

Project Planning

Planning benefits and proven success rates; engineering project planning challenges; planning templates and checklists; internal and external dependencies; communication plans; project planning exercise.

Project Lifecycle Models

Waterfall process and modified waterfalls; spiral model; evolutionary prototyping; staged delivery; evolutionary delivery; design-to-schedule; design-to-tools; applicability of ad-hoc methods; agile, flexible development, and hybrid models; lifecycle model selection exercise.

Project Estimating

Prerequisites for accurate estimates; Delphi method; analogy method; algorithmic methods; rapid prototyping method; Parkinson’s method; price-to-win method; top-down method; bottom-up method; work breakdown structure; WBS exercise; estimation exercise.

Project Scheduling

Scheduling basics; milestones, targets and forecasts; scheduling tools; steps for creating a schedule; critical path exercise.

Risk Management

Examples of risks; risk assessment and mitigation plans; risk brainstorming.

Stakeholder Management

Definition of stakeholders; levels of stakeholders; stakeholder relationships, communication and influence; stakeholder exercise.

Who Should Attend

Design Engineers
Manufacturing Engineers
Test Engineers
Software/IT Developers
Technical Marketing Engineers
Applications/Support Engineers
Project Leaders/Managers
Engineering Managers/Supervisors
Prospective Managers
Project Management for Engineers

Overview

This workshop teaches the fundamentals of project management that are relevant to the needs of most engineers and engineering managers. After attending this workshop you will be enabled to:

- Establish common project management language
- Develop realistic, comprehensive plans quickly
- Improve the accuracy of project estimates
- Produce on-time and on-budget deliverables
- Improve team communication through excellent project planning
- Develop risk mitigation plans that consider internal and external dependencies

Your Workshop Leader

Electronics, mechanical and software engineering are all part of Gary Hinkle's background, working in design and management in communication equipment, industrial controls, telemetry systems, consumer audio, avionics, computers among other industries. Today, he's the principal consultant at Auxilium, a company he started in 2002 “because I want to help engineers become better leaders.” Gary's dedication to the engineering profession helps organizations with measurable productivity improvements and has helped thousands of engineers advance in their careers.

Gary has conducted hundreds of workshops including onsite programs at Intel, Boeing, Microsoft, Texas Instruments, Otis Elevator, Qualcomm, Yamaha Motor Corp., and many other tech and engineering companies where engineers, team leads and executives have had the benefit of his experience and knowledge.

He shares not only industry best practices with seminar participants, but also his own broad experience and rich treasure trove of stories. He was, for example, the technical lead for a $40 million program to improve U.S. Army vehicle maintenance worldwide (CTS-ICE program), and the lead for the development of embedded systems used in Public Safety Answering Points for 9-1-1 call processing. Gary also led the hardware development for the world's best-selling oscilloscope product line at Tektronix, and he very recently led the successful turnaround of a consumer electronics company's product development organization.

Gary regularly contributes articles about R&D productivity and engineering leadership to IEEE-USA, the International Society for Optical Engineering, and the Engineering Momentum e-zine. He has served in a variety of leadership positions for the Institute of Electrical and Electronics Engineers (IEEE).

PROJECT MANAGEMENT FOR ENGINEERS — PRICING AND REGISTRATION

Continuing Education Credits = 6.5 PDHs/PDUs.

Public Workshop Registration: $700 per attendee. Limited to 25 participants.

Register at: www.Auxilium-Inc.com/Project-Management-Engineers or call 800-577-3528.

Guarantee: If for any reason you are not satisfied, write to us within 30 days after attending the workshop, return the materials, and we'll arrange for you to receive a full refund - hassle-free!

Bring This Workshop Onsite to Your Company

Auxilium's workshops are available for onsite facilitation. Call us at 800-577-3528 and get started on a customized program for you.