# Program Outline

## Three Support Systems for Success
Support for multiple projects; support for single projects; characteristics of people on high-performing teams.

## Multi-Project Factors
Productivity obstacles; meaningful metrics for improvement; project prioritization methods; resource allocation; project scoring exercise.

## Single Project Factors
When does a project start and stop?; How much planning is the right amount?; why projects are usually late or over budget; cost vs. time tradeoffs.

## 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.

## Planning Details
Planning steps; success criteria; project plan template; risk mitigation; resource planning; project management plan; cost of delay; planning exercise; case study; planning, estimating and scheduling flow; Work Breakdown Structure (WBS); Gantt and PERT charts; critical path analysis; ten steps for creating a project schedule.

## Project Reviews
Types of reviews; design/technical review planning; planning for successful review meetings; review team roles and responsibilities; design review checklists.

## Accurate Estimates
Estimation challenges; prerequisites for estimation; comparison of estimation methods; estimation steps; iterative estimating; estimation exercise; case study.

## Staying on Track
Taking control of task overload; separating real priorities from everyday fire drills; eliminating time-wasters; task planning and prioritization systems; dealing with email overload.

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### 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
Overview

This workshop helps engineers and managers to develop realistic and comprehensive engineering project plans, and to improve the accuracy of time and cost estimates. Solutions to common problems that cause projects to be late and over budget are presented from three important perspectives:

Multi-Project; Single-Project; People

Traditional, iterative, and hybrid project lifecycle models are introduced, with exercises that show how to plan projects for successful outcomes.

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 management consultant and founder of 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 public and onsite workshops at Intel, Boeing, Microsoft, Texas Instruments, Otis Elevator, Yamaha Motor Corp. America, 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 bi-weekly e-zine, “Engineering Momentum.” He also serves in a variety of leadership positions for the Institute of Electrical and Electronics Engineers (IEEE).

ENGINEERING PROJECT PLANNING — 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/Engineering-Project-Planning.htm  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 and let us customize this program for you - 800-577-3528.