

Seminar's Title

ADVANCED PROJECT MANAGEMENT

Purpose and Background

Project Management as a discipline is recognized as one of the fastest professions in today's industries. It is the application of concepts, knowledge, skills, tools and techniques to meet the project objectives and increase the probability of project success. Without effective project management, projects are often running into troubles and risking failures. Not understanding the basic concepts behind managing projects leads to missed deadlines, cost overruns, expensive changes, lost opportunities and frustrated project managers and team members. In addition, mastering the advanced concepts of project management helps experienced senior project manager using effective and efficient approaches to optimize the outcomes of a project and meet its objectives in supporting the company's strategic plan.

This practical, advanced course in project management gives participants a performance edge by teaching you how to initiate, plan, execute, control and complete your projects more effectively and efficiently as projects are critical to the success of any organization. It provides participants with the knowledge of currently advanced project management concepts and their benefits in managing projects that they can apply immediately in their project environment.

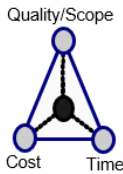
Learning Objectives

To provide organizations' experienced project managers with advanced, optimized project management knowledge, skills, tools and techniques, building on the basics to ensure success in managing projects, even for large and risky projects and programs. It stresses project management processes as an integral part of an organizational culture and what senior management must do to support it and make it successful within an organization.

Benefits for Participants:

- To provide participants with the knowledge of advanced project management fundamentals and their benefits in effectively and efficiently managing projects
- To provide participants with practical skills, tools, techniques, concepts and principles of advanced project management to be adapted to specific project environment
- Improve risk management throughout the project life cycle
- Track projects with solid metrics, not with speculation
- Better handling of difficult vendors





- Improved time and cost estimates for risky and challenging projects
- Reduce cost and schedule risks using advanced, proven techniques
- Accurately report progress even on complex and risky projects
- Improve stakeholder communication and involvement

Outline

The seminar is scheduled for five (5) days; each day starting from 8:00 AM to 4:30 PM with a half hour coffee break during each morning and afternoon section.

DAY 1

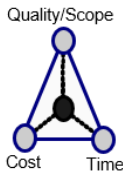
Introduction

- The Nature of Projects and Project/Program/Portfolio Management
- The Growing Importance of Business Aspect in Project Management
- From Strategic Planning to Project Management
- Technical Project Management/Leadership/Strategic and Business Management
- Modern Project Delivery Systems
- Life-Cycle Models
- Project Management Offices (PMOs) and Strategic Initiatives Achievement

Initiating

- Project selection
 - Qualitative Techniques
 - Quantitative Techniques - Economic Evaluation
 - Business Case
- Selecting the right Project Manager
- Project Objectives and Stakeholder Assessments
 - Identification of Stakeholders
 - Stakeholder Engagement
 - Stakeholder Analysis
 - Management of Stakeholders





DAY 2

Planning

- Task Characteristics and Duration Assessment
- Planning and Scheduling Methods
- Critical Path vs Critical Chain Scheduling
- Resource Allocation Methods
- Time-Cost Trade-off
- Lead/Lag Scheduling
- Critical Chain Scheduling
- Integrated Cost/Schedule Management: The Earned Value Management (EVM)
- Building Information Modeling (BIM)
- Drones Applications in Projects

DAY 3

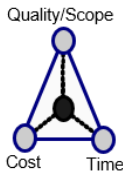
Proactive, Effective and Practical Project Risk Management

- Risk Management in Project Operations
- Risk Management Planning
- Risk Identification
- Risk Assessment
- Risk Filtering and Selection
- Risk Analysis approaches
- Risk Response Plan
- Risk Avoidance Approach
- Risk Mitigation (Contingency) Approach
- Risk Tracking and Reporting
- Risk Management Organization
- Risk Management Database
- Risk Communication
- Flow of Risk Management Planning Responsibilities

Executing

- Lean Construction Strategies
- Staff Acquisition





- Team Development and Motivation
- Leadership vs. Management
- Management Styles and Conflict Handling
- How to Deal With Difficult People in Projects

Monitoring and Controlling

- Project Controls
- Using Earned Value Management (EVM) for Project Performance
- Implementing Risk Response Plan
- Risk Avoidance Approach Implementation
- Risk Reports and Reviews
- Risk Mitigation Plan Implementation
- Risk Mitigation Plan Implementation
- Mitigation Plan Re-definition
- Flow of Risk Management Control Responsibilities

Project Closure

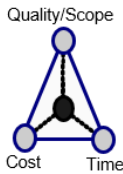
- Management Challenges
- Key elements of Successful Project Closure
- Effective Project Closure
- Project Closure Objectives
- Project Closure Plan
- Contract Closure
- Administrative Closure
- Project Closure & Contract Closure Interaction
 - The Punch-List Approach
 - Lessons Learned
 - Post-Project Evaluation
 - Success Celebration

Group Discussions, Practical Examples, Video Presentation and Case Studies

Seminar's Instructor: Dr. Nghi M. Nguyen, Ph.D., P.E., PMP (1995), M.ASCE

Dr. Nghi M. Nguyen is President & CEO of NDV Project Management Services, Inc., one of the first recognized company members of the Project Management Institute (PMI)'s Registered Consultant Program (RCP). He has had more than 30 years of progressive, domestic and international consulting and training experience in the field of project/program/portfolio





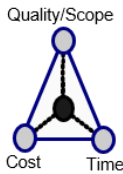
management on major construction, aerospace, defence and high-technology projects with leading Canadian and U.S. corporations such as the SNC-Lavalin Group, Gildan, CAE, the Canadian Space Agency (CSA), Lockheed Martin and NASA, among others. He served as Program Control Manager for the multi-billion dollar Canadian Patrol Frigate (CPF) program, the largest and most complex shipbuilding program in Canadian defense history for Lockheed Martin Canada (formerly U.S. based Unisys Systems and Sperry). Since 1995, he has developed and conducted numerous project management related seminars, including the PMP Exam Prep ones, for thousands of project managers all over the world.

A well-known, internationally recognized project management consultant and trainer, Dr. Nghi Nguyen has assisted clients with project management approaches to effectively and efficiently complete projects and attain their objectives. He is a specialist in project and program management training, consulting, definition, development, identification of project objectives, constraints and methodologies. He has managed and participated in projects in most industries and is leading a very active project management training and consulting practice, serving as project management consultants on projects worldwide. He has worked as a project management consultant for the Canadian Space Agency (CSA) on projects associated with the International Space Station (ISS) program, the 16-nation effort led by NASA (National Aeronautics and Space Administration) to build the permanently orbiting laboratory in space, the largest and most sophisticated international engineering project ever undertaken in the history of the world as well as for Canada's SNC-Lavalin International, one of the world's leading engineering construction companies, on China's Three Gorges Dam hydro-electric development project, the largest construction project in the world ever built to date, and was involved in a number of projects in the Information Technology (IT) and Oil and Gas sectors, among them was the construction of the \$ 5 billion Hibernia Oil Production Platform in St John, Newfoundland, Canada.

A long-time member of the American Society of Civil Engineers (ASCE) and a more-than-thirty year member of PMI, he is currently delivering project management seminars worldwide for clients in cities all over the world and has trained thousands of project managers on a variety of topics associated with global, international project management standards since 1995. He has also developed and delivered a customized project management curriculum for CAE, the Canadian-based world leader in flight simulation and pilot training, for its project managers in locations worldwide (Canada, the U.S., Australia, Germany and the U.K.).

An internationally recognized speaker, author and presenter, Dr. Nguyen has written and presented numerous technical papers on project/program management related topics in international conventions and congresses in Canada, the U.S., Europe, Asia and the Caribbean, sponsored by professional associations such as the Project Management Institute (PMI), the





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American Consulting Engineering Council (ACEC), the Association for the Advancement of Cost Engineering (AACE) International, American/Canadian Society of Civil Engineers (ASCE/CSCE), the Performance Management Association (PMA), the Pan-Pacific Business Association, the American Institute of Aeronautics and Astronautics (AIAA), the Caribbean Council of Engineering Association (CCEA) and the Paris-based association Francais des Ingenieurs et Techniciens d'Estimation et de Planification de Projects (AFITEP).

Educated at McGill and Concordia Universities in Montreal, Quebec, Canada, Dr. Nghi Nguyen holds B.S., M.S. and Ph.D. degrees in Civil Engineering with specialization in Construction & Project Management and has been a Certified Project Management Professional (PMP) since 1995. He has been a part-time professor at the Faculty of Engineering and Computer Science at Montreal's Concordia University since 1996 and also taught project management topics for the Executive Institute program at Montreal's Mc Gill University. He served as a member of the Canadian Advisory Council (CAC), set up by The Standards Council of Canada (SCC) to participate in the development of the International Organization for Standardization (ISO)'s project management standard which has been released in September 2012 as ISO 21500 for project management and served as the final draft reviewer and contributor to the PMBOK® Fifth Edition released by PMI in 2013, both considered by project management professionals worldwide as globally and internationally accepted project management standards. The PMBOK Fifth Edition is being used as the basic document upon which the current PMP Exam is based. In addition, Dr. Nghi Nguyen also served as final Draft Reviewer and Contributor to the upcoming PMBOK® Sixth Edition anticipated to be released by PMI in 2017.

