



CERTIFIED PROJECT MANAGER FOR ENGINEERING AND CONSTRUCTION (CPMC)

Course No.	PN-05-CPMC
Instructor	Prof. Dr. Ir. Fauzi Hasan, MM, MBA, MPM, PMP, CISA, CISSP, SSCP, CISM, CGEIT, CPRC, CSCP, APICS, Cert. , ITIL Expert, Change Management (APMG), Prince2
Descriptions	<p>This course and certification will offer an overview and implementation of Project Management, and introducing the systems, tools and techniques available to facilitate the management of engineering and construction projects, allowing you to take an informed view on how best to deliver, manage and control a project.</p> <p>Suitable for those who are new to project management, or those who already have some experience in this area, this intensive course clearly demonstrates the range of systems that can be deployed, providing a structured approach to delivery and for managing the many issues that inevitably arise throughout the project life cycle.</p> <p>The course and certification are designed based on the perspective of improving project delivery in construction and engineering, which is one metric of a Project Management success; and practically it is an important measure. The construction and engineering industry that have implemented Project Management need to ensure the Project Management is providing expected results, and adding value to the business. This course will provide strategies and tactics to enable process improvement for a currently established project management procedure in the organization executing projects.</p> <p>The workshop shall provide the capabilities to the participants in determining how best to use the Project Management methodology for organization advantage, and how to develop and use a competency model for project professionals involving in the engineering and construction projects.</p> <p>Discover methods to implement the typical project management and the specific functions which should be performed as related to project implementation. Assess the maturity of your project management team and recognize its contribution to professional responsibility in project management.</p> <p>The course and certification are built around a series of consecutive structured lectures, class exercises, and class discussions with the perspectives of project</p>



	<p>management.</p> <p>The scope of the course and certification include discussion of the components of the Project Management Knowledge including: Recognize critical characteristics of a PM team to foster organizational success in implementing the projects , prevent runaway projects, conduct a project audit , perform a competency analysis, identify key roles and responsibilities in project implementation, prepare a Project Charter, conduct an project implementation assessment, establish metrics for gauging and monitoring performance, develop a project implementation plan, use the project management best practices to promote professional responsibility as related to engineering and construction projects.</p> <p>It clearly demonstrates the range of systems that can be deployed, providing a structured approach to delivery and for managing the many issues that inevitably arise throughout the project life-cycle. It will be equally useful to engineers new to project and construction management, and those with previous experience.</p>
<p>Objectives</p>	<p>At the completion of the workshop participants shall benefit from the course such as:</p> <ul style="list-style-type: none"> • Understand best practice for managing and controlling an engineering project • Learn how to take a structured approach to project delivery • increase the confidence in managing issues throughout a project life cycle • Gain an in-depth understanding of the Project Management Knowledge a well designed in the project implementation methodology, and effectively shall have the capability to effectively implement the knowledge • Understand the challenges which will be faced during construction and project implementation, and how to address them effectively and efficiently • Learn how to evaluate key metrics of success during the project life cycle, and how to improve project results performance • Learn techniques to manage project portfolios more effectively • Improve risk management strategies and tactics for addressing risk within the cycle of project processes such as: initiation, planning, execution, monitoring and control, and completion (closure) in engineering and construction project • Learn how best practices in project management are implemented, and which of the strategies and tactics may be right for participants from specific organization.



Target Audience	<ul style="list-style-type: none"> • Engineers new to project and construction management • Project managers with some years of experience • Construction engineers and managers • Line managers • Others with an interest in improving project management results within their organizations, and who would benefit from an understanding of the project management knowledge as related to project implementation. Direct involvement in a particular project, either as a project manager or as a staff member, then this training becomes a recommended prerequisite.
Duration	3 days
Date	See our schedule or please contact AAI Office.
Place	Hotel Sapphire Sky (BSD).
Cost	IDR 11,350,000 per person.
Course Contents and Descriptions	
Project Management for Engineering and Construction Projects	<ul style="list-style-type: none"> • Establish a project • Define organisational arrangements and roles and responsibilities through the project lifecycle • Create cost estimates for a project, recognising contingencies • Plan a project, recognising dependencies, how to identify the critical path and how to assess both time and resource • Measure progress for individual tasks and the project as a whole • Analyse and apply earned value • Control, report and quantify change • Identify and quantify risks on a project • Measure and control project costs • Measure and manage safety • Participate in partnering and alliancing arrangements • Undertake procurements • Apply contracts and use their respective terms and conditions
Coping with Runaway project in Engineering and Construction	<p>This part of the course shall describe aspects of runaway project and efforts as related to managing runaway project such as:</p> <ul style="list-style-type: none"> • Definition of a runaway project • Conducting a project audit • Preparing and implementing a recovery plan



<p>Project Management Methodology Implementation</p>	<p>This part of the course provides knowledge and the skills to the participants in implementing the PM, and developing capabilities as related to:</p> <ul style="list-style-type: none"> • Motivations, costs, and benefits • Claims and Contract management • Assessing the current project management practices • Project or programs • Division-level PM • Enterprise-level PM • Organizational structures and strategy • Functional organization • Project-oriented organization • Matrix organization • Use of virtual teams • Guidelines for successful implementation • PM implementation plan • Effective deployment of the PM programs
<p>Case Studies and Exercises</p>	<p>Case-based discussions will be conducted with topics related to the subjects of training.</p>
<p>Certification</p>	<p>The participants take the American Academy of Project Management (AAPM) certification standard exam for Certified Project Manager for Engineering and Construction (CPMC) with specified criteria and assignments as requested and stand as pre-requisite by The Board of American Academy.</p>

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