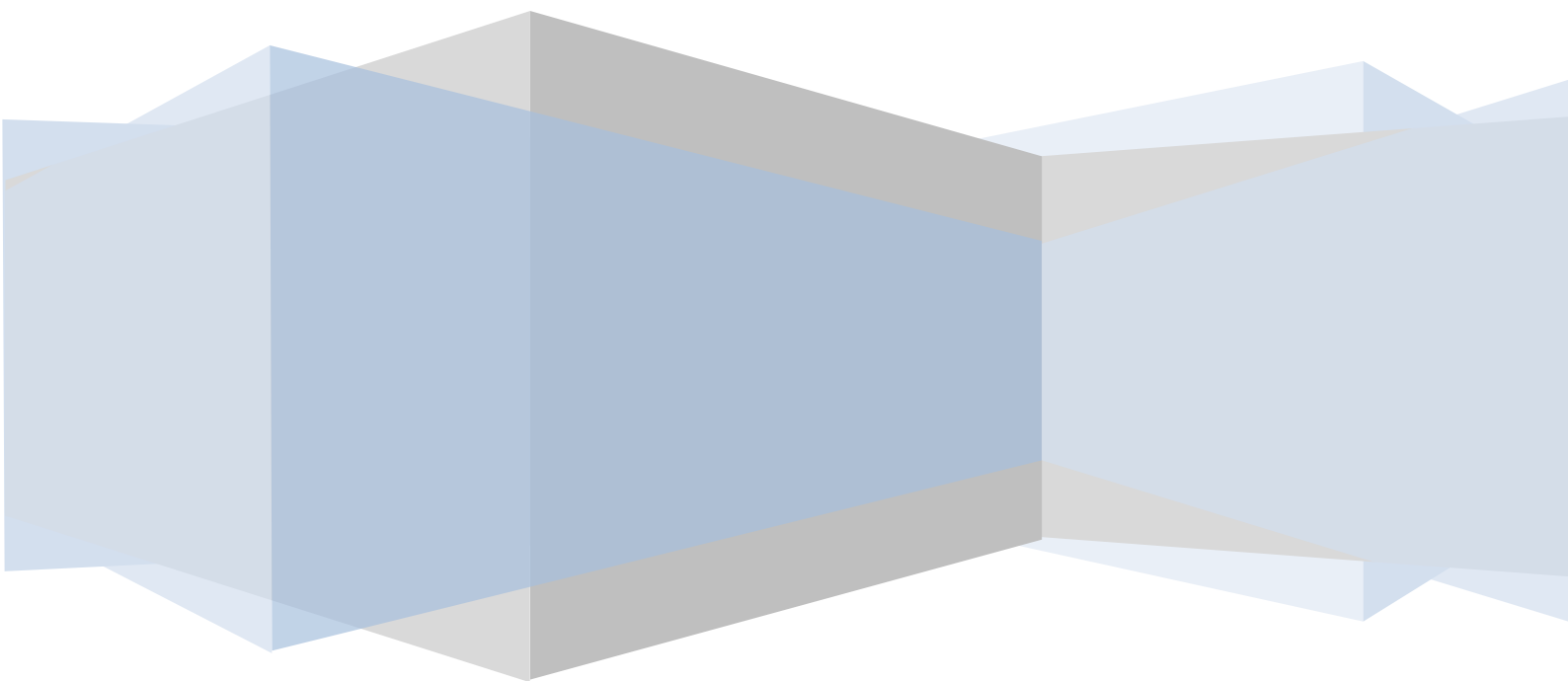


AAACE Earned Value Professional (EVP) Exam Preparation – Course Brochure



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1. Course Description

Training name: AACE Earned Value Professional (EVP) exam preparation

Training Delivery Mode: Online

Dedicated training in a structured and professional manner develops the competency (knowledge and skills) to implement the sound Earned Value Management System (EVMS) for integrated program management to effectively integrate the work scope of a program with the schedule and cost elements for optimum program planning and control.

This training distinguishes candidates as a professional that has the skills and knowledge that is benchmarked with the international Earned Value Management System practices. Candidates will be able to organize scope for execution, develop a Performance Measurement Baseline (PMB), Integrated Baseline Review (IBR), take accounting into considerations, collect and report project actual's, perform progress reporting, analysis & management reporting and perform change management.

2. Course Development

This course is mapped to the following standards or guides:

1. AACE's Total Cost Management Framework
2. AACE's Earned Value Professional Certification Study Guide, 3rd Edition
3. AACE's Skills & Knowledge of Cost Engineering, 6th Edition
4. AACE's Recommended Practices
5. ANSI/EIA -748 standards

3. Certifications offered by the professional bodies

- AACE's Earned Value Professional (EVP)

4. Eligibility Requirements

- 8 years industry related experience or 4 years industry related experience and 4-year industry related college degree
- Adherence to AACE's Canons of Ethics

5. Course Syllabus

Module#	Module Description
1	Earned Value Management - Principles
2	Organization
3	Planning, Scheduling and Budgeting
4	Accounting Considerations
5	Analysis and Management Reports
6	Revisions and Data Maintenance

6. Course Learning Outcomes

Module 1	Earned Value Management - Principles
End state vision - This module is designed to develop the ability of the learner to understand principles of Earned Value Management (EVM) and ANSI/EIA-748 intent guide.	
Understanding	Skills achieved
<ul style="list-style-type: none"> ○ Concept and principles of the Earned Value Management System (EVMS) ○ ANSI/EIA-748 intent guide ○ Functional processes for project controls within the Total Cost Management (TCM) framework of AACE ○ EVM to reduce the legal compliance risk 	<ul style="list-style-type: none"> ○ Document the criteria for implementing the sound EVMS for the Project/Programme ○ Review the status of the Project/Programme using EVM ○ Document the compliance with ANSI/748 standards
Module 2	Organization
End state vision - This module is designed to develop the ability of the learner to	
<ul style="list-style-type: none"> ○ Organize the project/ programme scope into a meaningful structure for execution and implementing the sound EVMS ○ Organizing scope to enable integration of the planning, scheduling, budgeting, work authorization and cost accumulation process within the defined WBS and OBS ○ Vertical and Horizontal rollup of the schedule and costs for the WBS and OBS 	
Understanding	Skills achieved
<ul style="list-style-type: none"> ○ Work Breakdown Structure (WBS) ○ Project scope, concept and benefits of work Breakdown Structure (WBS); techniques for developing the WBS. The difference between WBS and control account ○ Organization Breakdown Structure (OBS) and Responsibility Assignment Matrix (RAM) ○ Concepts of Control Account (CA) plan as a major management control point ○ Overhead cost organization 	<ul style="list-style-type: none"> ○ Integrate Project scope, schedule and cost in WBS ○ Develop WBS, OBS, RAM based on the type and complexity of the project ○ Develop control accounts and control accounts plan to: <ul style="list-style-type: none"> ▪ Define the scope; Responsibility assignment, Work authorization ▪ Cost summarization ▪ Variance analysis and Reporting ○ Document indirect account structure, authority level and controlling indirect cost
Module 3	Planning, Scheduling and Budgeting
End state vision - This module is designed to develop the ability of the learner to understand and implement the concepts of planning and scheduling, rules of performance or methods of progress measurement, Over Target Baseline (OTB) and an Integrated Baseline Review (IBR).	
Understanding	Skills achieved
<p>Planning and Scheduling</p> <ul style="list-style-type: none"> ▪ Planning processes ▪ Opportunity for influence in the project ▪ Performance Measurement Baseline (PMB) ▪ Elements of direct and indirect costs ▪ Methods of project performance measurement ▪ Integrated Baseline Review (IBR) ▪ Over Target baseline (OTB) 	<ul style="list-style-type: none"> ○ Develop planning specifications ○ Develop the PMB ○ Document and implement methods for project performance measurement ○ Perform the Integrated Baseline Review (IBR) ○ Develop methodology to implement the change or re-baselining ○ Perform schedule health check based on DCMA 14 points ○ Perform risk management for the project

<p>Risk</p> <ul style="list-style-type: none"> ▪ The risk management process ▪ Risk assessment, techniques and handling strategy ▪ Cost and schedule risks ▪ Types of contingencies 	<ul style="list-style-type: none"> ○ Estimate the impact of the risk and incorporate cost and schedule contingency into the project baseline ○ Divide project estimate into direct cost and indirect cost ○ Document the method for controlling Management Reserves (MR)
<p>Module 4</p>	<p>Accounting Considerations</p>
<p>End state vision - This module is designed to develop the ability of the learner to understand Cost Accounting Standards (CAS), Collection and reporting of project actuals (AC) and Mapping actual costs to the appropriate final cost objective.</p>	
<p>Understanding</p>	<p>Skills achieved</p>
<ul style="list-style-type: none"> ○ Accounting system Identification ○ EVMS accounting requirements for detailed and accurate data for variance analysis ○ How to organize the cost ○ Control account actuals 	<ul style="list-style-type: none"> ○ Develop consistent, accurate collection and reporting of the actual cost and accruals ○ Ensures that actual costs are collected and compared to the performance in the same manner as planned ○ Ensure accurate summarization and mapping of the costs from the General Accounting ledger to the control account actual cost (WBS rollup) ○ Develop Material Account System (Material Cost Accumulation)
<p>Module 5</p>	<p>Analysis and Management Reports</p>
<p>End state vision - This module is designed to develop the ability of the learner to understand progress reporting, variance reporting, customer reporting submittals and analyse the project performance.</p>	
<p>Understanding</p>	<p>Skills achieved</p>
<p>Review and understand the following:</p> <ul style="list-style-type: none"> ○ Key parameters of progress reporting ○ Performance indices and metrics ○ Statistical Forecasting for Estimate At Complete (EAC) ○ Variance calculations ○ Monthly project reporting process (inputs and outputs) 	<ul style="list-style-type: none"> ○ Document the monthly progress reporting cycle and responsibility matrix ○ Calculate EAC and ETC ○ Preparation of the Cost Performance Report (CRP) ○ Generates planning and performance data at the appropriate level for decision-making ○ Variance Analysis and reporting ○ Identify and document causes for deviations ○ Prepare data quality report for the reporting
<p>Module 6</p>	<p>Revisions and Data Maintenance</p>
<p>End state vision - This module is designed to develop the ability of the learner to understand the concepts of revisions and data maintenance and systematic method to deal with the changes.</p>	
<p>Understanding</p>	<p>Skills achieved</p>
<ul style="list-style-type: none"> ○ Understand the types of changes: <ul style="list-style-type: none"> ▪ External or Customer directed ▪ Internal ▪ Reprogramming ○ Change control process ○ Conditions for formal reprogramming 	<ul style="list-style-type: none"> ○ Document the change control process ○ Perform formal reprogramming or re-baselining. ○ Reconcile the changes ○ Maintains a record log of all Baseline Changes ○ Perform retroactive changes

Note:

Additionally, PCI has enhanced the course by including case studies, mock exams, evaluations, assessments and full exam. This approach brings realism in the course, develops competency and creates an environment that enables it to attract, develop and retain individuals who can contribute towards business the objectives.