

Earned Value Management Fundamentals Course Brochure

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1. Course Overview

Course: Earned Value Management – An Introduction into EVM Level: Practitioner

This course allows the candidate to demonstrate knowledge of Earned Value Management concepts, tools and techniques right from the planning and budgeting of the project through execution and reporting. The concept of the course is to introduce the participants to the principles of earned value management in order to obtain a better understanding of project evolution. They will be able to interpret the project status and understand the effects on the business case and final outcome of the project.

Eligibility requirements: There is no formal entry requirement to take this course. However, it's recommended that candidates have an intermediate level of understanding of project management basics, scheduling, budgeting and execution.

2. Course Duration

Course duration: 2.5 hours of on-demand video

This course will be delivered as a full online course and final test.

3. Learning Outcomes

By the end of this course you will be able to:

- ▶ Define and Calculate the EVM parameters Planned Value (PV), Earned Value (EV) and Actual Cost (AC)
- ▶ Report the project schedule and cost position using the EVM parameters
- ▶ Calculate the Schedule and Cost Variances and Indices and the Cost Schedule Index
- ▶ Determine the status of the project using different parameters
- ▶ Estimate the Cost at Completion, and Variance at Completion using different approaches and formulas
- ▶ Identify the problem using Schedule Variance
- ▶ Apply the Formulas on a Case Project

4. Course Syllabus

Module#	Module Description
1	Introduction
1.1	Course navigation
1.2	Opening Address to the Participants
1.3	Content and Learning Outcomes of the Course
1.4	Practical Arrangements
1.5	Recapitulation of Section 1
2	Project Follow up and Earned Value
2.1	Introduction and Learning Outcomes of section 2
2.2	Project Schedule and Cost Baseline or S-curve
2.3	Classical Approach to Project Follow up
2.4	Defining the Problem
2.5	Introducing Earned Value and Actual Cost
3	The Earned Value Approach
3.1	Introduction and Learning Outcomes section 3
3.2	Defining and Measuring the Earned Value
3.3	Project Schedule Position
3.4	Defining and Measuring the Actual Cost
3.5	Project Cost Position
3.6	Reporting Status
3.7	Application on Project "Frisbee"
4	Earned Value Parameters
4.1	Introduction and Learning Outcomes section 4
4.2	Schedule and Cost Variance
4.3	Schedule and Cost Performance Index. Cost Schedule Index
4.4	The Different Estimates at Completion
4.5	To Complete Performance Index
4.6	Application on Project "Frisbee"
5	Practical Use of Earned Value Management
5.1	Introduction and Learning Outcomes section 5
5.2	The Problem with Schedule Variance and the Reason for Earned Schedule Management
5.3	Costs to Consider for EVM
5.4	Use EVM parameters and decision making
5.5	Video Asking for feedback about the course
6	Final Test
6.1	Introduction and Learning Outcomes to Section 6
6.2	Quick Review Section 2 - Project Follow Up and Earned Value
6.3	Quick Review Section 3 - The Earned Value Approach
6.4	Quick Review Section 4 - Earned Value Parameters
6.5	Quick Review Section 5 - Practical Use of Earned Value
6.6	Closing Course

5. Intended Audience

This course is intended for those who are interested in augmenting or brushing up their earned value management skills and knowledge. Potential course audience would be planners, schedulers, cost engineers, contract administrators, project managers, reporting engineers, project control professionals and all those professionals who are associated with the project management.

Project Managers having a PMP, CAPM or other equivalent certificate can use the course to claim 2.5 PDUs in the following categories: technical – 2 PDUs, strategic and business – 0.25 PDUs, leadership –0.25 PDUs.

Note – Our course brochures are updated on a regular basis for continuous improvement