

€ TRAINING

Conference on Earned Value Management
for Project Performance Measurement





Conference on Earned Value Management for Project Performance Measurement

Introduction:

This conference is designed to provide participants with comprehensive knowledge of Earned Value Management EVM and its application in project performance measurement. Through it, participants will learn how to apply EVM techniques to enhance project tracking, control costs, and assess progress effectively.

Conference Objectives:

By the end of this conference, participants will be able to:

- Master the fundamentals of Earned Value Management EVM.
- Use EVM metrics to measure and analyze project performance.
- Integrate EVM with project management practices to control scope, schedule, and cost.
- Apply forecasting techniques using EVM for accurate project completion predictions.
- Communicate project performance using EVM data to stakeholders.

Targeted Audience:

- Project Managers.
- Financial Analysts.
- PMO Directors.
- Program Managers.
- Risk Management Specialists.
- Senior Project Leaders.

Conference Outline:

Unit 1:

Introduction to Earned Value Management EVM:

- Key concepts of EVM: Planned Value PV, Earned Value EV, and Actual Cost AC.
- Understanding the relationship between cost, schedule, and scope.

- The importance of EVM in modern project management.
- Setting the foundation for EVM in various project environments.
- Introduction to key EVM performance metrics: CPI and SPI.

Unit 2:

Project Planning and Establishing Baselines:

- Steps to developing the Work Breakdown Structure WBS.
- Defining project baselines for scope, schedule, and cost.
- Linking EVM to project milestones and objectives.
- Setting measurable performance targets.
- Strategies for ensuring accurate baseline establishment for effective EVM.

Unit 3:

Collecting and Analyzing EVM Data:

- Tools and methods for data collection in EVM.
- Techniques for calculating and interpreting EVM metrics.
- Using CPI and SPI to track project health.
- Identifying project performance trends through EVM analysis.

Unit 4:

Managing Project Cost and Schedule with EVM:

- Using EVM for effective cost and schedule management.
- Techniques for controlling project scope creep and cost overruns.
- Real-time monitoring of project costs and schedules.
- Communicating cost and schedule performance to stakeholders.
- Applying corrective actions based on EVM data.

Unit 5:

Forecasting and Risk Management with EVM:

- Methods for calculating Estimate at Completion EAC and Estimate to Complete ETC.
- Forecasting project outcomes based on current performance.
- Risk management strategies integrated with EVM.
- Using EVM to mitigate project risks and uncertainties.
- Techniques for maintaining project stability in changing environments.

Unit 6:

Tools and Software for EVM Implementation:

- Overview of commonly used EVM tools and software.
- Criteria for selecting the right EVM software for your organization.
- Implementing EVM tools in project tracking and reporting.
- Leveraging software features for efficient EVM data analysis.
- Importance of the integration of EVM software into existing project management systems.

Unit 7:

Communicating EVM Results:

- Techniques for presenting EVM metrics to stakeholders.
- Creating effective EVM reports for project executives.
- Visualizing project performance with EVM data.
- Customizing communication strategies for different stakeholders.
- Reporting project progress with EVM to drive informed decisions.

Unit 8:

Scaling EVM for Large and Complex Projects:

- Strategies for applying EVM in multi-phase and complex projects.
- Techniques for scaling EVM in cross-functional project teams.
- Managing EVM data in large-scale project environments.

- Advanced forecasting for complex project management.
- Best practices for adapting EVM to large, complex project scenarios.

Unit 9:

Integrating EVM with Agile and Hybrid Methodologies:

- Adapting EVM for Agile project management frameworks.
- Challenges and opportunities when integrating EVM with hybrid models.
- Measuring project performance in Agile environments using EVM.
- Techniques for real-time adjustments in Agile and hybrid projects.

Unit 10:

Leadership and Change Management in EVM Projects:

- Role of leadership in promoting the use of EVM in organizations.
- Leading teams through EVM adoption and integration.
- Managing resistance to change in EVM implementation.
- Fostering a culture of continuous improvement with EVM.
- Developing leadership skills for managing project change using EVM metrics.