

AI-POWERED ACPM WITH EVMS

Plan. Execute. Control. · Cost & Schedule Intelligence

Primavera P6 V25.12 | Microsoft Project 2024 | EVMS | Power BI | AI-Assisted Analytics

AI-Enhanced Advanced Construction Project Management

Transforming Primavera P6 & MS Project Data into Intelligent Project Control, Forecasting and Decision Support

Plan Smart | Control Better | Predict Earlier | Decide Faster

From Project Data to Management Insight

Traditional Project Manager
(Reporting What Happened)

Project Data → Primavera / MS Project → Reports → Human Analysis → Decision

AI-Powered Project Manager
(Understanding Why It Happened & What To Do)

Project Data → Primavera / MS Project → AI Analysis → Risk / Trend / Variance Detection → Management Insight → Decision

AI does NOT replace Primavera P6 or MS Project. AI enhances your ability to analyse, interpret and act on project data.

Same Tools. Greater Insights. Better Decisions.

Your Existing Course Modules and How AI Can Add Value

Sr. No.	Existing Course Module (from Brochure)	AI-Enhanced Capability	Practical Benefit
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Course Overview

This advanced project management course is designed for professionals seeking expertise in planning, executing, and managing projects using Primavera P6V25.12 and Microsoft Project 2024. The curriculum integrates international standards, offering a comprehensive understanding of project setup, scheduling, monitoring, and reporting to enhance efficiency and productivity.

Key Features

- Software Proficiency
 - Primavera P6V25.12
 - Microsoft Project 2024
- Advanced Project Management Concepts
 - ACPM (Advanced Construction Project Management)
 - EVMS (Earned Value Management System)
 - Certified MDEA Project Management Practitioner (MDEA-CPMP)

Course Modules

1. Introduction to GUI and Scope of Software

Understanding graphical user interfaces (GUI) of Primavera P6 and MS Project. Overview of software capabilities and their application in real-world scenarios.

2. Project Setup to International Standards

Defining OBS (Organizational Breakdown Structure), EPS (Enterprise Project Structure), PBS (Product Breakdown Structure), and WBS (Work Breakdown Structure).

Aligning activities and durations as per work contracts.

3. Project Calendar Management

Creating and assigning project calendars for Indian and Gulf contexts.

4. Construction Logic Development

Establishing relationships, lags, and leads.

Manual and auto-scheduling settings.

Forward and backward scheduling techniques.

5. Activity and Step Management

Activity and step concepts for clients and contractors.

Best practices for site monitoring and control.

6. Schedule Updates

Specific methods for updating schedules tailored to client, contractor, and PMC requirements.

7. Work Certification and Documentation

Work certification processes (PPM).

Managerial document control using WPS, documents, and notebooks.

Documentary evidence management.

Setting up project websites for coordination.

8. Advanced Features in P6

Physical % progress updates for clients and contractors.

Utilizing notebooks in Primavera P6 for managerial control.

9. Procurement Schedule Management

Managerial control over procurement schedules.

10. Reporting and Analysis

EVMS reporting and financial S-curve analysis.

Utilizing EAC (Estimate at Completion) methods for project control.

Generating detailed CPM (Critical Path Method) reports and monthly cash flow statements.

Resource control methods and reports.

Resource and activity usage profiles and spreadsheets.

11. Logic and Look-Ahead Planning

Creating logic reports for managerial control.

Developing Look-Ahead Programs (LAP) for forecasting.

Financial S-curve layouts.

12. Network and Variance Analysis

Customizing one-month look-ahead LAPs.

Performing network analyses with multiple parameters.

PMB (Clause 14 Program) alignment.

Variance analysis reporting.

13. Performance Metrics

Generating SPI (Schedule Performance Index) and CPI (Cost Performance Index) control reports.

Course Deliverables

Real-world case studies.

Hands-on exercises with Primavera P6 and Microsoft Project.

Access to templates for work products and managerial documents.

Certification upon successful course completion.

Who Should Attend?

Project managers, planners, and engineers.

Construction professionals involved in large-scale projects.

Individuals pursuing advanced certifications in project management.

Duration 3 months

Training Mode:

Hybrid Learning: Access structured Online Learning System Modules (LSM) and live online sessions to resolve any queries in real-time.

Please click the link below to schedule a Zoom meeting to discuss the scope, delivery methodology, financials, support, and potential opportunities in detail. This will allow us to ensure a thorough understanding and alignment of expectations moving forward.

<https://mdea.co.in/apm/>

Enroll Now

Take your project management skills to the next level with this comprehensive course. For more information or to register, contact us at [+91-8087945509].

Program Fees INR47400/- Payment Link [<https://www.mdea.co.in/bank.htm>]

ACPM WITH EVMS | MCP-PROJECT MANAGEMENT PRACTITIONER
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ORACLE PRIMAVERA | MICROSOFT PROJECT

Earned Value Analysis in Project Management

MDEA Multi Disciplinary Engineering Academy
www.MDEA.co.in

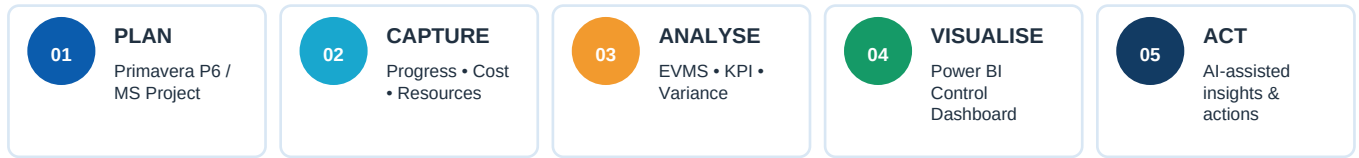
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MDEA Professional Certified Project Management Practitioner

From P6 / MS Project data to management decisions

Integrate Advanced Construction Project Management (ACPM), Earned Value Management System (EVMS), Power BI and AI-assisted analytics into one construction project-control workflow.



EVMS CONTROL	POWER BI	AI-ASSISTED CONTROL
- PV, EV and AC tracking - SPI and CPI performance - EAC / ETC forecasting - S-curve & variance analysis	- Interactive KPI dashboards - Drill-down by project / WBS - Trend and variance visuals - Management reporting views	- Identify emerging deviations - Highlight risk signals - Generate management insights - Support faster action planning

Illustrative Executive KPI Strip

SCHEDULE SPI 0.92 Below 1.00	COST CPI 0.96 Below 1.00	PROGRESS 78% Actual	FORECAST EAC ■128Cr ■128Cr
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Construction Control Questions the Dashboard Should Answer

Schedule	Where is slippage concentrated? Which WBS / activities require intervention?
Cost	Is actual cost tracking with earned value? Where is cost variance emerging?
Forecast	What is the current EAC and what assumptions drive the forecast?
Resources	Which resources / work fronts are under- or over-utilised?

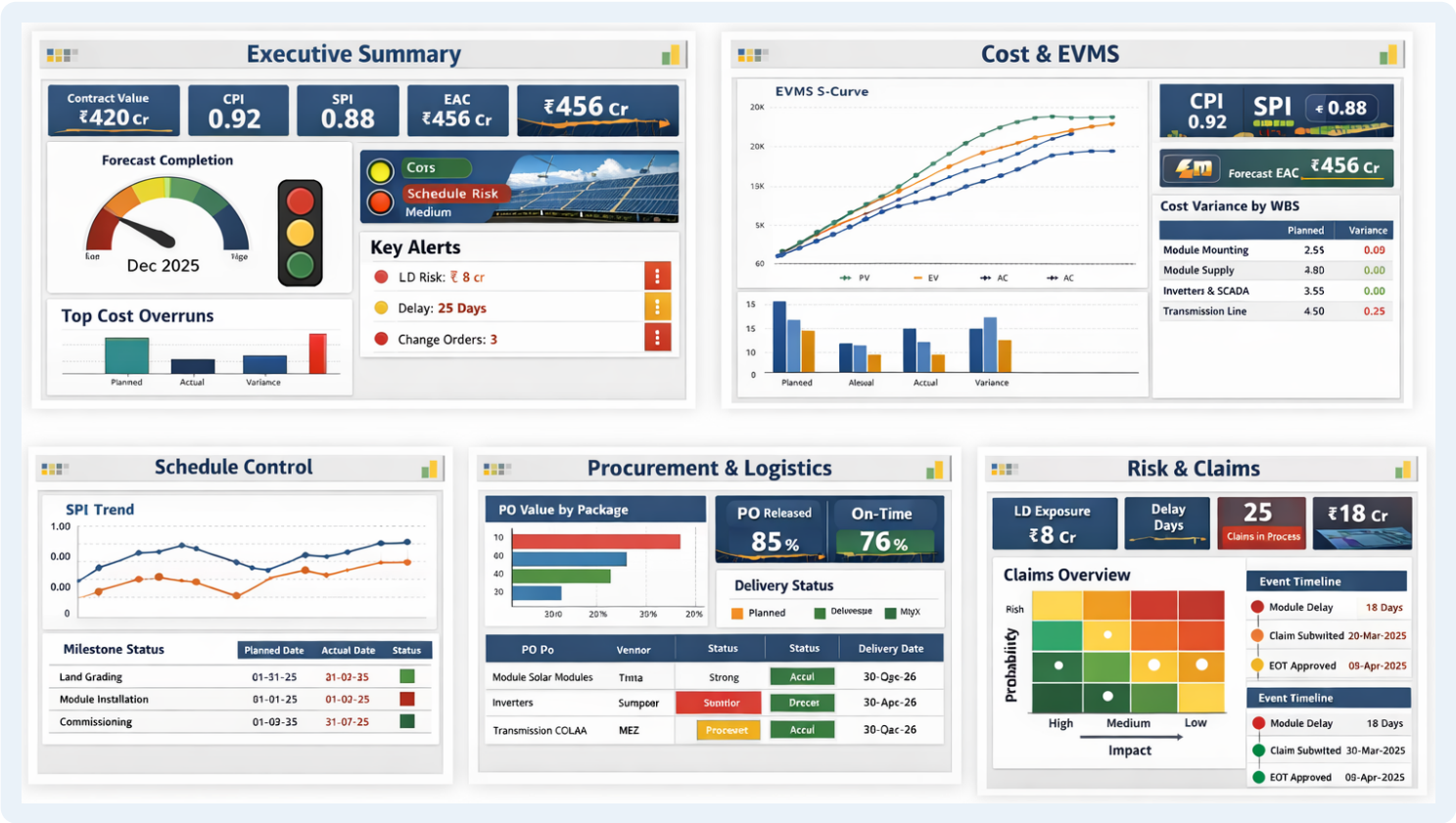
Recommended dashboard pages for the ACPM + EVMS learning pathway

1. Executive Overview 2. Schedule & Critical Path 3. EVMS / Cost Control 4. Resource & Productivity 5. Procurement 6. Look-Ahead & Variance 7. AI-Assisted Insights

Proposed professional enhancement based on the supplied brochure and MDEA's current AI-ACPM page.

SAMPLE POWER BI CONTROL DASHBOARDS

Executive · Cost & EVMS · Schedule · Procurement · Risk & Claims



Illustrative Management Dashboard

Demonstrates how project-control information can be presented for management review.

- Executive Summary: contract value, CPI, SPI, EAC, forecast completion and key alerts
- Cost & EVMS: S-curve, cost variance by WBS and EVMS indicators
- Schedule Control: SPI trend and milestone status
- Procurement & Logistics: package values, PO status and delivery status
- Risk & Claims: LD exposure, delay, claims and event timeline