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COURSE BROCHURE

AI in Contract and Project Management Training Course

19 – 23 September 2027
Muscat

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Registered in the United Kingdom and Saudi Arabia

AI in Contract and Project Management Training Course

Ref: 36_929 **Date:** 19 – 23 September 2027 **Location:** Muscat **Fees:** 6500 GBP

AI in Contract and Project Management is a 1-week training course for project managers, contract managers and PMO leads, who leave with an AI use plan for one contract and project portfolio. Contract terms and schedules are usually managed apart, yet most overruns begin where a clause, a variation and a delay meet. Jupiter Prime Training runs this course on AI in contract and project management for those who control commercial and delivery outcomes.

Why AI in Contract and Project Management Matters Now

Three forces shape AI in contract and project management today: language models that read contracts and correspondence at scale, scheduling and cost data that machine learning can mine for early slippage, and clients who expect faster, better evidenced change and claim decisions. Organisations that connect these sources catch entitlement and delay exposure while it is still cheap to resolve; those that keep contract files and project controls in separate silos discover disputes only at final account. Examples come from infrastructure construction and long-term facilities services contracts. AI risk is treated with ISO/IEC 42001 for AI management systems and the NIST AI Risk Management Framework AI RMF.

Who Gains Most from AI in Contract and Project Management

- Project managers responsible for schedule, budget and change control on contracted work
- Contract managers who administer clauses, notices, variations and payment terms
- PMO leads who own portfolio reporting and project controls standards
- Commercial staff who value changes and prepare claims
- Planning and cost control specialists who maintain baselines and forecasts

The strongest gain comes when a project manager, a contract manager and a PMO lead responsible for the same portfolio attend together.

AI in Contract and Project Management Capabilities

Participants learn to read contract terms and schedule data as one commercial and delivery picture.

- Apply AI clause extraction to map notice periods, change mechanisms and liabilities — contract owners
- Test schedule and cost risk prediction models against baseline and progress data — project sponsors
- Assess variation and claims patterns with text and event analytics — commercial directors
- Design automated project reports that combine contractual and delivery indicators — PMO boards
- Weigh accuracy, confidentiality and oversight needs for each AI use case — legal and risk partners
- Build an AI use plan for a contract and project portfolio with owners and measures — portfolio leadership

Key AI in Contract and Project Management Terms

- Clause Extraction — using language models to locate and label contract provisions such as notices, penalties and change rules.
- Variation — a formal change to the scope, time or price agreed under the contract's change mechanism.
- Schedule Risk Prediction — estimating the likelihood and size of delay from activity, progress and resource data.
- Claims Analytics — examining correspondence, events and records to assess entitlement and quantum in disputes.
- Earned Value — a method comparing planned, earned and actual cost to measure project performance.
- Automated Project Reporting — generating status, risk and contract summaries directly from project systems.

AI in Contract and Project Management Day by Day

Day 1: Where Contracts and Projects Meet

- Contract-to-Schedule Linkage Map — Clauses Driving Time and Cost Exposure
- Common Overrun Pathways — Late Notices, Unpriced Changes and Disputes
- Contract and Project Data Sources — Documents, Schedules, Logs and Ledgers
- AI Opportunity Scan Across the Portfolio — Value and Feasibility Scoring
- Confidentiality and Data Handling Rules — What Models May Read

Day 2: AI Contract Review and Clause Extraction

- Clause Extraction With Language Models — Notices, Liabilities and Change Rules
- Obligation Registers Built From Contract Text — Deadline Tracking Choices
- Deviation Checks Against Standard Positions — Negotiation Priorities
- Correspondence Classification — Early Warning and Notice Detection
- Reviewer Sign-Off Points — Accuracy Testing of Extracted Terms

Day 3: Schedule and Cost Risk Prediction

- Delay Prediction From Activity and Progress Data — Milestone Exposure
- Cost Overrun Forecasting With Earned Value Inputs — Contingency Decisions
- Quantitative Schedule Risk Simulation Assisted by AI — Confidence Levels
- Supplier and Subcontractor Performance Signals — Intervention Triggers
- Forecast Accuracy Tracking — When to Trust Model Outputs

Day 4: Claims Analytics and Automated Reporting

- Variation and Change Log Analytics — Patterns Behind Scope Growth
- Claims Evidence Assembly With AI Search — Entitlement and Quantum Support
- Dispute Likelihood Indicators — Early Settlement Choices
- Automated Status and Contract Reports — Combining Delivery and Commercial Measures
- ISO/IEC 42001 and NIST AI RMF Controls — Contract and Project Model Risk

Day 5: Practising the AI Use Plan

- Portfolio Exposure Profile — Applying the Contract-to-Schedule Map
- Contract Review and Notice Tracking Set-Up — Applying Clause Extraction
- Risk Forecast and Claims Watchlist — Applying Prediction and Analytics
- Reporting Pack and Oversight Rules — Owners, Reviews and Escalation
- AI Use Plan for the Contract and Project Portfolio — Presentation to Leadership

Applying AI in Contract and Project Management After the Course

- Run clause extraction on one live contract and build an obligation register with notice deadlines
- Compare a delay prediction for one project with the current baseline and agree mitigation with the planner

AI in Contract and Project Management Questions FAQ

What is AI in contract and project management and why does it matter now?

AI in contract and project management uses language models and predictive analytics to connect contract terms with schedule, cost and claims data. It matters now because most overruns arise where commercial and delivery information is managed separately.

Which roles gain most from AI in contract and project management training?

Project managers, contract managers, PMO leads and commercial staff gain most. They manage changes, notices, forecasts and claims and need one evidence base.

How does AI in contract and project management training differ from a longer advanced course on AI in contract management?

It is a compact edition that joins contract and project controls in one view, covering clause extraction, delay prediction, claims analytics and reporting together rather than each discipline in depth.

What do you bring back from AI in contract and project management training?

You bring back an AI use plan for one contract and project portfolio. It sets exposure priorities, clause extraction and notice tracking, risk forecasts, a claims watchlist and reporting with oversight rules.

AI in Contract and Project Management: The Way Forward

The AI use plan for the contract and project portfolio first informs which contracts receive automated clause extraction and which projects get delay forecasting. Project, contract and PMO leads use it to assign owners and schedule reviews. After the first reporting cycle, revisit how accurately notices and forecasts matched events, since early results show where human review must stay tight.