

PROCUREMENT & SUPPLY CHAIN

AI-Powered Procurement & Intelligent Sourcing 2030

A two-day programme in ai procurement & intelligent sourcing, with eight modules and workplace application.



DURATION 2 days

DELIVERY Public or in-house

Why this programme

Artificial Intelligence and automation are radically redefining how procurement functions operate. This forward-looking course demystifies AI, machine learning, natural language processing, and autonomous sourcing tools. Participants will gain practical insights on integrating intelligent tools into contract analysis, spend categorization, predictive sourcing, and automated vendor interactions safely and ethically.

What participants will learn

- 01** Automated Workflows: Reduce cycle times by deploying AI agents for repetitive sourcing and compliance tasks.
- 02** Predictive Decision Making: Leverage machine learning to anticipate market shifts, risk events, and demand.
- 03** Intelligent Contracting: Use AI tools for fast, accurate contract review, clause analysis, and compliance tracking.
- 04** Ethical AI Governance: Implement robust frameworks to manage data privacy, algorithmic bias, and security.

Who should attend

Procurement and sourcing professionals, supply chain managers, supplier relationship teams, operations leaders and inventory or warehouse managers.

How you will learn

Trainer-led explanation and discussion connect the module topics to workplace application.

Detailed programme

Day 1: AI Fundamentals & Autonomous Sourcing

01 The AI-Driven Procurement Revolution

- Overview of AI, Machine Learning, and Generative AI in procurement context.
- Mapping AI capabilities across the Source-to-Pay (S2P) lifecycle.
- Identifying high-impact AI use cases and ROI metrics.

02 Autonomous Sourcing & E-Auction Algorithms

- How AI automates tail spend and low-complexity sourcing events.
- Intelligent e-auction design and dynamic pricing algorithms.
- Automating RFX creation, distribution, and response evaluation.

03 AI in Spend Analysis & Categorization

- Machine learning models for automated spend classification.
- Anomalies detection and fraud identification using pattern recognition.
- Real-time data enrichment from external market feeds.

04 Predictive Analytics for Supply & Price Forecasting

- Predictive modeling for price fluctuations and supply disruptions.
- Sentiment analysis on supplier health and market dynamic news feeds.
- Demand forecasting integration with procurement planning.

Detailed programme

Day 2: Intelligent Contracting, Risk & Implementation Roadmap

05 Generative AI for Contract Lifecycle Management (CLM)

- Automated contract drafting, redlining, and clause analysis.
- AI-powered metadata extraction and obligation tracking.
- Identifying hidden contractual risks and non-standard terms automatically.

06 AI-Enhanced Supplier Risk Management

- Continuous multi-tier supply network monitoring via digital signals.
- Early-warning risk identification systems (financial, climate, geopolitical).
- Automated compliance verification and audit trail generation.

07 Ethical AI, Data Security & Governance

- Managing algorithmic bias and data privacy issues.
- Securing proprietary spend and supplier data in commercial AI platforms.
- Establishing human-in-the-loop (HITL) operational protocols.

08 Building the AI Procurement Strategy & Roadmap

- Assessing organizational AI readiness and technology stack.
- Change management: Upskilling teams for human-AI collaboration.
- Developing a pragmatic phased implementation strategy for 2030.

How you will learn

Trainer-led explanation and discussion connect the module topics to workplace application.

TRAINER PROFILE

Dr Jude Selvaraj Joseph

A master trainer and consultant with more than 25 years of corporate experience across education, hospitality, logistics and supply chain. His work connects leadership, people development and operational improvement.

Trainer availability is confirmed for each programme.

Confirm HRD Corp (HRDF) eligibility and claim arrangements with ISDS before booking. Where applicable, claims are arranged through Orange Revolution.

Plan your training with ISDS

Discuss fees, delivery options and a programme suited to your team.

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