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COURSE BROCHURE

# AI Spend Analytics and Inbound Logistics Training Course

19 – 23 April 2027
Singapore

# AI Spend Analytics and Inbound Logistics Training Course

**Ref:** 898_33919 **Date:** 19 – 23 April 2027 **Location:** Singapore **Fees:** 9300 GBP

AI Spend Analytics and Inbound Logistics is a 1-week training course for procurement managers, logistics planners and supply chain analysts, who leave with an Inbound Spend and Flow Scorecard for one category they buy. Purchase ledgers, supplier records and dock schedules now sit in systems that machine learning can read together, linking what is bought to how it arrives. Jupiter Prime Training runs this course.

## Why AI Spend Analytics and Inbound Logistics Matters Now

Three pressures meet here. Finance leaders want every invoice line mapped to a category so savings claims can be tested. Suppliers face shocks from weather, insolvency and capacity limits that surface in delivery data before contracts show them. An organisation that classifies spend accurately and sees supplier signals early negotiates from evidence; one that does not buys blind. The course draws on ISO/IEC 42001 AI management system and the NIST AI Risk Management Framework AI RMF to govern automated buying decisions.

## Who Gains Most from AI Spend Analytics and Inbound Logistics

- Those who own category spend and must explain where each invoice line belongs
- Those who monitor supplier health and decide when to qualify an alternative source
- Those who plan inbound freight, carrier bookings and dock appointments
- Those who lay out receiving and storage locations in distribution centres
- Those who evaluate analytics vendors and approve automated purchase rules

A buying group whose category lead, inbound planner and analyst attend together gains most.

## AI Spend Analytics and Inbound Logistics Capabilities

Participants connect an untidy purchase ledger to the trucks and pallets that follow each order.

- Build a spend cube with machine-learning classification of free-text invoice lines — the category strategy owner
- Calculate supplier risk scores from delivery, financial and news signals — the dual-sourcing decision
- Apply demand sensing to short-horizon replenishment — the buyer setting order quantities
- Test route and load consolidation options for inbound freight — the transport planner booking carriers
- Design slotting rules for receiving and reserve storage — the warehouse supervisor
- Specify approval thresholds and audit trails for automated buying — the finance controller and auditors

## Key AI Spend Analytics and Inbound Logistics Terms

- Spend cube — a view of purchases organised by supplier, category and business unit.
- Spend classification — assigning each purchase line to a category taxonomy.
- Supplier risk score — a composite measure of the likelihood that a supplier fails to deliver as agreed.
- Demand sensing — short-term forecasting that uses recent orders and external signals to adjust replenishment.
- Inbound consolidation — combining shipments from several suppliers into fuller loads.
- Slotting — assigning products to storage locations according to movement speed, size and picking pattern.

## AI Spend Analytics and Inbound Logistics Day by Day

### Day 1: Ledger and Freight Data Readiness

- Purchase Ledger, Item Master and Supplier Master Audit — Fixing Data Before Modelling
- Category Taxonomy Selection and Mapping — Agreeing How Spend Is Grouped
- Shipment, Dock and Carrier Records — Linking Orders To Physical Arrivals
- Duplicate Supplier and Unit-Of-Measure Cleansing — Trusting Volume Comparisons
- Data Readiness Checklist For Analytics Vendors — Scoping What Tools Can Use

### Day 2: Classifying Spend and Scoring Suppliers

- Text Classification Of Invoice Descriptions — Raising Category Coverage Of Spend
- Spend Cube Construction And Tail Spend Views — Locating Consolidation Opportunities
- Supplier Risk Signals From Delivery And Financial Data — Ranking Exposure By Category
- News And Event Monitoring Feeds — Early Warning Of Supplier Disruption
- Price Variance And Contract Leakage Detection — Recovering Off-Contract Purchases

### Day 3: Sensing Demand and Moving Goods

- Demand Sensing Models For Replenishment — Adjusting Order Quantities Weekly
- Lead Time Variability Estimation — Setting Safety Stock For Purchased Items
- Inbound Route And Milk-Run Optimisation — Choosing Collection Sequences From Suppliers
- Load Consolidation And Dock Appointment Scheduling — Cutting Waiting At Receiving
- Landed Cost Modelling — Comparing Suppliers On Delivered Cost

### Day 4: Warehouse Slotting and Automated Buying Controls

- Velocity-Based Slotting Algorithms — Placing Fast Movers Near Receiving And Picking
- Cross-Docking Rules For Inbound Flows — Deciding What Bypasses Storage
- Automated Purchase Order Triggers — Setting Approval Thresholds And Exceptions
- Oversight Under ISO/IEC 42001 And NIST AI RMF — Documenting Model Limits For Auditors
- Analytics Vendor Evaluation Matrix — Selecting Spend And Logistics Platforms

## Day 5: Practising the Inbound Scorecard

- Applying Spend Classification To A Participant Category — Confirming The Baseline
- Applying Supplier Risk Scores To Sourcing Options — Choosing Backup Sources
- Applying Consolidation And Slotting Changes — Estimating Landed Cost Effect
- Scorecard Indicators For Spend, Risk And Freight — Agreeing Monthly Measures
- Assembling The Inbound Spend And Flow Scorecard — Presenting To Category Owners

## Applying AI Spend Analytics and Inbound Logistics After the Course

- Run text classification on one quarter of invoice lines for a single category and share the cleaned spend cube with its owner.
- Score the top suppliers of that category for delivery risk and propose one inbound consolidation change to the transport planner.

## AI Spend Analytics and Inbound Logistics Questions FAQ

### What is AI spend analytics and inbound logistics, and why does it matter now?

It is the use of machine learning to classify purchases, score suppliers and plan how bought goods arrive and are stored. It matters now because spend and freight data sit in connected systems, so buying and inbound decisions can share evidence.

### Which roles gain most from AI spend analytics and inbound logistics?

Category managers, supplier risk owners, inbound transport planners and warehouse layout specialists gain most.

### How does AI spend analytics and inbound logistics differ from a general AI supply chain course?

It concentrates on the buy side and inbound flow. Rather than end-to-end network planning or strategic sourcing, it works on invoice classification, supplier risk scores, inbound consolidation and slotting.

### What do you bring back from AI spend analytics and inbound logistics training?

You bring back a scorecard for one category you buy. It links classified spend, supplier risk scores, inbound freight options and slotting changes to monthly measures.

## AI Spend Analytics and Inbound Logistics: The Way Forward

The Inbound Spend and Flow Scorecard first informs whether a category needs a backup supplier or a consolidated inbound route. Category owners and transport planners use it monthly. After its first use, the perspective worth revisiting is the category taxonomy itself, since misplaced spend lines can hide the suppliers that matter most to inbound flow.