Datastat Research
Building Capacity in Training and Research

DATASTAT TRAINING IN

OFFICIAL COURSE PROSPECTUS

Center for Advanced Research & Professional Development

Nairobi Training Center • Global Virtual Academy • Corporate On-Site

ACCOUNTING AND FINANCE

AI-Driven Accounts Payable and Procurement Analytics Training Course

Comprehensive Course Syllabus, Practical Modules & Upcoming Schedules

PROGRAM SPECIFICATIONS & HIGHLIGHTS

DURATION
5 Days Practical Hands-on

DELIVERY MODES
In-Person Class & Live Virtual

CERTIFICATION
Accredited Certificate of Completion

INTAKES / DATES
Multiple Cohort Schedules Included

PREPARED FOR:

Valued Participant

Email: training@datastatresearch.org | Issued: November 24, 2026

Academic & Professional Training Year: 2026

DATASTAT TRAINING INSTITUTE

P.O. Box 102802-00101, Nairobi, Kenya

Training Centers: Nairobi • Mombasa • Kigali • Dubai • Live Virtual Academy

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AI-Driven Accounts Payable and Procurement Analytics Training Course

Accounting and Finance • 5 Days Intensive • Accredited Certification

Course Overview

AI-Driven Accounts Payable and Procurement Analytics Training Course is designed to equip finance, procurement, and supply chain professionals with advanced knowledge and practical skills in artificial intelligence, machine learning, financial automation, and data analytics.

Key Skills & Software Tools Covered

MS Word • Microsoft Excel • SAP Ariba • and Oracle NetSuite ERP

Upcoming Training Schedules

Confirmed cohort intakes and venues. Both physical in-person classroom and live virtual online seats are available.

TRAINING DATES	LOCATION / VENUE	FORMAT / DURATION	INVESTMENT (FEE)
30 Nov 2026 – 4 Dec 2026	Nairobi	Classroom / 5d	**$1,500 USD / KES 110,000**
7 Dec 2026 – 11 Dec 2026	Nairobi	Classroom / 5d	**$1,500 USD / KES 110,000**
14 Dec 2026 – 18 Dec 2026	Nairobi	Classroom / 5d	**$1,500 USD / KES 110,000**
21 Dec 2026 – 25 Dec 2026	Nairobi	Classroom / 5d	**$1,500 USD / KES 110,000**
28 Dec 2026 – 1 Jan 2027	Nairobi	Classroom / 5d	**$1,500 USD / KES 110,000**
4 Jan 2027 – 8 Jan 2027	Nairobi	Classroom / 5d	**$1,500 USD / KES 110,000**
11 Jan 2027 – 15 Jan 2027	Nairobi	Classroom / 5d	**$1,500 USD / KES 110,000**
18 Jan 2027 – 22 Jan 2027	Nairobi	Classroom / 5d	**$1,500 USD / KES 110,000**
25 Jan 2027 – 29 Jan 2027	Nairobi	Classroom / 5d	**$1,500 USD / KES 110,000**
1 Feb 2027 – 5 Feb 2027	Nairobi	Classroom / 5d	**$1,500 USD / KES 110,000**
8 Feb 2027 – 12 Feb 2027	Nairobi	Classroom / 5d	**$1,500 USD / KES 110,000**
15 Feb 2027 – 19 Feb 2027	Nairobi	Classroom / 5d	**$1,500 USD / KES 110,000**
22 Feb 2027 – 26 Feb 2027	Nairobi	Classroom / 5d	**$1,500 USD / KES 110,000**
1 Mar 2027 – 5 Mar 2027	Nairobi	Classroom / 5d	**$1,500 USD / KES 110,000**
8 Mar 2027 – 12 Mar 2027	Nairobi	Classroom / 5d	**$1,500 USD / KES 110,000**
15 Mar 2027 – 19 Mar 2027	Nairobi	Classroom / 5d	**$1,500 USD / KES 110,000**
22 Mar 2027 – 26 Mar 2027	Nairobi	Classroom / 5d	**$1,500 USD / KES 110,000**
29 Mar 2027 – 2 Apr 2027	Nairobi	Classroom / 5d	**$1,500 USD / KES 110,000**
5 Apr 2027 – 9 Apr 2027	Nairobi	Classroom / 5d	**$1,500 USD / KES 110,000**
12 Apr 2027 – 16 Apr 2027	Nairobi	Classroom / 5d	**$1,500 USD / KES 110,000**
19 Apr 2027 – 23 Apr 2027	Nairobi	Classroom / 5d	**$1,500 USD / KES 110,000**
26 Apr 2027 – 30 Apr 2027	Nairobi	Classroom / 5d	**$1,500 USD / KES 110,000**

3 May 2027 – 7 May 2027	Nairobi	Classroom / 5d	**$1,500 USD / KES 110,000**
10 May 2027 – 14 May 2027	Nairobi	Classroom / 5d	**$1,500 USD / KES 110,000**
17 May 2027 – 21 May 2027	Nairobi	Classroom / 5d	**$1,500 USD / KES 110,000**
24 May 2027 – 28 May 2027	Nairobi	Classroom / 5d	**$1,500 USD / KES 110,000**
31 May 2027 – 4 Jun 2027	Nairobi	Classroom / 5d	**$1,500 USD / KES 110,000**
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2 Aug 2027 – 6 Aug 2027	Nairobi	Classroom / 5d	**$1,500 USD / KES 110,000**
9 Aug 2027 – 13 Aug 2027	Nairobi	Classroom / 5d	**$1,500 USD / KES 110,000**
16 Aug 2027 – 20 Aug 2027	Nairobi	Classroom / 5d	**$1,500 USD / KES 110,000**
23 Aug 2027 – 27 Aug 2027	Nairobi	Classroom / 5d	**$1,500 USD / KES 110,000**
30 Aug 2027 – 3 Sep 2027	Nairobi	Classroom / 5d	**$1,500 USD / KES 110,000**
6 Sep 2027 – 10 Sep 2027	Nairobi	Classroom / 5d	**$1,500 USD / KES 110,000**
13 Sep 2027 – 17 Sep 2027	Nairobi	Classroom / 5d	**$1,500 USD / KES 110,000**
20 Sep 2027 – 24 Sep 2027	Nairobi	Classroom / 5d	**$1,500 USD / KES 110,000**
27 Sep 2027 – 1 Oct 2027	Nairobi	Classroom / 5d	**$1,500 USD / KES 110,000**
4 Oct 2027 – 8 Oct 2027	Nairobi	Classroom / 5d	**$1,500 USD / KES 110,000**
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* Corporate discounts and customized cohort scheduling are available for teams of 3 or more participants.

Course Curriculum & Modules

AI-Driven Accounts Payable and Procurement Analytics Training Course

Introduction

AI-Driven Accounts Payable and Procurement Analytics Training Course is designed to equip finance, procurement, and supply chain professionals with advanced knowledge and practical skills in artificial intelligence, machine learning, financial automation, and data analytics. As organisations increasingly embrace digital transformation, artificial intelligence is reshaping accounts payable operations through intelligent invoice processing, automated payment reconciliation, fraud detection, predictive analytics, and real-time financial reporting. This course explores how AI-powered technologies improve invoice accuracy, accelerate payment cycles, strengthen financial controls, and optimise procurement expenditure while reducing operational costs and manual workloads.

Participants will gain practical insights into AI-driven spend analytics, supplier performance monitoring, predictive procurement, intelligent document processing, and automated accounts payable workflows. Through international case studies and practical applications, the course demonstrates how organisations can leverage predictive modelling, robotic process automation, natural language processing, and business intelligence to enhance supplier relationships, improve working capital management, and support strategic sourcing decisions. It also examines AI governance, data privacy, regulatory compliance, and responsible automation to help organisations build transparent, efficient, and data-driven finance and procurement functions.

Course Objectives

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

- Understand AI applications in accounts payable and procurement analytics.
- Implement intelligent invoice processing and financial automation.
- Apply machine learning to detect payment anomalies and fraud.
- Analyse procurement expenditure using advanced data analytics.
- Develop predictive models for supplier performance evaluation.
- Automate invoice matching and payment reconciliation.
- Apply robotic process automation to financial workflows.
- Use predictive analytics for procurement forecasting.
- Strengthen financial controls through AI-powered monitoring.
- Improve working capital through payment optimisation.
- Apply natural language processing to procurement documents.
- Develop data-driven strategic sourcing decisions.
- Establish responsible AI governance and compliance frameworks.

Organizational Benefits

- Reduced accounts payable processing costs and administrative workloads.
- Improved invoice accuracy and payment processing efficiency.
- Enhanced procurement transparency and expenditure visibility.
- Early identification of fraudulent transactions and payment anomalies.
- Improved supplier performance and relationship management.
- Better cash flow forecasting and working capital optimisation.
- Increased procurement savings through intelligent spend analysis.
- Stronger financial compliance and internal control systems.
- Faster procurement decision-making through predictive insights.
- Improved operational efficiency through end-to-end automation.

Target Audiences

- Accounts Payable Managers and Officers.
- Procurement and Supply Chain Managers.
- Finance Directors and Financial Controllers.

- Data Analysts and Business Intelligence Professionals.
- Internal Auditors and Risk Management Officers.
- Strategic Sourcing and Category Managers.
- Chief Financial Officers and Finance Executives.
- ERP, Digital Transformation and Automation Specialists.

Course Duration: 5 days

Course Modules

Module 1: Foundations of AI in Accounts Payable and Procurement

- Introduction to artificial intelligence and machine learning in finance.
- Digital transformation of accounts payable and procurement operations.
- AI applications in invoice management and supplier analytics.
- Intelligent automation and financial process optimisation.
- Global case study: Walmart's technology-driven supply chain and procurement operations.
- Practical assessment of AI opportunities in organisational finance functions.

Module 2: Intelligent Invoice Processing and Automation

- Optical character recognition and intelligent document processing.
- Automated invoice capture, classification and validation.
- Three-way matching involving purchase orders, invoices and goods receipts.
- Robotic process automation for invoice approval workflows.
- Global case study: Siemens' digital finance and automation initiatives.
- Practical implementation of automated invoice processing workflows.

Module 3: AI-Driven Procurement Spend Analytics

- Procurement expenditure classification and spend visibility.
- Machine learning for identifying purchasing patterns.
- Supplier consolidation and cost-saving opportunities.
- Predictive analytics for procurement budget management.
- Global case study: Unilever's digital procurement and sourcing analytics.
- Practical development of procurement spend dashboards.

Module 4: Fraud Detection, Risk Analytics and Financial Controls

- AI-powered detection of duplicate and suspicious invoices.
- Machine learning for payment anomaly identification.
- Supplier fraud detection and vendor verification.
- Continuous auditing and automated financial controls.
- Global case study: HSBC's application of advanced analytics in financial crime detection.
- Practical development of AI-based accounts payable risk indicators.

Module 5: Predictive Procurement and Supplier Performance Analytics

- Predictive modelling for supplier reliability and performance.
- AI-driven supplier risk assessment and segmentation.
- Procurement demand forecasting and inventory optimisation.
- Supplier delivery, quality and cost-performance analytics.
- Global case study: Amazon's predictive analytics in supply chain management.
- Practical development of supplier performance scorecards.

Module 6: Payment Reconciliation and Working Capital Optimisation

- Automated payment matching and reconciliation techniques.
- AI-powered cash flow forecasting and payment scheduling.
- Early payment discounts and payment-term optimisation.
- Accounts payable ageing and liquidity analytics.

- Global case study: IBM's enterprise finance automation initiatives.
- Practical analysis of payment cycles and working capital performance.

Module 7: AI Tools, ERP Integration and Business Intelligence

- Integration of AI solutions with SAP, Oracle and Microsoft Dynamics 365.
- Power BI dashboards for procurement and accounts payable.
- Predictive reporting and automated financial insights.
- Natural language processing for purchase contracts and supplier documents.
- Global case study: Microsoft's application of cloud-based analytics and enterprise automation.
- Practical development of integrated procurement analytics dashboards.

Module 8: AI Governance, Implementation and Future Trends

- Responsible AI adoption in finance and procurement.
- Data privacy, cybersecurity and regulatory compliance.
- AI implementation strategies and change management.
- Measuring automation return on investment and operational performance.
- Global case study: DBS Bank's enterprise-wide AI and digital transformation initiatives.
- Developing an organisational roadmap for AI-driven procurement and accounts payable.

Training Methodology

- Interactive presentations and expert-led discussions.
- Practical demonstrations of AI-powered finance and procurement tools.
- Group exercises involving invoice processing and spend analytics.
- International case studies and organisational benchmarking.
- Hands-on development of procurement dashboards and predictive models.
- Scenario-based learning, group assignments and knowledge assessments.
- Practical demonstrations using ERP and business intelligence platforms.

Register as a group from 3 participants for a Discount

Send us an email: info@datastatresearch.org or call +254724527104

Certification

Upon successful completion of this training, participants will be issued with a globally- recognized certificate.

Tailor-Made Course

We also offer tailor-made courses based on your needs.

Key Notes

a. The participant must be conversant with English.

b. Upon completion of training the participant will be issued with an Authorized Training Certificate

c. Course duration is flexible and the contents can be modified to fit any number of days.

d. The course fee includes facilitation training materials, 2 coffee breaks, buffet lunch and A Certificate upon successful completion of Training.

e. One-year post-training support Consultation and Coaching provided after the course.

f. Payment should be done at least a week before commence of the training, to DATASTAT CONSULTANCY LTD account, as indicated in the invoice so as to enable us prepare better for you.

Certification & Learning Methodology

- Hands-on practical delivery with real-world datasets, case studies, and lab exercises.
- Post-training mentorship, access to class resources, and customized follow-up support.
- Participants who successfully complete the course receive an accredited Datastat Certificate of Completion.

How to Enroll & Reserve Your Seat

1. Online Registration: Visit https://datastatresearch.org/courses/ai-driven-accounts-payable-and-procurement-analytics-training-course to register online.
2. Email Booking: Send participant details to training@datastatresearch.org for official invoice & reservation.
3. Support & Assistance: Inquire via phone +254 724 527 104 | +254 734 969 612.