AI For Supply Chain

Program Overview:
This 2-day hands-on training is designed for mid-level management, focusing on the practical application of AI and modern technologies in supply chain and logistics operations. The programme emphasizes improving traceability, enhancing security, optimizing distribution, and strengthening inventory management processes. Delivered in an experiential format with local and regional use cases, participants will explore how AI and digital tools can transform manual operations into efficient, automated systems.

Target Learners:
Mid-Level Management in Distribution, Inventory Management, and Fleet Management

Program Focus:
AI and technology to improve:

- Traceability
- Security
- Distribution gaps
- Inventory management
- Stock tally

Delivery Mode:
In-person (Face-to-Face) / Online

Objectives:

- Understand the role of technology and AI as business enablers
- Improve operational efficiency and reduce losses through automation
- Gain hands-on experience with accessible and free AI tools
- Enhance forecasting, routing, and inventory management capabilities
- Identify suitable areas for AI implementation within operations
- Develop strategies to improve traceability and reduce manual processes
- Equip managers to lead digital transformation initiatives within their teams

Target Audience:
Mid-Level Management in:

- Distribution
- Inventory Management
- Fleet Management
- Supply Chain and Logistics Operations

Duration:
16 Hours
(8 Hours per Day – 2 Days)

Price:
Rs 50,000 per participant

Trainer:
Mr Vivegananda Thylammai Padayatchy (6 hours)
Deborah Bartlett (6 hours)
Sohaib El Abidi (4 hours)

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Programme

Modules	Duration
Module 1: Key Challenges Benefiting from Digitalization • Supply chain pain points • East Africa use cases • Global technology overview • AI tools: Gemini, Claude, Perplexity, Gamma • Prompt engineering basics	Total 16 hours
Module 2: Technologies Which Digitize Quickly and Safely • RFID, Barcodes, Computer Vision • Predictive AI (sales & inventory) • Generative AI & decision support • Warehousing systems • Free AI tools & Zapier • Practice datasets	
Module 3: Using AI and Tech for Inventory Management and Demand Forecasting • Data pattern analysis • Historical sales datasets • Use cases: • Seasonality & demand trends • Inventory forecasting • Stock replenishment • Transport & distribution • Custom scenarios	
Module 4: Digital Inventory Management & Automation • Limits of Excel tracking • AI in inventory systems • Barcodes vs RFID • Inventory workspace setup • SKU configuration • Reorder automation • Stock visibility tools	

Module 5: Warehouse Digitization & Computer Vision • Warehouse setup basics • Goods handling & traceability • Shipping & picking processes • Barcode & QR automation • Damage detection • Mobile-based automation • Real-world warehouse examples	
Module 6: Route Optimization & Logistics Planning • AI in route optimization • Manual vs AI routing • Distance & time comparison • RouteXL tool usage	
Module 7: Risk Management & Scenario Planning • Supply chain disruption scenarios • Risk identification • Mitigation strategies • Contingency planning • AI tools: Perplexity, Claude	
Module 8: AI Implementation Roadmap • Business case development • Quick wins vs long-term plans • Data security & responsible AI • Change management	