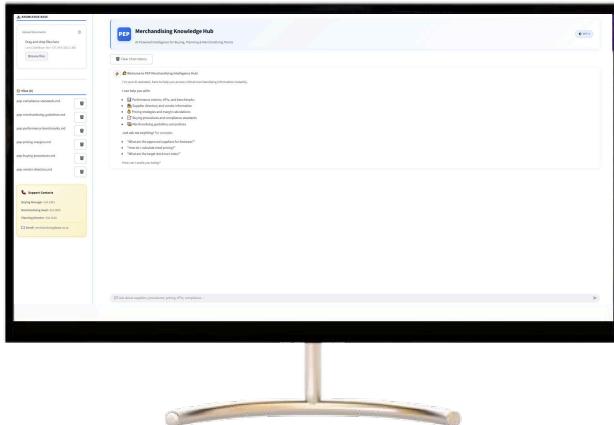


# PEP Merchandising Intelligence Hub (Prototype)

RAG-Powered Knowledge Base for Merchandising, Planning & Buying.  
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Example Use Case 1: Supplier Lead Times & Order Cycle Management

## Example Interaction

User: "What is the usual delivery time for ABC Garments on school shirts?"

### System:

- Shows delivery time (05-90 days)
- Lists payment terms
- Shares supplier performance notes from the directory

Merchandisers can plan purchases better and set realistic delivery expectations.

**The Problem:** Merchandising teams spend hours searching through static PDFs for compliance codes, supplier details, and pricing rules.

**The Solution:** An internal RAG (Retrieval-Augmented Generation) system that delivers instant, cited answers from PEP's operational documents.

## Key Capabilities:

- Markdown Strategy: Instant access to profit protection rules and approval hierarchies.
- Supply Chain: Immediate retrieval of vendor lead times and payment terms.
- Compliance: Automated checks for ethical sourcing standards and PO requirements

Example Use Case 2: Purchase Order (PO) Accuracy & Compliance

## Example Interaction

User: "Before approving a PO from a new supplier, what documents are required?"

### System:

- List the ethical compliance forms
- Provides quality assurance test results
- Shows vendor onboarding documents
- Includes risk assessment notes

Reduced PO rework and fewer compliance escalations.

Live Demo: [PEP Merchandising Hub - Streamlit](#)

A detailed screenshot of the PEP Merchandising Intelligence Hub. On the left, there's a sidebar with sections for "KNOWLEDGE BASE" (Upload Documents, Drag and drop files here, Files (6)), "Support Contacts" (Buying Manager, Merchandising Head, Planning Director), and "Ask about suppliers, procedures, pricing, KPIs, compliance...". The main area has a header "Merchandising Knowledge Hub" with a sub-header "AI-Powered Intelligence for Buying, Planning &amp; Merchandising Teams". It includes a "Clear Chat History" button and a GPT-4 icon. The central content area shows a conversation with an AI assistant. The AI welcome message is: "Welcome to PEP Merchandising Intelligence Hub! I'm your AI assistant, here to help you access critical merchandising information instantly." It lists capabilities: "I can help you with:" (Performance metrics, KPIs, benchmarks; Supplier directory and vendor information; Pricing strategies and margin calculations; Buying procedures and compliance standards; Merchandising guidelines and policies). It asks: "Just ask me anything! For example:" (What are the approved suppliers for footwear?, How do I calculate retail pricing?, What are the target stock turn rates?). It offers: "How can I assist you today?" (If Ladies Denim sells less than 40%, what discount is allowed and who approves it?). The AI provides a detailed response about markdown schedules and approval processes for promotional discounts. At the bottom, there's a red button with the placeholder text "Ask about suppliers, procedures, pricing, KPIs, compliance...".