AI in Supply Chain Management

Apply generative AI to demand forecasting, supplier negotiations and inventory decisions.

DURATION	FORMAT	LEVEL	LABS
16 hours	Onsite, online or hybrid	Intermediate	Cloud sandbox included

About this programme

A practical programme for supply chain teams that pairs prompt engineering with real SCM use cases such as demand forecasting, supplier communication and inventory optimisation, while keeping human oversight, data privacy and accuracy in view.

Who it is for: Supply chain, procurement, planning and logistics professionals

What your team will be able to do

- Explain how leading GenAI models work and where they fit in the supply chain
- Use AI to support demand forecasting and inventory decisions
- Draft supplier negotiation communications with AI assistance
- Write structured, role-based prompts and refine outputs iteratively
- Manage bias, hallucination, copyright and data privacy risks

Before you start

- No programming needed
- Working knowledge of planning, procurement or logistics processes

Course outline

1. Generative AI and prompt engineering basics

- Generative AI: basics and evolution
- Key models: ChatGPT, Gemini, Claude and others
- Why prompt engineering matters
- Hands-on: experimenting with AI-generated text

2. AI across the supply chain

- Demand forecasting from demand patterns, history and market trends
- Inventory optimisation: stock levels and reorder points
- Supplier negotiations: drafting persuasive communications
- Competitor and market-trend analysis
- Hands-on: building effective prompts for SCM tasks

3. Advanced prompt engineering

- Writing clear, specific and structured prompts
- Using roles and context for better outputs
- Iterative prompting to refine responses step by step
- Prompt refinement workshop

4. Ethics, risk and the future

- Bias, hallucinations and misinformation
- Copyright and data privacy considerations
- Ensuring human oversight of AI-generated content
- The future of AI in supply chain management
- Discussion: real-world SCM challenges and next steps

Sample schedule

2 days onsite, or 4 half-day sessions online. We fit days and session lengths to your team's calendar.

Day 1	8 h	Generative AI and prompt engineering basics; AI across the supply chain
Day 2	8 h	Advanced prompt engineering; Ethics, risk and the future

Assessment and certification

How learning is checked

- A short knowledge check on day one and again at the end, so you can see each person's progress
- Graded hands-on labs in every module, reviewed by the trainer
- A final exercise that applies the programme to a problem like your team's own

Certificate and exams

- Participants who complete the programme receive a Cognitive Networks AI certificate of completion.

Formats and cohort size

- Onsite: At your office or a venue you choose, in full days.
- Online, live: Instructor-led over video, usually in half-day sessions so people can keep up with work.
- Hybrid: Some days in a room together, the rest online. Useful when a team works across cities.

Cohort size: 15 to 25 people per trainer. Larger teams run as parallel cohorts on the same outline, so everyone learns the same thing.

Pricing: We quote per cohort, based on duration, format and number of cohorts. There is no per-seat price list: tell us your team and we send a proposal within one business day.

Bring this programme to your team

Request a proposal at cognitivenetworks.ai/contact?programme=ai-supply-chain

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