Strategic E-Procurement and Digital Supply Chain Training Course



26 - 30 Oct 2026

Boston

7500 € (Per Person)

Ref: #PSC6198_134176

Course Introduction / Overview:

The global business landscape is undergoing a profound digital transformation, and nowhere is this more critical than in procurement and supply chain management. This training course provides a comprehensive exploration of how to leverage technology to create agile, resilient, and cost-effective supply chains. We move beyond theoretical concepts to offer a practical roadmap for implementing strategic e-procurement and digital supply chain systems. As detailed by renowned academic Arjan van Weele in his seminal work "Purchasing and Supply Chain Management," the integration of technology is no longer optional but a fundamental driver of competitive advantage. This program, offered by BIG BEN Training Center, is meticulously designed to equip professionals with the skills to navigate this complex transition. Participants will learn to automate the procure-to-pay cycle, enhance supply chain visibility through real-time data, and utilize analytics for strategic sourcing and supplier relationship management. The curriculum covers everything from foundational principles to advanced technologies like AI and blockchain, ensuring a holistic understanding of modern procurement and supply chain operations from A to Z.

Target Audience / This training course is suitable for:

- Procurement Managers and Specialists.
- Supply Chain and Logistics Professionals.
- Sourcing and Category Managers.
- Contract Administrators and Managers.
- Operations Managers.
- IT Professionals supporting procurement and supply chain functions.
- Finance and Accounts Payable Professionals.
- Project Managers overseeing digital transformation initiatives.

Target Sectors and Industries:

- Manufacturing and Industrial Production.
- Retail and Consumer Goods.
- Healthcare and Pharmaceuticals.
- Logistics and Transportation Services.
- Technology and Telecommunications.
- Construction and Engineering.
- Energy, Oil, and Gas.
- Public Sector, Government Agencies, and Non-Profit Organizations.

Target Organizations Departments:

- Procurement and Purchasing Department.
- Supply Chain Management Department.
- Logistics and Distribution.
- Operations Management.
- Finance and Accounts Payable.
- Information Technology (IT).
- Contract Management and Legal.
- Strategic Planning and Business Development.

Course Offerings:

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

- Develop a robust digital procurement and supply chain strategy.
- Evaluate and select the most suitable e-procurement technologies and software.
- Automate and optimize the entire procure-to-pay (P2P) process.
- Enhance supply chain visibility and traceability using digital tools.
- Apply data analytics for improved spend analysis and strategic sourcing.
- Implement effective digital supplier relationship management (SRM) systems.
- Manage contracts digitally through contract lifecycle management (CLM) platforms.
- Mitigate cybersecurity and operational risks within a digital supply chain.
- Integrate emerging technologies like AI and IoT into supply chain operations.
- Lead change management initiatives for successful digital transformation.

Course Methodology:

The training methodology at BIG BEN Training Center is centered on experiential learning and practical application to ensure participants can immediately apply their new skills. This course moves beyond traditional lectures by immersing attendees in an interactive and collaborative environment. We utilize a blend of expert-led presentations, real-world case studies of successful digital supply chain implementations, and group-based problem-solving workshops. Participants will engage in hands-on exercises, including simulating the selection of an e-procurement system and analyzing sample procurement data to identify cost-saving opportunities. Interactive sessions, facilitated discussions, and peer-to-peer knowledge sharing are integral components of each module. Our approach emphasizes continuous feedback, allowing participants to refine their understanding and build confidence. The goal is to bridge the gap between theory and practice, equipping professionals with not just the knowledge but also the practical tools and strategic mindset required to lead digital procurement initiatives within their organizations.

Course Agenda (Course Units):

Unit One: Foundations of Digital Procurement and Supply Chain

- The evolution from traditional to digital procurement.
- Core concepts: e-sourcing, e-procurement, and e-payment.
- Understanding the end-to-end digital supply chain ecosystem.
- The strategic business case for digital transformation.
- Key performance indicators (KPIs) for digital procurement.
- Mapping the procure-to-pay (P2P) and source-to-pay (S2P) cycles.
- Identifying key stakeholders and building internal alignment.

Unit Two: Strategic E-Sourcing and Supplier Management

- Digital tools for market analysis and supplier discovery.
- Conducting e-RFIs, e-RFPs, and e-RFQs effectively.
- The role of reverse auctions and dynamic bidding.
- Implementing a digital supplier onboarding and qualification process.
- Utilizing Supplier Relationship Management (SRM) platforms.
- Digital supplier performance monitoring and scorecards.
- Collaborative strategies for digital supplier innovation.

Unit Three: E-Procurement Systems and Process Automation

- Core functionalities of modern e-procurement platforms.
- Automating the requisition-to-order process.
- Implementing e-invoicing and automated payment systems.
- Integrating procurement systems with ERP and financial software.
- Managing digital catalogs and punch-out systems.
- Workflow automation for approvals and compliance checks.
- Best practices for system selection and implementation.

Unit Four: Advanced Technologies in the Digital Supply Chain

- Introduction to Artificial Intelligence (AI) and Machine Learning in procurement.
- Leveraging the Internet of Things (IoT) for asset tracking and inventory management.
- The role of blockchain for enhanced transparency and traceability.
- Utilizing Big Data and predictive analytics for demand forecasting.
- Robotic Process Automation (RPA) for transactional tasks.
- Control towers for end-to-end supply chain visibility.
- The impact of 3D printing on supply chain logistics.

Unit Five: Implementation, Risk Management, and Future Trends

- Developing a phased implementation strategy for digital systems.
- Change management and user adoption techniques.
- Managing cybersecurity risks in a connected supply chain.
- Ensuring data privacy and regulatory compliance.
- Promoting sustainability through digital procurement practices.
- The future of cognitive procurement and autonomous supply chains.
- Developing a personal action plan for continuous improvement.

FAQ:

Qualifications required for registering to this course?

There are no requirements.

How long is each daily session, and what is the total number of training hours for the course?

This training course spans five days, with daily sessions ranging between 4 to 5 hours, including breaks and interactive activities, bringing the total duration to 20 - 25 training hours.

Something to think about:

As digital supply chains generate vast amounts of data, how can organizations balance the drive for efficiency and cost reduction with the ethical responsibilities of data privacy and security?

What unique qualities does this course offer compared to other courses?

This course distinguishes itself by offering a holistic and strategic perspective that bridges the critical gap between high-level procurement theory and the technical realities of digital implementation. While many programs focus narrowly on specific software or technologies, our curriculum provides a comprehensive framework for developing, executing, and managing a complete digital supply chain strategy. We emphasize the integration of people, processes, and technology, recognizing that successful transformation is not just about adopting new tools but about fostering a new organizational mindset. A key differentiator is our significant focus on advanced and emerging topics, including the practical applications of AI in spend analysis, blockchain in ensuring traceability, and IoT in logistics management. Furthermore, the course dedicates substantial time to the often-overlooked aspects of change management and cybersecurity risk mitigation, preparing participants for the real-world challenges of digital adoption. The content is designed to be forward-looking, equipping professionals not only for today's challenges but also for the future of cognitive and autonomous procurement.